



DISTRICT 186
SPRINGFIELD PUBLIC SCHOOLS

OUR SCHOOLS OUR FUTURE

VOLUME 4:
IMPLEMENTING
(TRANSFER PACKAGES)

EXECUTIVE SUMMARY

SPRINGFIELD PUBLIC SCHOOLS DISTRICT 186

It can be said that a good master plan is like playing jazz. It requires coordination, impeccable timing, harmony, and a whole band of players working in unison. There's a recognizable format and rhythm that follows throughout the process, yet improvisation creates an elasticity to the structure that allows specific areas to shine when appropriate. Balanced dynamics ensure a mix of tones that represent and focused on the overall vision. When it comes together, it is beautiful. **So, can a master plan truly be music to your ears? For Springfield Public School District 186, it was.**

OVERCOMING THE ODDS

Master plans are an understood part of leading a future-focused organization. However, it's also understood that a majority of master plans will never be implemented and even fewer fully realized. With nearly 100 years of architectural planning experience, BLDD Architects has been a part of hundreds of master plans for schools, hospitals, colleges, and organizations; but unfortunately, only a few dozen of those were fully implemented. While that statistic is above the industry norm and on par with the best in the business, it should not be the goal.

Master plans that aren't realized are a burden to the communities they serve. They steal resources, energy, and morale from the entities they are intended to serve and support. Unfortunately, the more complex and deserving a planning goal is, the greater the likelihood it will remain unrealized. Therefore when such a plan is realized, it is important and useful to understand the components and efforts that allowed it to come to fruition.

The Springfield Public School District 186 in Springfield, Illinois, is the rare story of overcoming the odds and delivering a bold, comprehensive, and long-term vision-based plan to completion. In hindsight, the plan had many components of a good master plan but some subtle and unique ingredients that allowed their vision to remain intact to realization.

This summary and the five accompanying volumes document District 186's journey and are a guide for other organizations seeking to replicate significant outcomes.

IMPLEMENTATION AND REALIZATION

The phases of any well-structured master plan generally include visioning, planning, and funding. Additional phases are rarely documented or even acknowledged, but it is in the lack of the final two planning stages where otherwise successful master plans generally fail to materialize: implementation and realization.

Each of these phases has to react based on the previous phases and inform the next actions, while maintaining a fluid timeline. This elasticity is the primary reason the Springfield process succeeded despite typical and unique obstacles.

THE SPRINGFIELD SUCCESS STORY

The Springfield process began with an RFQ for planning in 2016. Since that time, the world, economy and politics have been anything but predictable. But thanks to jazz-like elastic master planning with data-driven metrics, the plan avoided being shelved before it began.

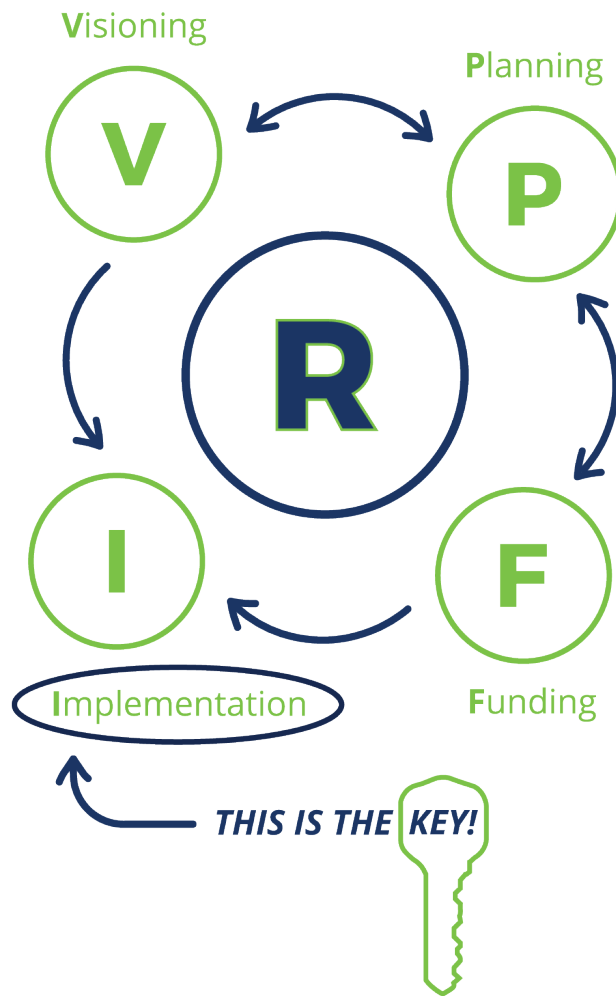
Most plans follow a similar linear approach to phasing: Where do you want to go, how do you get there, how do you fund it, where do you want to start? The output from a typical master



plan is a list of items to follow in order. However, Springfield implemented an underlying data mesh that tied all the phases and decision-making together into a dynamic plan and allowed multiple phases to inform each other. This approach created **bold yet attainable outcomes for each phase that could be filtered, sorted, prioritized and adjusted based on external factors that influence decision making.**

The key plan components were articulated and adjusted as the data emerged. Visioning helped inform the answers to the big questions and defined the scope of the effort, while funding set the schedule. Planning sought complete destinations but also delineated how a prioritized vision could be the first phase. Most importantly, the implementation was explicit in setting limits and expectations for the final product to align with the overall vision, not just any component of the plan. These drivers created a very different organizational approach to master plans – enabling bold visions yet focused on realization not plans.

By centering on realization, Springfield’s phases were free to adjust and improvise based on the moment within a collaborative structure instead of a rigid, linear path. **The result? A master plan that could be implemented in a harmonious way, while hitting all the right notes to fulfill a bold vision for Springfield Public School District 186.**



10-YEAR CASCADING PLAN

One of the most powerful tools in implementing a multi-phase master plan was the 10-year cascading plan. A cascading plan is a visual representation of all the capital work that needs completed over a period of time — in this instance 10 years — grouped by priority, timing and funding. It illustrates the goals and allows the district to quickly see the effect the work will have on the dollars available and the community it impacts. As new data emerged, the plan could be adjusted to reflect and react to the new information.

This powerful resource allowed the Springfield team to categorize and view their goals in a strategic way, all while accessing dynamic data that was tied to multiple levels of decision-making and phasing. The elasticity of the plan helped the team to adjust and react when obstacles and challenges arose, making implementation more attainable.

Package	Draft Master Plan	Phase 1 Year	Duration	Phase 1 Cost	Total Escalated Cost	2020
Package 1	Security Cameras	1	1	996,653	1,026,552	1,026,552
Package 2	Secure Entry Modifications	1	1	257,544	265,270	265,270
Package 3	Early HLS Implementation	1	1	3,303,734	3,402,846	3,402,846
Package 4	HVAC Controllers Project	1	1	921,451	949,095	949,095
Package 5	Butler Elementary School	1	2	4,064,417	4,261,704	1,674,540
	Dubois Elementary School	1	2	3,035,895	3,183,257	1,250,789
	Harvard Park Elementary School	1	2	1,712,236	1,795,348	705,441
Package 6	Black Hawk Elementary School	1	2	2,860,348	2,999,189	1,178,463
	Fairview Elementary School	1	2	2,717,179	2,849,071	1,119,478
	Sandburg Elementary School	1	2	3,661,913	3,839,662	1,508,708
Package 7	Washington Middle School	1	2	6,555,593	6,873,801	2,700,904
	Jefferson Middle School	1	2	3,279,100	3,438,268	1,350,989
Package 8	Franklin Middle School	1	2	4,630,143	4,854,890	1,907,619
	Grant Middle School	1	2	5,302,517	5,559,901	2,184,637
Package 9	Lanphier High School	2	3	40,363,626	44,573,395	-
	Lanphier Field House (1)	5	2	12,130,601	14,315,820	-
Package 10	New K-5	2	2	22,071,242	23,836,858	-
Package 11	New Owen Marsh	3	2	17,928,682	19,943,796	-
Package 12	Springfield Southeast HS	2	2	5,817,563	6,282,946	-
	Springfield High School - Early HLS	2	2	1,439,243	1,554,377	-
Package 14	Springfield HS Field House (2)	5	2	12,130,601	14,315,820	-
	Springfield High School	7	3	36,882,796	47,216,686	-
Package 15	SSHS Field House (3)	5	2	17,972,541	21,210,133	-
Package 16	Wanless School	7	1	1,044,991	1,285,207	-
	Lincoln Magnet School	7	1	1,100,476	1,353,446	-
Package 17	Later HLS	8	1	687,726	871,190	-
Package 18	Paving/Playgrounds	4	1	1,976,542	2,224,616	-
Package 19	HLS at Southern View	4	1	270,421	304,361	-
Total						21,225,332
Cumulative Total						Year 21,225,332

2021	2022	2023	2024	2025	2026	2027	2028	2029
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
2,587,164	-	-	-	-	-	-	-	-
1,932,469	-	-	-	-	-	-	-	-
1,089,907	-	-	-	-	-	-	-	-
1,820,726	-	-	-	-	-	-	-	-
1,729,593	-	-	-	-	-	-	-	-
2,330,954	-	-	-	-	-	-	-	-
4,172,897	-	-	-	-	-	-	-	-
2,087,278	-	-	-	-	-	-	-	-
2,947,271	-	-	-	-	-	-	-	-
3,375,264	-	-	-	-	-	-	-	-
4,282,177	19,847,891	20,443,328	-	-	-	-	-	-
-	-	-	5,625,077	8,690,743	-	-	-	-
9,366,152	14,470,705	-	-	-	-	-	-	-
-	7,836,462	12,107,334	-	-	-	-	-	-
2,468,741	3,814,205	-	-	-	-	-	-	-
610,757	943,620	-	-	-	-	-	-	-
-	-	-	5,625,077	8,690,743	-	-	-	-
-	-	-	-	-	4,536,119	21,024,910	21,655,657	-
-	-	-	8,334,040	12,876,092	-	-	-	-
-	-	-	-	-	1,285,207	-	-	-
-	-	-	-	-	1,353,446	-	-	-
-	-	-	-	-	-	871,190	-	-
-	-	2,224,616	-	-	-	-	-	-
-	-	304,361	-	-	-	-	-	-
40,801,351	46,912,883	35,079,639	19,584,194	30,257,579	7,174,772	21,896,100	21,655,657	-
62,026,683	108,939,566	144,019,205	163,603,398	193,860,977	201,035,749	222,931,849	244,587,507	244,587,507
2	3	4	5	6	7	8	9	10



TRANSFER PACKAGE #1

SECURITY CAMERAS

- Addams Elementary
- Black Hawk Elementary
- Butler Elementary
- Dubois Elementary
- Early Learning Center
- Enos Elementary
- Fairview Elementary
- Feitshans Elementary
- Graham Elementary
- Harvard Park Elementary
- Iles Elementary
- Lawrence Education Center
- Lee Elementary
- Lindsay School
- McClernand Elementary
- Ridgely Elementary
- Sandburg Elementary
- Southern View Elementary
- Springfield Ball Charter School
- Wilcox Elementary

PROJECT MANAGEMENT TEAM

BLDD Architects
IDG Architects
O'Shea Builders
CJP Architects
Vasconcelles Engineering
Hanson Engineering

CONTENTS

Security Cameras

Project Summary.....	1-3
Project Budget.....	1-5
Project Schedule.....	1-6



ADDAMS ELEMENTARY SCHOOL



BLACK HAWK ELEMENTARY SCHOOL



BUTLER ELEMENTARY SCHOOL



DUBOIS ELEMENTARY SCHOOL



EARLY EDUCATION CENTER



ENOS ELEMENTARY SCHOOL



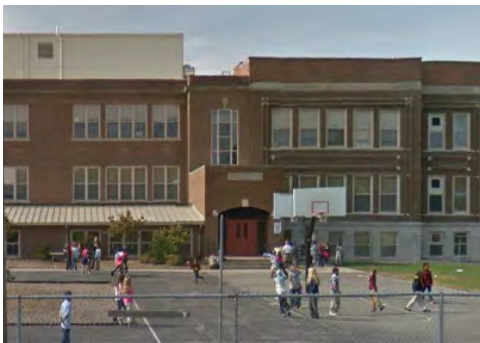
FAIRVIEW ELEMENTARY SCHOOL



FEITSHANS ELEMENTARY SCHOOL



GRAHAM ELEMENTARY SCHOOL



HARVARD PARK ELEMENTARY SCHOOL



ILES ELEMENTARY SCHOOL



LAWRENCE EDUCATION CENTER



LEE ELEMENTARY SCHOOL



LINDSAY SCHOOL



McCLERNAND ELEMENTARY SCHOOL



RIDGELY ELEMENTARY SCHOOL



SANDBURG ELEMENTARY SCHOOL



SOUTHERN VIEW ELEMENTARY SCHOOL



SPRINGFIELD BALL CHARTER SCHOOL



WILCOX ELEMENTARY SCHOOL

PROJECT SUMMARY 1

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

SECURITY CAMERAS

The Design Team is to coordinate the work of this package with Darrell Schaver, Director of Operations and Maintenance.

Addams Elementary School

Grades: K-5 Enrollment: 251 No. of strands: 2-3
Address: 10 Babiak Lane Springfield, IL 62702
Year of original construction: 1960 Building additions: 1962, 1989

Black Hawk Elementary School

Grades: K-5 Enrollment: 249 No. of strands: 2
Address: 2500 S. College St. Springfield, IL 62704
Year of original construction: 1956 Building addition: 1967

Butler Elementary School

Grades: K-5 Enrollment: 365 No. of strands: 2-3
Address: 1701 S. Macarthur Blvd. Springfield, IL 62704
Year of original construction: 1916 Building additions: 1932, 1936

Dubois Elementary School

Grades: K-5 Enrollment: 420 No. of strands: 3-4
Address: 120 S. Lincoln Ave. Springfield, IL 62701
Year of original construction: 1897 Building addition: 1916

Early Education Center

Grades: PK Enrollment: 650
Address: 2501 S. 1st St. Springfield, IL 62704
Year of original construction: 2005 Building additions: N/A

Enos Elementary School

Grades: K-5 Enrollment: 263 No. of strands: 2
Address: 524 W. Elliott Ave Springfield, IL 62702
Year of original construction: Building additions: N/A

Fairview Elementary School

Grades: K-5 Enrollment: 264 No. of strands: 2
Address: 2200 E. Ridgely Ave. Springfield, IL 62702
Year of original construction: 1952 Building additions: 1955, 1959

Feitshans Elementary School

Grades: K-5 Enrollment: 357 No. of strands: 3-4
Address: 1101 S. 15th St. Springfield, IL 62703
Year of original construction: 1922 Building addition: 1936, 1937

Graham Elementary School

Grades: K-5 Enrollment: 236 No. of strands: 2
Address: 900 W. Edwards St. Springfield, IL 62704
Year of original construction: 1946 Building addition: 1960, 1970

Harvard Park Elementary School

Grades: K-5 Enrollment: 346 No. of strands: 3-4
Address: 2501 S. 11th St. Springfield, IL 62703
Year of original construction: 1912 Building additions: 1927, 1938, 1947, 1989

PROJECT SUMMARY 1

Iles Elementary School

Grades: 1–8 Enrollment: 237
Address: 1700 S. 15th St. Springfield, IL 62703
Year of original construction: 1905 Building additions: 1922, 1993

Lawrence Education Center

Grades: 9–12 Enrollment:
Address: 101 E. Laurel St. Springfield, IL 62704
Year of original construction: 1904 Building additions: N/A

Lee Elementary School

Grades: K–5 Enrollment: 237 No. of strands: 2
Address: 1201 Bunn Ave. Springfield, IL 62703
Year of original construction: 1978 Building additions: N/A

Lindsay School

Grades: K–5 Enrollment: 455 No. of strands: 3–4
Address: 2500 Fielding Dr. Springfield, IL 62711
Year of original construction: 2005 Building additions: N/A

McClelland Elementary School

Grades: K–5 Enrollment: 224 No. of strands: 2
Address: 801 N. 6th St. Springfield, IL 62702
Year of original construction: 1936 Building additions: 1962, 1986

Ridgely Elementary School

Grades: K–5 Enrollment: 323 No. of strands: 2–3
Address: 2040 N. 8th St. Springfield, IL 62702
Year of original construction: 1917 Building additions: 2005

Sandburg Elementary School

Grades: K–5 Enrollment: 285 No. of strands: 2
Address: 2051 Wabash Ave Springfield, IL 62704
Year of original construction: 1961 Building addition: 1965

Southern View Elementary School

Grades: K–5 Enrollment: 99 No. of strands: 2
Address: 3338 S. 5th St. Springfield, IL 62703
Year of original construction: 1932 Building additions: 1951, 1953

Springfield Ball Charter School

Grades: K–8 Enrollment: 397
Address: 2530 E. Ash St. Springfield, IL 62703
Year of original construction: Building additions: N/A

Wilcox Elementary School

Grades: K–8 Enrollment: 257 No. of strands: 2
Address: 2000 Hastings Rd Springfield, IL 62702
Year of original construction: 1966 Building addition: 1968, 1991

Construction Delivery Method: This project is to be constructed via Design-Bid-Build.

PROJECT BUDGET 1

Transfer Package #1 - Security Cameras Springfield School District 186

December 16, 2019

CONSTRUCTION BUDGET		\$948,659
BUILDING		
		\$835,400
Addams Elementary		\$35,000
Black Hawk Elementary		\$35,000
Butler Elementary		\$50,400
Dubois Elementary		\$60,000
Early Learning Center		\$35,000
Enos Elementary		\$45,000
Fairview Elementary		\$35,000
Feitshans Elementary		\$15,000
Graham Elementary		\$75,000
Harvard Park Elementary		\$20,000
Iles Elementary		\$50,000
Lawrence Education Center		\$50,000
Lee Elementary		\$60,000
Lindsay School		\$50,000
McClelland Elementary		\$20,000
Ridgely Elementary		\$50,000
Sandburg Elementary		\$30,000
Southern View Elementary		\$50,000
Springfield Ball Charter School		\$60,000
Wilcox Elementary		\$10,000
CONTINGENCY		\$113,259
Design Contingency	5%	\$41,770
Bid Contingency	5%	\$43,859
Construction Contingency	3%	\$27,631
SOFT COSTS		\$94,083
SITE ACQUISITION AND EVALUATION		\$0
Land Purchase		
Topographical Survey		
Geotechnical Survey		
FEES AND SERVICES		\$94,083
Architect/ Engineering Design Fees	10.00%	\$89,340
Interior Design Fees		
Food Service Consultant		
Theater, Lighting & Rigging Design Consultant		
Acoustical/Audio/Video Design Consultant		
Technology Design Services		
Reimbursable Expenses		\$4,743
OTHER COSTS		\$0
Technology, Telecom, Security		
Furnishings, Fixtures, Equipment		

PROJECT BUDGET

\$1,042,742



DISTRICT 186
SPRINGFIELD PUBLIC SCHOOLS

TRANSFER PACKAGE #2

SECURE ENTRY MODIFICATIONS

- Addams Elementary
- Lee Elementary
- McClernand Elementary
- Ridgely Elementary

**OUR SCHOOLS
OUR FUTURE**

FACILITIES MASTER PLAN, PHASE 1 2020

PROJECT MANAGEMENT TEAM

BLDD Architects

IDG Architects

O'Shea Builders

CJP Architects

Vasconcelles Engineering

Hanson Engineering

CONTENTS

Secure Entry Modifications

Project Summary.....	2-2
Project Budget.....	2-3
Project Schedule.....	2-4



ADDAMS ELEMENTARY SCHOOL



LEE ELEMENTARY SCHOOL



McCLERNAND ELEMENTARY SCHOOL



RIDGELY ELEMENTARY SCHOOL

PROJECT SUMMARY 2

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

SECURE ENTRY MODIFICATIONS

The Design Team is to coordinate the work of this package with Darrell Schaver, Director of Operations and Maintenance.

Addams Elementary School

Grades: K-5 Enrollment: 251 No. of strands: 2-3
Address: 10 Babiak Lane Springfield, IL 62702
Year of original construction: 1960
Building additions: 1962, 1989

Lee Elementary School

Grades: K-5 Enrollment: 237 No. of strands: 2
Address: 1201 Bunn Ave. Springfield, IL 62703
Year of original construction: 1978
Building additions: N/A

McClelland Elementary School

Grades: K-5 Enrollment: 224 No. of strands: 2
Address: 801 N. 6th St. Springfield, IL 62702
Year of original construction: 1936
Building additions: 1962, 1986

Ridgely Elementary School

Grades: K-5 Enrollment: 323 No. of strands: 2-3
Address: 2040 N. 8th St. Springfield, IL 62702
Year of original construction: 1917
Building additions: 2005

Construction Delivery Method

- This project is to be constructed via Design-Bid-Build.

PROJECT BUDGET 2

Transfer Package #2 - Secure Entry Modifications Springfield School District 186

December 18, 2019

CONSTRUCTION BUDGET		\$227,115
BUILDING		
		\$200,000
Addams Elementary		\$50,000
Lee Elementary		\$50,000
McClelland Elementary		\$50,000
Ridgely Elementary		\$50,000
CONTINGENCY		
		\$27,115
Design Contingency	5%	\$10,000
Bid Contingency	5%	\$10,500
Construction Contingency	3%	\$6,615
SOFT COSTS		
		\$27,885
SITE ACQUISITION AND EVALUATION		
		\$0
Land Purchase		
Topographical Survey		
Geotechnical Survey		
FEES AND SERVICES		
		\$27,885
Architect/ Engineering Design Fees	12.5%	\$26,750
Interior Design Fees		
Food Service Consultant		
Theater, Lighting & Rigging Design Consultant		
Acoustical/Audio/Video Design Consultant		
Technology Design Services		
Reimbursable Expenses		\$1,136
OTHER COSTS		
		\$0
Technology, Telecom, Security		
Furnishings, Fixtures, Equipment		

PROJECT BUDGET

\$255,000



DISTRICT 186
SPRINGFIELD PUBLIC SCHOOLS

TRANSFER PACKAGE #3

EARLY HLS IMPLEMENTATION

- Addams Elementary
- Douglas School
- Early Learning Center
- Feitshans Elementary
- Graham Elementary
- Lawrence Education Center
- Lee Elementary
- Springfield Ball Charter School
- Springfield High School

**OUR SCHOOLS
OUR FUTURE**

FACILITIES MASTER PLAN, PHASE 1 2020

PROJECT MANAGEMENT TEAM

BLDD Architects

IDG Architects

O'Shea Builders

CJP Architects

Vasconcelles Engineering

Hanson Engineering

CONTENTS

Early HLS Modifications

Project Summary.....	3-2
Project Budget.....	3-3
Project Schedule.....	3-4



ADDAMS ELEMENTARY SCHOOL



DOUGLAS SCHOOL



EARLY EDUCATION CENTER



FEITSHANS ELEMENTARY SCHOOL



GRAHAM ELEMENTARY SCHOOL



LAWRENCE EDUCATION CENTER



LEE ELEMENTARY SCHOOL



SPRINGFIELD BALL CHARTER SCHOOL



SPRINGFIELD HIGH SCHOOL

PROJECT SUMMARY 3

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

EARLY HLS IMPLEMENTATION

The Design Team is to coordinate the work of this package with Darrell Schaver, Director of Operations and Maintenance.

Addams Elementary School - Roof Replacement

Grades: K-5 Enrollment: 251 No. of strands: 2-3
Address: 10 Babiak Lane Springfield, IL 62702
Year of original construction: 1960 Building additions: 1962, 1989

Douglas School - Roof Replacement

Grades: 6-12 Enrollment:
Address: 444 W. Reynolds St. Springfield, IL 62702
Year of original construction: 1916 Building addition: N/A

Early Education Center - Roof Replacement/Recover

Grades: PK Enrollment: 650
Address: 2501 S. 1st St. Springfield, IL 62704
Year of original construction: 2005 Building additions: N/A

Feitshans Elementary School - 10 Yr HLS Items, New Fire Alarm System

Grades: K-5 Enrollment: 357 No. of strands: 3-4
Address: 1101 S. 15th St. Springfield, IL 62703
Year of original construction: 1922 Building addition: 1936, 1937

Graham Elementary School - New Gym Floor and HVAC, Replace Aging Rooftop HVAC

Grades: K-5 Enrollment: 236 No. of strands: 2
Address: 900 W. Edwards St. Springfield, IL 62704
Year of original construction: 1946 Building addition: 1960, 1970

Lawrence Education Center - 10 Yr HLS Items, New Fire Alarm System

Grades: 9-12 Enrollment:
Address: 101 E. Laurel St. Springfield, IL 62704
Year of original construction: 1904 Building additions: N/A

Lee Elementary School - 10 Yr HLS Items

Grades: K-5 Enrollment: 237 No. of strands: 2
Address: 1201 Bunn Ave. Springfield, IL 62703
Year of original construction: 1978 Building additions: N/A

Springfield Ball Charter School - Roof Replacement (Webster)

Grades: K-8 Enrollment: 397
Address: 2530 E. Ash St. Springfield, IL 62703
Year of original construction: Building additions: N/A

Springfield High School - Roof Replacement (4th floor)

Grades: 9-12 Enrollment: 1477
Address: 101 S. Lewis St. Springfield, IL 62704
Year of original construction: 1917 Building additions: 1927, 1936, 1965, 1998

Construction Delivery Method: This project is to be constructed via Design-Bid-Build.

PROJECT BUDGET 3

Transfer Package #3 - Early HLS Implementation Springfield School District 186

December 17, 2019

CONSTRUCTION BUDGET		\$3,063,700
BUILDING		
		\$2,719,000
Douglas School - Roof Replacement		\$467,500
Early Learning Center - Roof Replacement		\$561,000
Feitshans Elementary - 10 yr H/LS Item		\$15,000
Feitshans Elementary - New Fire Alarm System		\$80,000
Graham Elementary - New Gym Floor		\$50,000
Graham Elementary - New Gym HVAC		\$350,000
Graham Elementary - Replace Aging Rooftop HVAC		\$150,000
Lawrence Elementary - 10 yr H/LS Item		\$175,500
Lawrence Elementary - New Fire Alarm System		\$110,000
Lee Elementary - 10 yr H/LS Item		\$17,500
Springfield Ball Charter School - Roof Replacement (Webster)		\$300,000
Springfield High (4th floor) Roof Replacement		\$96,000
Addams Roof Replacement		\$346,500
CONTINGENCY		\$344,700
Design Contingency	5%	\$113,825
Bid Contingency	5%	\$141,641
Construction Contingency	3%	\$89,234
SOFT COSTS		\$298,071
SITE ACQUISITION AND EVALUATION		\$0
Land Purchase		
Topographical Survey		
Geotechnical Survey		
FEES AND SERVICES		\$298,071
Architect/ Engineering Design Fees	9.80%	\$282,753
Interior Design Fees		
Food Service Consultant		
Theater, Lighting & Rigging Design Consultant		
Acoustical/Audio/Video Design Consultant		
Technology Design Services		
Reimbursable Expenses		\$15,319
OTHER COSTS		\$0
Technology, Telecom, Security		
Furnishings, Fixtures, Equipment		

PROJECT BUDGET

\$3,361,772



DISTRICT 186
SPRINGFIELD PUBLIC SCHOOLS

TRANSFER PACKAGE #4

HVAC CONTROLLERS & LINDSAY SCHOOL

- Butler Elementary
- Dubois Elementary
- Southern View Elementary
- Lindsay School

**OUR SCHOOLS
OUR FUTURE**

FACILITIES MASTER PLAN, PHASE 1 2020

PROJECT MANAGEMENT TEAM

BLDD Architects

IDG Architects

O'Shea Builders

CJP Architects

Vasconcelles Engineering

Hanson Engineering

CONTENTS

HVAC Controllers & Lindsay School

Project Summary.....	4-2
Project Budget.....	4-3
Project Schedule.....	4-4



BUTLER ELEMENTARY SCHOOL



DUBOIS ELEMENTARY SCHOOL



SOUTHERN VIEW ELEMENTARY SCHOOL



LINDSAY SCHOOL

PROJECT SUMMARY 4

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

HVAC CONTROLLERS & LINDSAY SCHOOL

The Design Team is to coordinate the work of this package with Darrell Schaver, Director of Operations and Maintenance.

Butler Elementary School - HVAC Controllers

Grades: K-5 Enrollment: 365 No. of strands: 2-3
Address: 1701 S. Macarthur Blvd. Springfield, IL 62704
Year of original construction: 1916 Building additions: 1932, 1936

Dubois Elementary School - HVAC Controllers

Grades: K-5 Enrollment: 420 No. of strands: 3-4
Address: 120 S. Lincoln Ave. Springfield, IL 62701
Year of original construction: 1897 Building addition: 1916

Southern View Elementary School - HVAC Controllers

Grades: K-5 Enrollment: 99 No. of strands: 2
Address: 3338 S. 5th St. Springfield, IL 62703
Year of original construction: 1932 Building additions: 1951, 1953

Lindsay School

- **Install Reheat Coils in AHUs**
- **Replace 2 AHU Heat Exchangers**
- **Replace HVAC Controllers**
- **Secure Entry Modification**

Grades: K-5 Enrollment: 455 No. of strands: 3-4
Address: 2500 Fielding Dr. Springfield, IL 62711
Year of original construction: 2005 Building additions: N/A

Construction Delivery Method: This project is to be constructed via Design-Bid-Build.

PROJECT BUDGET 4

Transfer Package #4 - HVAC Controllers and Lindsay School Springfield School District 186

December 2, 2019

CONSTRUCTION BUDGET		\$820,339
BUILDING		
		\$722,400
HVAC Controllers		
Butler Elementary School		\$50,400
Dubois Elementary		\$70,000
Southern View Elementary		\$30,000
Lindsay School		
Install Reheat Coils in AHUs		\$250,000
Replace 2 AHU Heat Exchangers		\$100,000
Replace HVAC Controllers		\$172,000
Secure Entry Modification		\$50,000
CONTINGENCY		\$97,939
Design Contingency	5%	\$36,120
Bid Contingency	5%	\$37,926
Construction Contingency	3%	\$23,893
SOFT COSTS		\$78,755
SITE ACQUISITION AND EVALUATION		
		\$0
Land Purchase		
Topographical Survey		
Geotechnical Survey		
FEES AND SERVICES		\$78,755
Architect/ Engineering Design Fees	10.00%	\$77,255
Interior Design Fees		
Food Service Consultant		
Theater, Lighting & Rigging Design Consultant		
Acoustical/Audio/Video Design Consultant		
Technology Design Services		
Reimbursable Expenses		1500
OTHER COSTS		\$0
Technology, Telecom, Security		
Furnishings, Fixtures, Equipment		
PROJECT BUDGET		\$899,095

PROJECT SCHEDULE 4

Springfield Public School District 186 - Project Management Team
 Master Summary Schedule
 December 2, 2019



	2019												2020												2021											
													IMMEDIATE				EARLY								INTERMEDIATE											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Package 4 - HVAC Controllers and Lindsay School Butler Elementary Dubois Elementary School Southern View Elementary Lindsay School												D	D	D	B																					
LEGEND	DESIGN												BID												CONSTRUCTION											



DISTRICT 186
SPRINGFIELD PUBLIC SCHOOLS

TRANSFER PACKAGE #5

5.1 BUTLER ELEMENTARY

5.2 DUBOIS ELEMENTARY

5.3 HARVARD PARK ELEMENTARY

**OUR SCHOOLS
OUR FUTURE**

FACILITIES MASTER PLAN, PHASE 1 2020

PROJECT MANAGEMENT TEAM

BLDD Architects

IDG Architects

O'Shea Builders

CJP Architects

Vasconcelles Engineering

Hanson Engineering

CONTENTS

5.1 Butler Elementary

Project Summary.....	5.1-2
Building Programs.....	5.1-3
Project Budget.....	5.1-5
Design Intent	
Design & Scope Diagrams.....	5.1-6
HPD/IDNR Plan.....	5.1-9
Project Schedule.....	5.1-12
Existing Conditions	
Floor Plans.....	5.1-13
Site Plans.....	5.1-16
Site Assessment.....	5.1-17

5.2 Dubois Elementary

Project Summary.....	5.2-2
Building Programs.....	5.2-3
Project Budget.....	5.2-5
Design Intent	
Design & Scope Diagrams.....	5.2-6
HPD/IDNR Plan.....	5.2-9
Project Schedule.....	5.2-12
Existing Conditions	
Floor Plans.....	5.2-13
Site Plans.....	5.2-17
Site Assessment.....	5.2-18

5.3 Harvard Park Elementary

Project Summary.....	5.3-2
Building Program.....	5.3-3
Project Budget.....	5.3-5
Design Intent	
Design & Scope Diagrams.....	5.3-6
HPD/IDNR Plan.....	5.3-9
Project Schedule.....	5.3-12
Existing Conditions	
Floor Plans.....	5.3-13
Site Plans.....	5.3-16
Site Assessment.....	5.3-17



BUTLER ELEMENTARY SCHOOL

PROJECT SUMMARY 5.1

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

BUTLER ELEMENTARY SCHOOL

Grades: K-5 Enrollment: 365 No. of strands: 2-3
Address: 1701 S. Macarthur Blvd. Springfield, IL 62704
Year of original construction: 1916
Building additions: 1932, 1936

Phase 1 Design Objectives

- Create an addition to accommodate programs currently housed in temporary structures
- Create a secure entry and building administration and reception areas allowing visitors to be greeted and controlled despite the level changes
- Provide new classroom and collaborative space for students and faculty
- Create student support spaces within the building
- Recapture administrative spaces within the building for education purposes
- Connect all levels with 1 elevator to make all areas accessible

Site

- Replace sidewalks to new entry
- Create a landscape buffer from the parking lot to the entry to allow safe drop-off and wayfinding

Building Construction

- Provide similar aesthetic to existing Butler building
- Match existing masonry construction with additions
- Match existing floor, paint, and ceiling finishes with products from the district standards
- Provide signage and wayfinding
- Extend flooring, paint patterns and schemes, ceilings, and other finishes with products matching or complementary products from the district standards

MEP

- Extend existing electrical service to a sub panel for distribution to additions
- Extend current HVAC systems and provide air conditioning to new areas via standalone systems
- Extend Fire Alarm, Fire Protection

Technology

- Extend existing security, data networks, Wi-Fi network, telecom, bell and paging systems

Construction Delivery Method

- This project is to be constructed via Design-Bid-Build

BUILDING PROGRAM (FULL) 5.1

Butler Elementary School	Sq Ft	QTY	Total Sq Ft	Number of Usable Existing Spaces Available	Number of Spaces Deficient	New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	New Spaces Required Phase 2	Phase 2 Area (sf) of New Space Required	COMMENTS
CORE EDUCATIONAL ENVIRONMENTS (CLASSROOMS)													
Classroom- Kindergarten Classroom	1050	3	3150	3									
Kindergarten Toilet (adjacent to classroom)	45	3	135	1	2						X	90	
Classroom- First Grade	900	3	2700	3									
First Grade Toilet (adjacent to classroom)	45	3	135	0	3						X	135	
Classroom- Second Grade	900	3	2700	2	1								Repurpose extra Core Classroom per diagram.
Classroom- Third Grade	900	2	1800	3	-1								
Classroom- Fourth Grade	900	2	1800	3	-1								
Classroom- Fifth Grade	900	2	1800	2									
Reading Classroom	500	2	1000	0	2	2	500			X			
Literacy Classroom	300	2	600	0	2	2	340			X			
ESL (English as a Second Language) Classroom	400	1	400	0	1	1	280			X			
FINE AND APPLIED ARTS/ PERFORMANCE SPACES													
Art Studio	1100	1	1100	0	1	1	925			X			
Art Storage	150	1	150	0	1						X	150	
Music Room	1000	1	1000	0	1	1	800			X			
Music Storage	200	1	200	0	1						X	200	
Auditorium with Stage (Small)	800	1	800	0	1						X	800	
MEDIA CENTER/ LIBRARY SERVICES/ DISTANCE LEARNING LABS													
Media Center/ Library	1400	1	1400	0	1						X	1400	
Media Center/ Library Storage	200	1	200	0	1						X	200	
Media Center/ Library Office	100	1	100	0	1						X	100	
Media Center/ Library Workroom	150	1	150	0	1						X	150	
Technology/IT Storage	200	1	200	0	1						X	200	
PHYSICAL EDUCATION/ ATHLETIC FACILITIES (INSIDE AND OUTSIDE, SUPPORT SPACES FOR COACHES/ TEAMS)													
PE Gymnasium (Regulation sized)	8400	1	8400	1									
Physical Education Storage- Indoor equipment	400	1	400	0	1						X	400	
Physical Education Office	120	1	120	0	1						X	120	
SPACES FOR STUDENTS WITH SPECIAL NEEDS (CLASSROOMS, SMALL LEARNING AREAS)													
Special Education- Large Classroom	500	3	1500	2	1								Repurpose extra Core Classroom per diagram.
Resource Room (Large)	300	3	900	1	2	2	512			X			
Speech Classroom	125	2	250	1	1						X	125	
Occupational and Physical Therapy Room	150	1	150	0	1			1	300	X			
Office- SSS (Student Support Services)	100	1	100	0	1			1	125	X			
Office- Children's MOSAIC Project (Community Social Work)	100	1	100	0	1						X	100	
Special Needs Single User Toilet (Changing)	125	1	125	1									
LEARNING LABS (SCIENCE, TECHNOLOGY, MAKER SPACE)													
Project Based Learning Lab	1000	1	1000	0	1						X	1000	
RECEPTION/ LOBBY/ WELCOMING SPACE													
Lobby/Welcoming area	150	1	150	0	1	1	75			X			To create controlled visitor entry vestibule.
Waiting Area	150	1	150	0	1	1	100			X			To create controlled visitor entrance.
Reception (General Office/Admin Assistant/Secretary)	350	1	350	0	1	1	145			X			
ADMINISTRATIVE SPACES (OFFICES, CONFERENCE)													
Office- Principal	175	1	175	1		1	145			X			
Conference/ Meeting Room	175	1	175	0	1						X	175	
Work Room- Administrative	200	1	200	0	1						X	200	
Storage- Secure File	100	1	100	0	1						X	100	
Storage- General Administrative	100	1	100	0	1						X	100	
Administrative Dedicated Single User Toilet (office area)	75	1	75	0	1						X	75	
Office- General (Admin / PA / Intern / Other)	100	1	100	0	1						X	100	
Office- Social Worker	125	1	125	0	1			1	165	X			
FACULTY SUPPORT/ WORK SPACES													
Faculty Work Room (Large)	500	1	500	0	1						X	500	
Faculty Lounge Room (Large)	350	1	350	0.5	1						X	175	
Faculty Dedicated Single User Toilet	75	2	150	1	1						X	75	
Storage (Books)	200	1	200	0	1						X	200	
Conference/Meeting Room	500	1	500	0	1						X	500	
HEALTH SERVICES													
Nurse Office	100	1	100	0	1	1	110			X			New office addition - existing office spaces repurposed.
Nurse (cot/bed space)	80	1	80	0	1								
Nurse Storage	8	1	8	0	1								
Nurse Dedicated Single User Toilet	75	1	75	0	1	1	50			X			
Health Services Space (vision/hearing)	10	1	10	0	1								
DINING AND FOOD SERVICE													
Multi-Purpose/Cafeteria Commons	2800	1	2800	0	1						X	2800	
Multi-Purpose/Cafeteria Commons Storage	200	1	200	0	1						X	200	
Food Service Kitchen	1500	1	1500	1									
Food Service Storage	350	1	350	1									
Receiving	50	1	50	0	1						X	50	
COMMUNITY SPACES													
Multi-Purpose/ Community Room (Small)	900	1	900	0	1						X	900	
Office- Parent Educator	100	1	100	0	1						X	100	
Project SCOPE- After-School Program Storage	200	2	400	0	2						X	400	
F.A.C.E Family and Community Engagement- Storage	200	1	200	0	1						X	200	
BUILDING SERVICES/ FACILITIES MANAGEMENT SPACES													
Custodians' Closets	25	2	50	2									
Maintenance Central Storage	300	1	300	1									
Maintenance/Custodians' Office	100	1	100	1									
Laundry Room	100	1	100	0	1						X	100	
OTHER													
Toilet- Men	350	2	700	2									
Toilet- Women	350	2	700	2									
Elevator + Machine Room	150	1	150	0	1	1	225			X			
District 186 Description of Work:													
			Subtotal				4,207		590	-		12,120	
			Total New Space at 54% Efficiency				7,787.00	0.63	940	-		22,434	
Roof - \$130,000													
Elevator, Ramp, Chairlift													
4 CR addition to replace modularity													

BUILDING PROGRAM (PHASE 1) 5.1

Butler Elementary School	Sq Ft	QTY	Total Sq Ft	New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	COMMENTS
Reading Classroom	500	2	1000	2	500			X	
Literacy Classroom	300	2	600	2	340			X	
ESL (English as a Second Language) Classroom	400	1	400	1	280			X	
Art Studio	1100	1	1100	1	925			X	
Music Room	1000	1	1000	1	800			X	
Resource Room (Large)	300	3	900	2	512			X	
Occupational and Physical Therapy Room	150	1	150			1	300	X	
Office- SSS (Student Support Services)	100	1	100			1	125	X	
Lobby/Welcoming area	150	1	150	1	75			X	To create controlled visitor entry vestibule.
Waiting Area	150	1	150	1	100			X	To create controlled visitor entrance.
Reception (General Office/Admin Assistant/Secretary)	350	1	350	1	145			X	
Office- Principal	175	1	175	1	145			X	
Office- Social Worker	125	1	125			1	165	X	
Nurse Office	100	1	100	1	110			X	New office addition - existing office spaces repurposed.
Nurse Dedicated Single User Toilet	75	1	75	1	50			X	
Elevator + Machine Room	150	1	150	1	225			X	
District 186 Description of Work:			Subtotal		4,207		590	-	
Roof - \$130,000 Elevator, Ramp, Chairlift 4 CR addition to replace modulars	Efficiency Factor	0.540	Total New Space at 54.4% Efficiency		7,787.00	0.63	940	-	

PROJECT BUDGET 5.1

Butler Elementary School Springfield School District 186

December 2, 2019

CONSTRUCTION BUDGET			\$3,105,689
BUILDING			\$2,734,905
Addition	7,787 sf	\$2,287,739.85	
Renovation	940 sf	\$447,164.75	
CONTINGENCY			\$370,785
Design Contingency	5%	\$136,745	
Bid Contingency	5%	\$143,582	
Construction Contingency	3%	\$90,457	

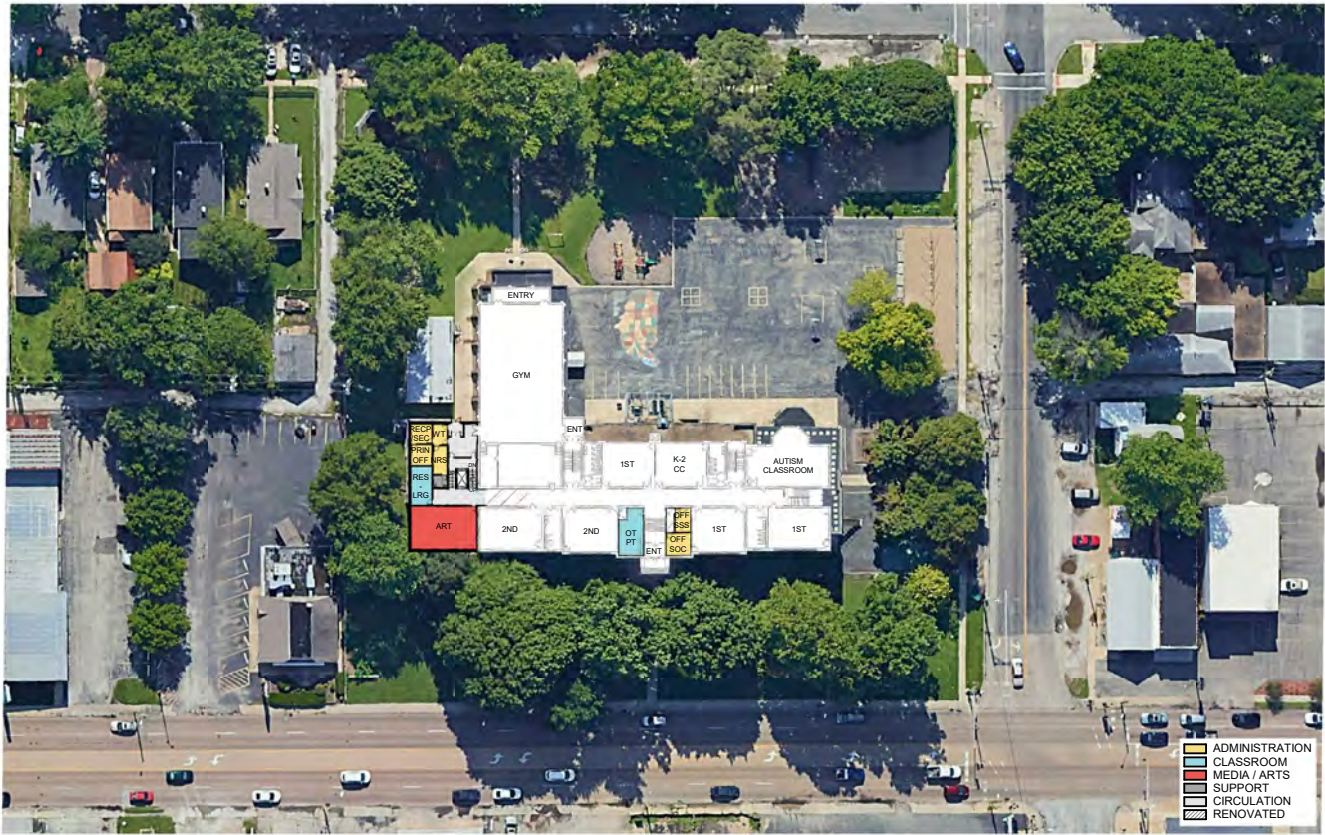
SOFT COSTS			\$358,362
SITE ACQUISITION AND EVALUATION			\$17,800
Land Purchase			
Topographical Survey		\$8,900	
Geotechnical Survey		\$8,900	
FEES AND SERVICES			\$261,244
Architect/ Engineering Design Fees	8.13%	\$237,784	
Interior Design Fees		\$5,750	
Food Service Consultant			
Theater, Lighting & Rigging Design Consultant			
Acoustical/Audio/Video Design Consultant			
Technology Design Services		\$2,182	
Reimbursable Expenses		\$15,528	
OTHER COSTS			\$79,318
Technology, Telecom, Security		\$21,818	
Furnishings, Fixtures, Equipment		\$57,500	

PROJECT BUDGET

\$3,464,051

DESIGN DIAGRAM 5.1

10/31/2019



BUTLER ELEMENTARY SCHOOL
1701 S MACARTHUR BLVD

FIRST FLOOR PLAN

SCALE: 1" = 50'-0"



DESIGN DIAGRAM 5.1

10/31/2019

- ADMINISTRATION
- CLASSROOM
- MEDIA / ARTS
- SUPPORT
- CIRCULATION
- RENOVATED



SECOND FLOOR PLAN



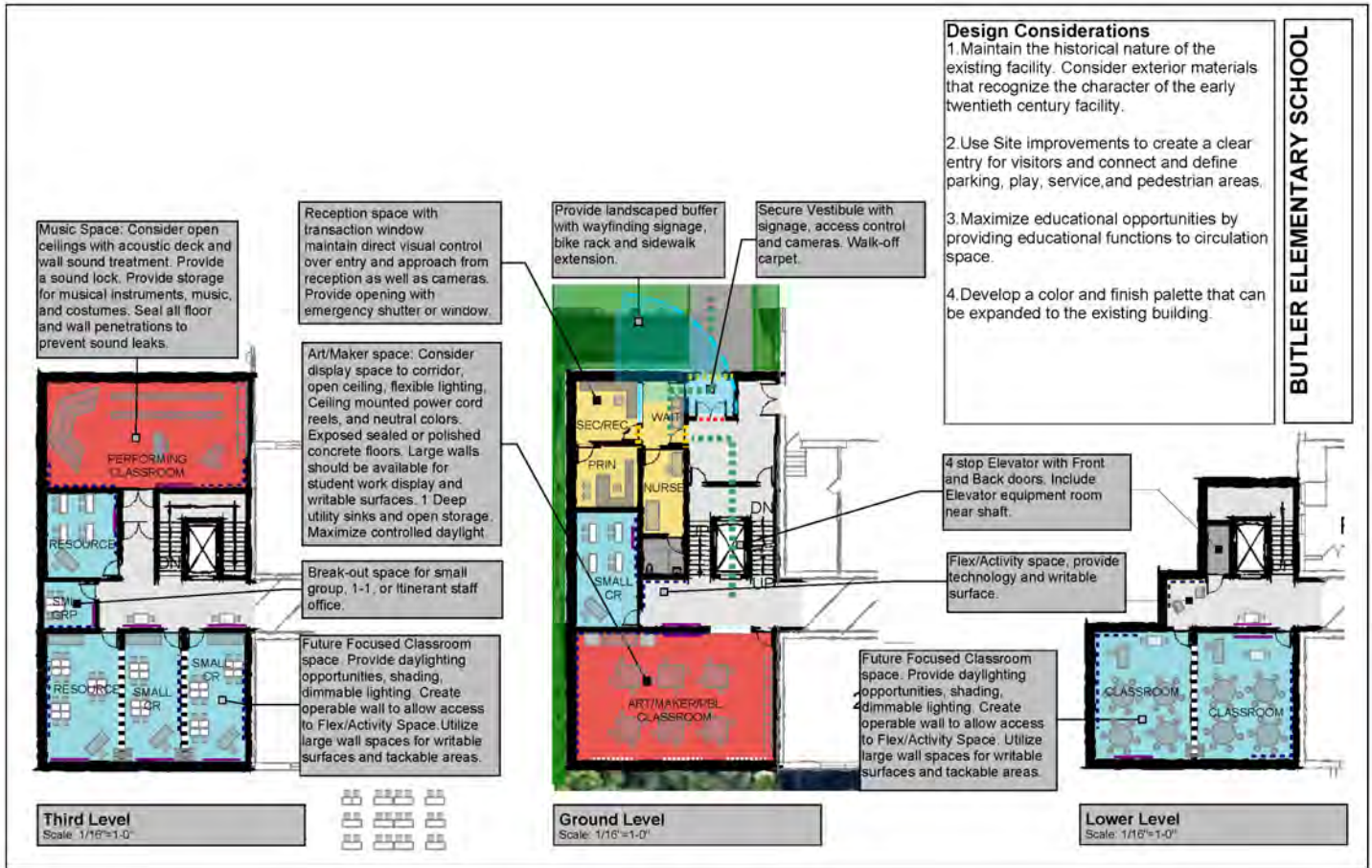
BASEMENT FLOOR PLAN

BASEMENT & SECOND FLOOR PLAN
SCALE: 1" = 50'-0"

BUTLER ELEMENTARY SCHOOL
1701 S MACARTHUR BLVD



SCOPE DIAGRAM 5.1



BUTLER ELEMENTARY SCHOOL

HPD PLAN 5.1

Historical Considerations for Butler School

Butler School was essentially completed as we see it today in 3 phases. The original structure was built in 1921 followed by two additions in 1932 and 1936. Almost more than any other Springfield Public School District 186 structure with multiple additions, Butler School appears extremely uniform in appearance and detailing. No doubt being built over a relatively short 15 years helped solidify the continuity of materials and construction techniques.

Historical considerations are similar to many other architectural decisions that involve material choices, massing, and other types of detailing in general. Given the strong east facing façade it would be important from a historical perspective to maintain the datum lines of the façade of any part of the addition that faces both east and north toward both streets that make the corner on which the school sits.



Butler's hierarchical entrance with its tall parapet and 3 part windows and center entrance make a grand gesture toward MacArthur Boulevard and the many who pass it each day. The amazing terra cotta detailing around the entry and at the cornice line below the parapet as well as other details such as the four small round panels accentuate all aspects of the façade for visitors and the public. In addition, the cast iron and glass canopy adds one more sweet detail to the original entry sequence. These exterior features are all items that should be considered to replicate or reimagine in same or similar materials.

HPD PLAN 5.1

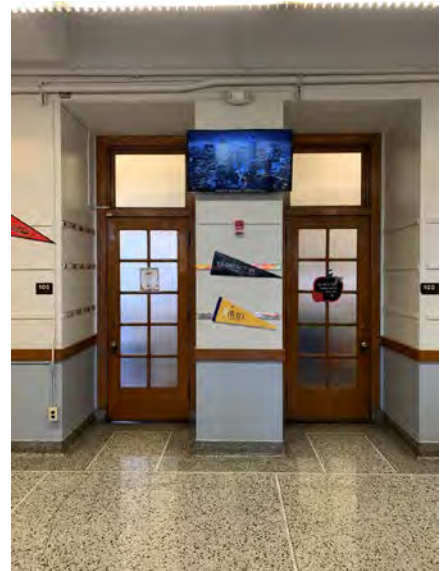
The original entry has black and white quarry tile with two types of marble wainscoting. The original floors are two separate terrazzo color mixes separated by a mosaic tile and brass strip. The terrazzo floors in the additions do not quite rise to the level of detail of the original, how the detailing is constructed should help inform the detailing of an addition even if the materials are not the same due either to cost or availability, etc.



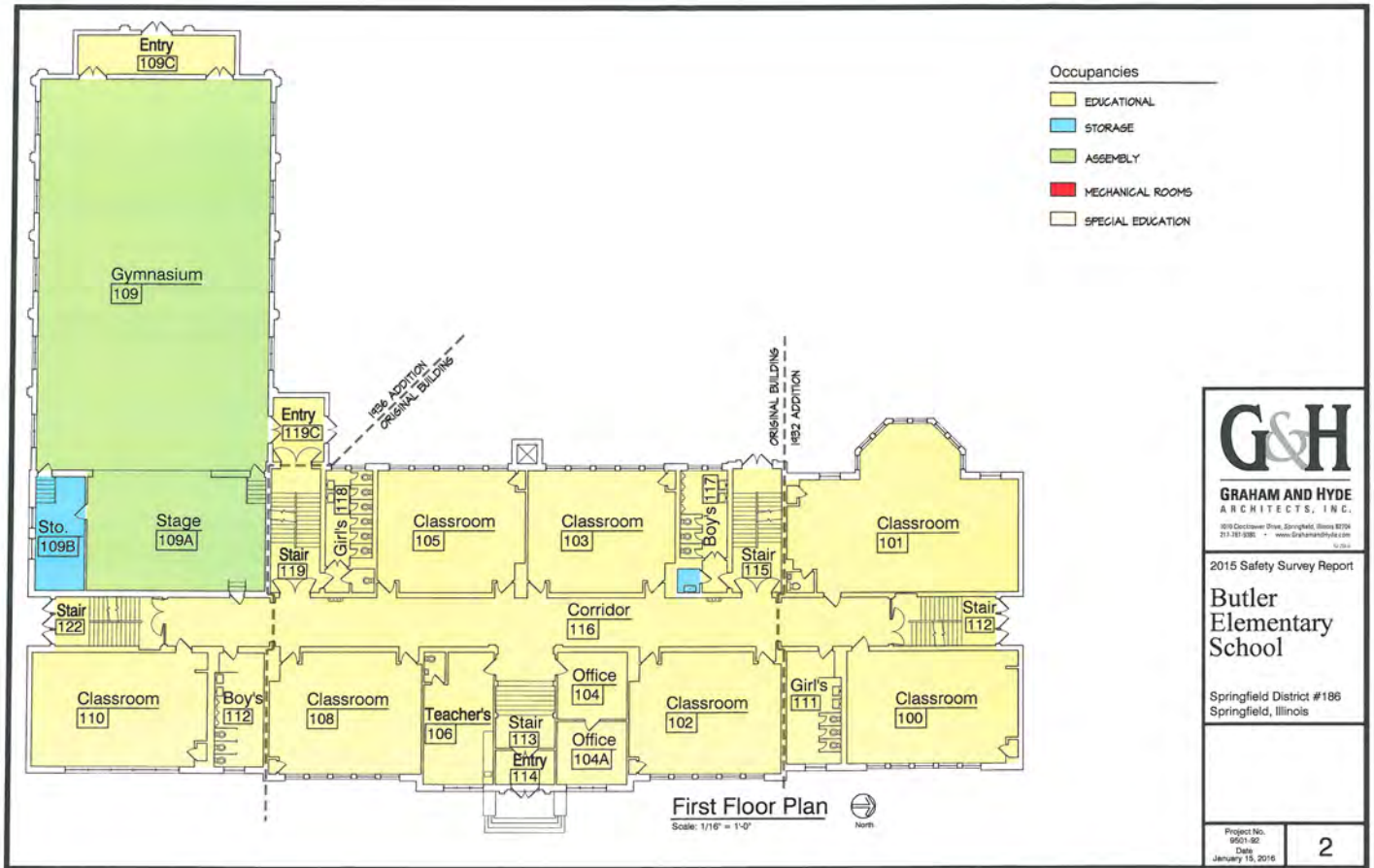
HPD PLAN 5.1



The original entry sequence lets in lots of light given the change in elevation, and doors to classrooms have transoms that allow for borrowed light. All are aspects of historical daylighting that should be given consideration with any addition.



EXISTING CONDITIONS: FLOOR PLAN 5.1



G&H
GRAHAM AND HYDE ARCHITECTS, INC.
1018 Coakley Drive, Springfield, Illinois 62704
217-281-9386 • www.grahmandhyde.com

2015 Safety Survey Report

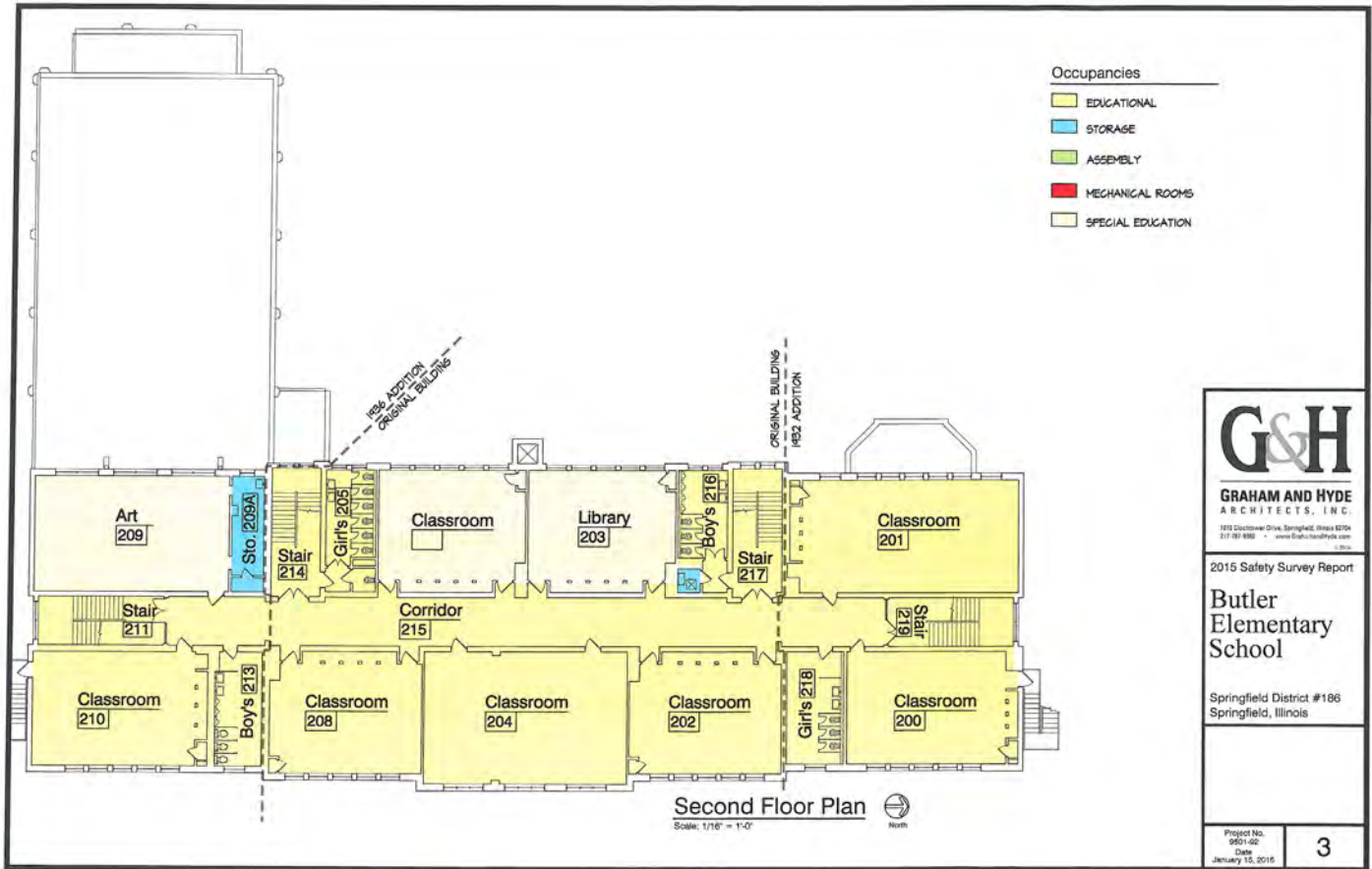
Butler Elementary School

Springfield District #186
Springfield, Illinois

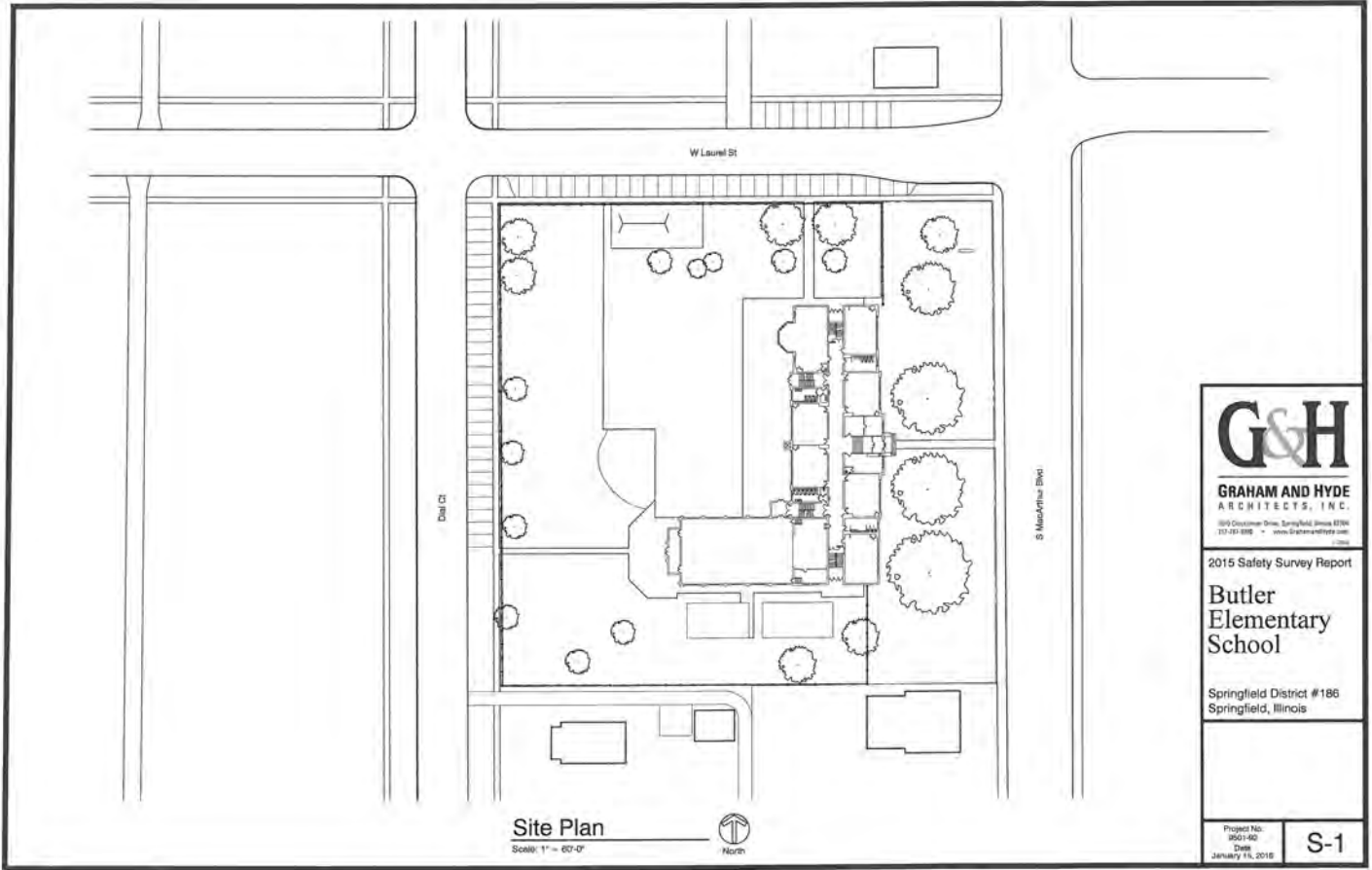
Project No. 2015-02
Date: January 15, 2016

2

EXISTING CONDITIONS: FLOOR PLAN 5.1



EXISTING CONDITIONS: SITE PLAN 5.1



SPRINGFIELD
DISTRICT 186 SCHOOLS
BUTLER
SITE ASSESSMENT
OCTOBER 2019

BUTLER ELEMENTARY SCHOOL

I. GENERAL

- The proposed addition replaces asphalt pavement and playground with building.
- The temporary buildings will be removed.
- Traffic flow patterns for student drop-off or pick-up should be assessed.
- An e-mail from the Illinois Department of Natural Resources (IDNR), noted their review of the Illinois Natural Heritage Database showed that the Mississippi Kite, a protected resource, may be in the vicinity of this school. Subsequently, a letter was provided from the IDNR that concluded that adverse effects are unlikely and that the consultation was valid for a period of two years.
- Vasconcelles Engineering Corporation (VEC) submitted a letter to the Illinois Historic Preservation Agency (IHPA) on September 18, 2019. As of October 24, 2019, we have not received any correspondence. (see attached letter)

II. ZONING

- The zoning for Butler Elementary School is R-1. There are two adjacent properties to the south, 1734 Dial Court is zoned R-1 and 1731 South MacArthur Blvd is zoned B-1.
- Front yard setback = 30'; side yard setback = 5', total of both side yards has to equal 15'; rear yard = 20'.

III. DRAINAGE

- Drainage of the area is generally away from the building toward the streets that surround the school. Inlets were noted in the west side of MacArthur Boulevard, the south side of West Laurel Street, and the east side of Dial Court.

IV. SEWERS

- There is a 12" combined sewer line running north and south through the center of the lot and is currently under the southern portion of the building and one of the temporary buildings. The older sewer map indicates that this sewer was laid in either 1909 or 1917.
- There is a storm sewer in Dial Court that runs north from about the southern limit of the school.

V. ELECTRIC

- Electric service is from the northwest. There are also electric lines for the street lights on the streets that surround the school with some lines serving the lights and the temporary buildings at the south end of the school property.

VI. GAS

- There is a 2" gas main running north and south in Dial Court and a 4" gas main running east and west in West Laurel Street.

VII. WATER

- There is a 6” water main running north and south in Dial Court with a 4” stub to the meter for the school.

VIII. DETENTION

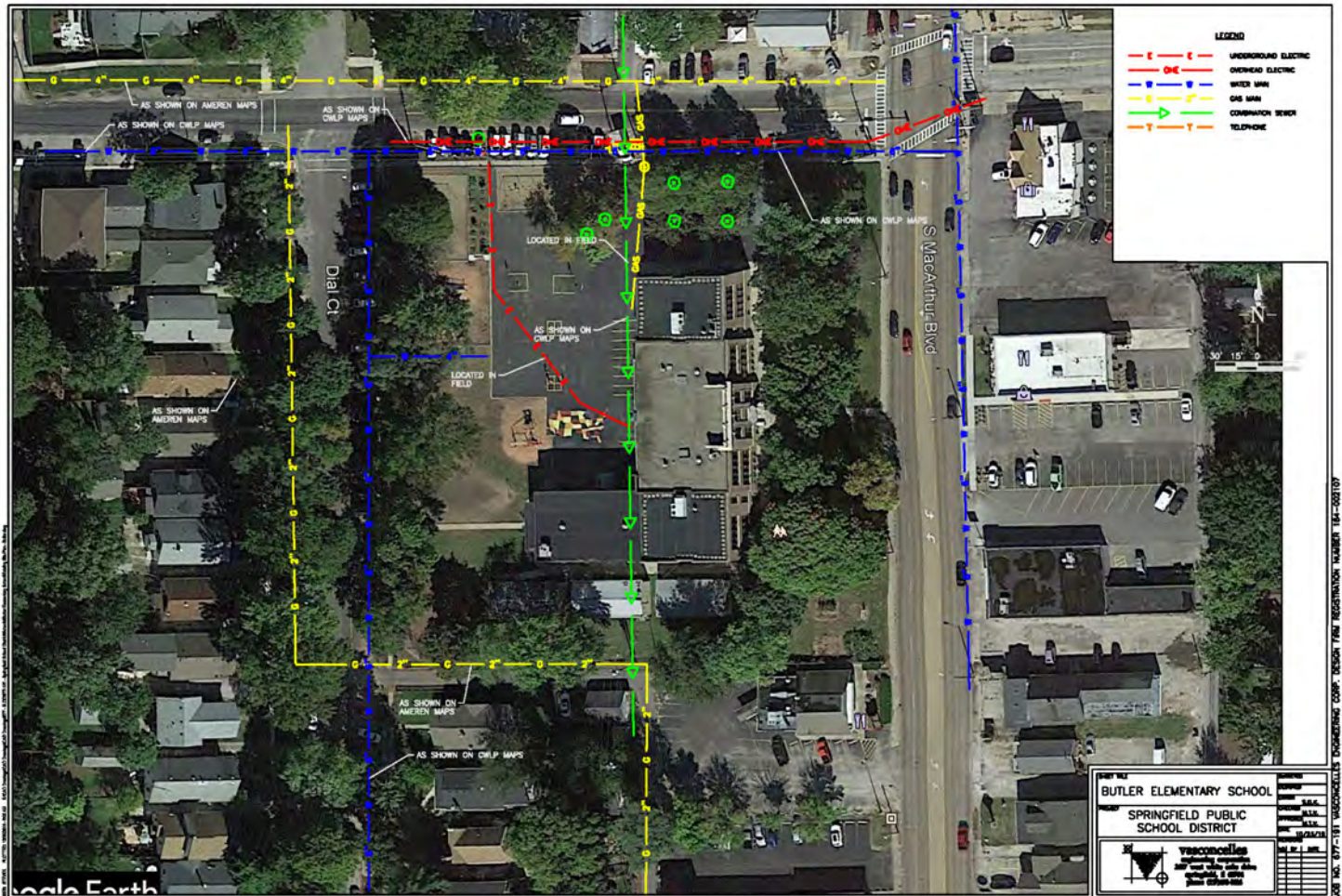
- If the outlet system from the detention storage is connected to a storm sewer system or a waterway, the proposed condition 10-year and 100-year frequency release rates are typically required to be no greater than the existing condition 10-year and 100-year frequency flow rates to the storm sewer or waterway.

IX. UNDERMINING

- The school property is located in an underground mine buffer region.

X. EXTERNAL FLOOD

- The school property is not depicted in a special flood hazard area on a Flood Insurance Rate Map as there is not special flood hazard area in the vicinity of the school.

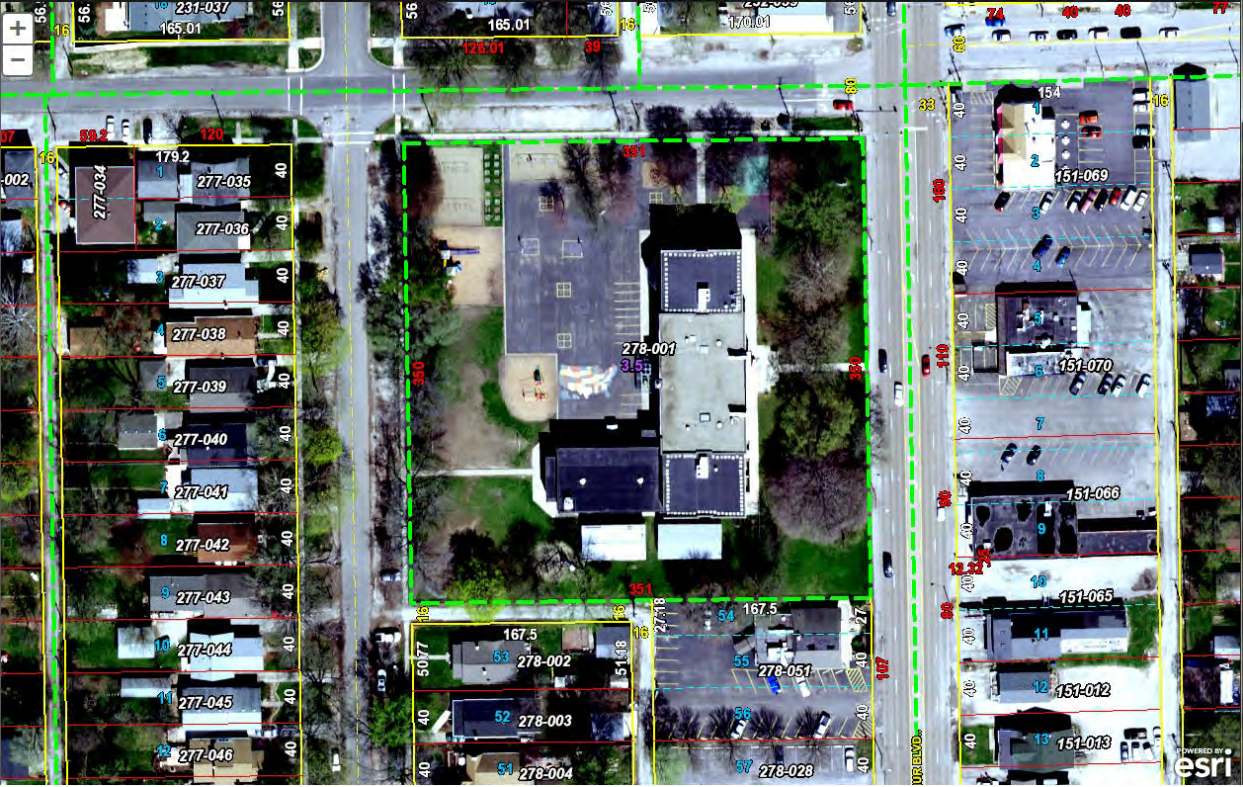


B-4

AERIAL 2018-10-16



PARCELS



2007 CONTOURS



ELECTRIC MAP



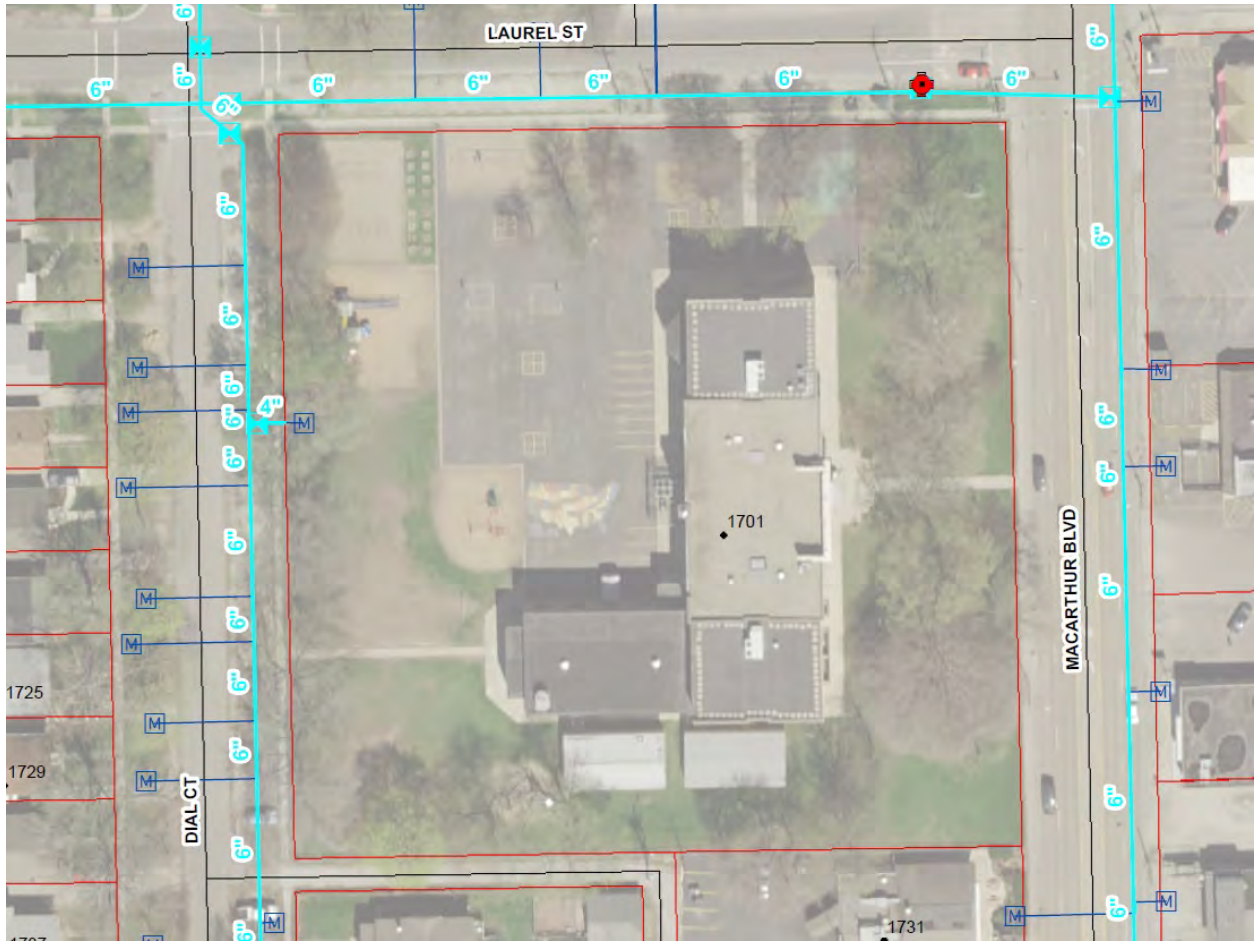
THIS MAP IS FOR GENERAL INFORMATION ONLY AND SHOULD NOT BE USED TO LOCATE ANY UTILITIES SHOWN ON THE MAP. IF YOU ARE PLANNING ANY NON-EMERGENCY EXCAVATION TO LOCATE BURIED UTILITIES PLEASE CONTACT THE TOLL FREE TELEPHONE NUMBER JOINT UTILITY LOCATION INFORMATION EXCAVATION IS 1-800-892-0123.

Substation	Disconnector	Classified	Transformer	Customer	Conductor	RIS Sector	UG Sector	Light Pole	Fiber	Traffic Cabinet
Substation	Disconnector	Classified	Transformer	Customer	Conductor	RIS Sector	UG Sector	Light Pole	Fiber	Traffic Cabinet

B-9

City Water Light and Geographic Information
 1008 East Miller Street
 Springfield, IL 62702
 Voice 217.757.8520
 Fax 217.789.2082

WATER MAP



Applicant: Vasconcelles Engineering Corp
Contact: Steve Kuper
Address: 2417 West White Oaks Dr.
Springfield, IL 62704

Project: Butler Elementary School
Address: 1701 MacArthur Blvd, Springfield

IDNR Project Number: 2003203
Date: 09/26/2019

Description: Building Addition

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

Mississippi Kite (*Ictinia mississippiensis*)

An IDNR staff member will evaluate this information and contact you to request additional information or to terminate consultation if adverse effects are unlikely.

Location

The applicant is responsible for the accuracy of the location submitted for the project.



County: Sangamon

Township, Range, Section:
15N, 5W, 5

IL Department of Natural Resources
Contact
Brian Willard
217-785-5500
Division of Ecosystems & Environment

Government Jurisdiction
IL Environmental Protection Agency
Amy L. Dragovich, P.E.
1021 North Grand Ave. East
P.O. Box 19276
Springfield, Illinois 62701

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.

2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.

3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
<http://dnr.state.il.us>

JB Pritzker, Governor

Colleen Callahan, Director

September 30, 2019

Steve Kuper
Vasconcelles Engineering Corp
2417 West White Oaks Dr.
Springfield, IL 62704

RE: Butler Elementary School
Project Number(s): 2003203
County: Sangamon

Dear Applicant:

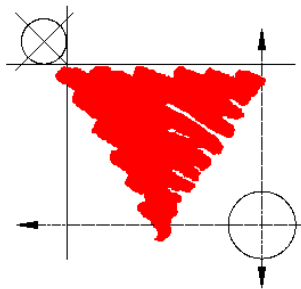
This letter is in reference to the project you recently submitted for consultation. The natural resource review provided by EcoCAT identified protected resources that may be in the vicinity of the proposed action. The Department has evaluated this information and concluded that adverse effects are unlikely. Therefore, consultation under 17 Ill. Adm. Code Part 1075 is terminated.

This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary.

The natural resource review reflects the information existing in the Illinois Natural Heritage Database at the time of the project submittal, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, you must comply with the applicable statutes and regulations. Also, note that termination does not imply IDNR's authorization or endorsement of the proposed action.

Please contact me if you have questions regarding this review.

Brian Willard
Division of Ecosystems and Environment
217-785-5500



vasconcelles

engineering corporation

Principals

James Vasconcelles
Mark Vasconcelles, P.E.
Shayla Pfaffe, P.L.S.
Trent Dalton
Steve Kuper
Wendi Wallner

September 18, 2019

Anne E. Haaker
Illinois Historic Preservation Agency
1 Old State Capitol Plaza
Springfield, IL 62701

RE: Butler Elementary School, Springfield, IL

Dear Ms. Haaker:

The Springfield Public Schools are planning to construct an addition to Butler Elementary School, 1701 South MacArthur Blvd, Springfield, IL. Enclosed is a general location map to assist you in understanding the location of the proposed addition.

We will be filling out the Notice of Intent for the Illinois Environmental Protection Agency NPDES permit and wanted to consult your office in regards to Historic Preservation.

I am requesting your review of this information. If you have any questions or need additional information, please feel free to contact me.

Sincerely,

VASCONCELLES ENGINEERING CORPORATION

Steven D. Kuper

Enclosure

sdk
677-191

Consulting Engineers

Springfield Office
2417 West White
Oaks Drive
Springfield, IL 62704

217.698.3114
Fax 217-698-3115

1.800.727.4VEC

E-mail
vec@vasconcelles.com



DUBOIS ELEMENTARY SCHOOL

PROJECT SUMMARY 5.2

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

DUBOIS ELEMENTARY SCHOOL

Grades: K-5 Enrollment: 420 No. of strands: 3-4
Address: 120 S. Lincoln Ave. Springfield, IL 62701
Year of original construction: 1897
Building addition: 1916

Phase 1 Design Objectives

- Create a secure entry and building administration and reception areas allowing visitors to be greeted and controlled despite the level changes
- Provide new classroom and collaborative space for students and faculty
- Create student support spaces within the building
- Recapture administrative spaces within the building for education purposes
- Connect all levels with 1 elevator and ramps to make all areas accessible

Site

- Replace sidewalks to new entry
- Create a landscape buffer from the parking lot to the entry to allow safe drop-off and wayfinding
- Allow the boiler building to remain until later phases

Building Construction

- Provide similar aesthetic to existing Dubois building
- Match existing masonry construction with additions
- Match existing floor, paint, and ceiling finishes with products from the district standards
- Provide signage and wayfinding
- Extend flooring, paint patterns and schemes, ceilings, and other finishes with products matching or complementary products from the district standards

MEP

- Extend existing electrical service to a sub panel for distribution to additions
- Extend current HVAC systems and provide air conditioning to new areas via standalone systems
- Extend Fire Alarm, Fire Protection

Technology

- Extend existing security, data networks, Wi-Fi network, telecom, bell and paging systems

Construction Delivery Method

- This project is to be constructed via Design-Bid-Build.

BUILDING PROGRAM (FULL) 5.2

Dubois Elementary School	Sq Ft	QTY	Total Sq Ft	Number of Usable Existing Spaces Available	Number of Spaces Deficient	New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	New Spaces Required Phase 2	Area (sf) of New Space Required	COMMENTS
CORE EDUCATIONAL ENVIRONMENTS (CLASSROOMS)													
Classroom- Kindergarten Classroom	1050	4	4200	4									
Kindergarten Toilet (adjacent to classroom)	45	4	180	0	4								
Classroom- First Grade	900	4	3600	4									
First Grade Toilet (adjacent to classroom)	45	4	180	0	4								
Classroom- Second Grade	900	4	3600	3	1	1	800			X			Classroom - designation to be determined with District.
Classroom- Third Grade	900	4	3600	3	1	1	800			X			Classroom - designation to be determined with District.
Classroom- Fourth Grade	900	3	2700	3									
Classroom- Fifth Grade	900	3	2700	3									
Reading Classroom	500	3	1500	2	1						X	500	
Literacy Classroom	300	2	600	0	2						X	600	
ESL (English as a Second Language) Classroom	400	1	400	0	1						X	400	
FINE AND APPLIED ARTS/ PERFORMANCE SPACES													
Art Studio	1100	1	1100	1									
Art Storage	150	1	150	1									
Music Room	1000	1	1000	1									
Music Storage	200	1	200	1									
Auditorium with Stage (Small)	800	1	800	1									
MEDIA CENTER/ LIBRARY SERVICES/ DISTANCE LEARNING LABS													
Media Center/ Library	1400	1	1400	1									
Media Center/ Library Storage	200	1	200	0	1						X	200	
Media Center/ Library Office	100	1	100	0	1						X	100	
Media Center/ Library Workroom	150	1	150	0	1						X	150	
Technology/IT Storage	200	1	200	0	1						X	200	
PHYSICAL EDUCATION/ ATHLETIC FACILITIES (INSIDE AND OUTSIDE, SUPPORT SPACES FOR COACHES/ TEAMS)													
PE Gymnasium (Regulation sized)	8400	1	8400	1									
Physical Education Storage- Indoor equipment	400	1	400	1									
Physical Education Office	120	1	120	0	1								
SPACES FOR STUDENTS WITH SPECIAL NEEDS (CLASSROOMS, SMALL LEARNING AREAS)													
Special Education- Large Classroom	500	5	2500	5									
Resource Room (Large)	300	4	1200	1	1						X	300	
Resource Room (Large)	300	4	1200	1	2						X	600	
Speech Classroom	125	2	250	1	1						X	125	
Occupational and Physical Therapy Room	150	1	150	0	1						X	150	
Office- SSS (Student Support Services)	100	1	100	0	1						X	100	
Office- Children's MOSAIC Project (Community Social Work)	100	1	100	0	1						X	100	
Special Needs Single User Toilet (Changing)	125	1	125	0	1			2	300	X			
RECEPTION/ LOBBY/ WELCOMING SPACE													
Lobby/Welcoming area	150	1	150	0	1	1	50			X			To create controlled visitor entry vestibule.
Waiting Area	150	1	150	0	1	1	150			X			To create controlled visitor entrance.
Reception (General Office/Admin Assistant/Secretary)	350	1	350	1		2	220			X			
ADMINISTRATIVE SPACES (OFFICES, CONFERENCE)													
Office- Principal	175	1	175	1		1	150			X			New office addition - existing office spaces repurposed.
Conference/ Meeting Room	175	1	175	0	1						X	175	
Work Room- Administrative	200	1	200	0	1						X	200	
Storage- Secure File	100	1	100	0	1						X	100	
Storage- General Administrative	100	1	100	0	1						X	100	
Administrative Dedicated Single User Toilet (office area)	75	1	75	0	1			1	150	X			
Office- General (Admin / PA / Intern / Other)	100	1	100	0	1						X	100	
Office- Social Worker	125	1	125	0	1						X	125	
FACULTY SUPPORT/ WORK SPACES													
Faculty Work Room (Large)	500	1	500	0	1						X	500	
Faculty Lounge Room (Large)	350	1	350	0	1						X	350	
Faculty Dedicated Single User Toilet	75	2	150	1	1						X	75	
Storage (Books)	200	1	200	0	1						X	200	
Conference/Meeting Room	500	1	500	0	1						X	500	
HEALTH SERVICES													
Nurse Office	100	1	100	1		1	120			X			New office addition - existing office spaces repurposed.
Nurse (cot/bed space)	8	1	8	1									
Nurse Storage	8	1	8	1									
Nurse Dedicated Single User Toilet	75	1	75	1		1	80			X			
Health Services Space (vision/hearing)	10	1	10	0	1						X	10	
DINING AND FOOD SERVICE													
Multi-Purpose/Cafeteria Commons	2800	1	2800	1									
Multi-Purpose/Cafeteria Commons Storage	200	1	200	0	1						X	200	
Food Service Kitchen	1500	1	1500	1									
Food Service Storage	350	1	350	1									
Receiving	50	1	50	0	1						X	50	
COMMUNITY SPACES													
Multi-Purpose/ Community Room (Small)	900	1	900	0	1						X	900	
Office- Parent Educator	100	1	100	0	1						X	100	
Project SCOPE- After-School Program Storage	200	2	400	0	2						X	400	
F.A.C.E Family and Community Engagement- Storage	200	1	200	0	1						X	200	
BUILDING SERVICES/ FACILITIES MANAGEMENT SPACES													
Custodians' Closets	25	2	50	2									
Maintenance Central Storage	300	1	300	0	1						X	300	
Maintenance/Custodians' Office	100	1	100	1									
Laundry Room	100	1	100	0	1						X	100	
OTHER													
Toilet- Men	350	2	700	2									
Toilet- Women	350	2	700	2									
Elevator + Machine Room	150	1	150	0	1	1	190			X			
District 186 Description of Work:													
Replace Exterior Doors - \$54,000							2,560			-		8,010	
Rebuild North Wall of Boiler Bldg - \$100,000													
10 yr H/LS Item - \$10,000													
Renovate 4 Toilet Rooms - \$500,000													
Elevator and 2 chair lifts													
Efficiency Factor	0.51		Total New Space at Efficiency				5,040		450			15,770	

BUILDING PROGRAM (PHASE 1) 5.2

Dubois Elementary School				New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	COMMENTS
	Sq Ft	QTY	Total Sq Ft						
Classroom- Second Grade	900	4	3600	1	800			X	Classroom - designation to be determined with District.
Classroom- Third Grade	900	4	3600	1	800			X	Classroom - designation to be determined with District.
Special Needs Single User Toilet (Changing)	125	1	125			2	300	X	
Lobby/Welcoming area	150	1	150	1	50			X	To create controlled visitor entry vestibule.
Waiting Area	150	1	150	1	150			X	To create controlled visitor entrance.
Reception (General Office/Admin Assistant/Secretary)	350	1	350	2	220			X	
Office- Principal	175	1	175	1	150			X	
Administrative Dedicated Single User Toilet (office area)	75	1	75			1	150	X	
Nurse Office	100	1	100	1	120			X	New office addition - existing office spaces repurposed.
Nurse Dedicated Single User Toilet	75	1	75	1	80			X	
Elevator + Machine Room	150	1	150	1	190			X	
District 186 Description of Work:			Subtotal		2,560				-
Replace Exterior Doors - \$54,000									
Rebuild North Wall of Boiler Bldg - \$100,000									
10 yr H/LS Item - \$10,000									
Renovate 4 Toilet Rooms - \$500,000									
Elevator and 2 chair lifts									
	Efficiency Factor	0.51	Total New Space at 50.8% Efficiency		5,040		450		-

PROJECT BUDGET 5.2

Dubois Elementary School Springfield School District 186

December 2, 2019

CONSTRUCTION BUDGET			\$2,362,173
BUILDING			\$2,080,155
Addition	5,040 sf	\$1,325,675.48	
Renovation	446 sf	\$754,480.00	
CONTINGENCY			\$282,017
Design Contingency	5%	\$104,008	
Bid Contingency	5%	\$109,208	
Construction Contingency	3%	\$68,801	

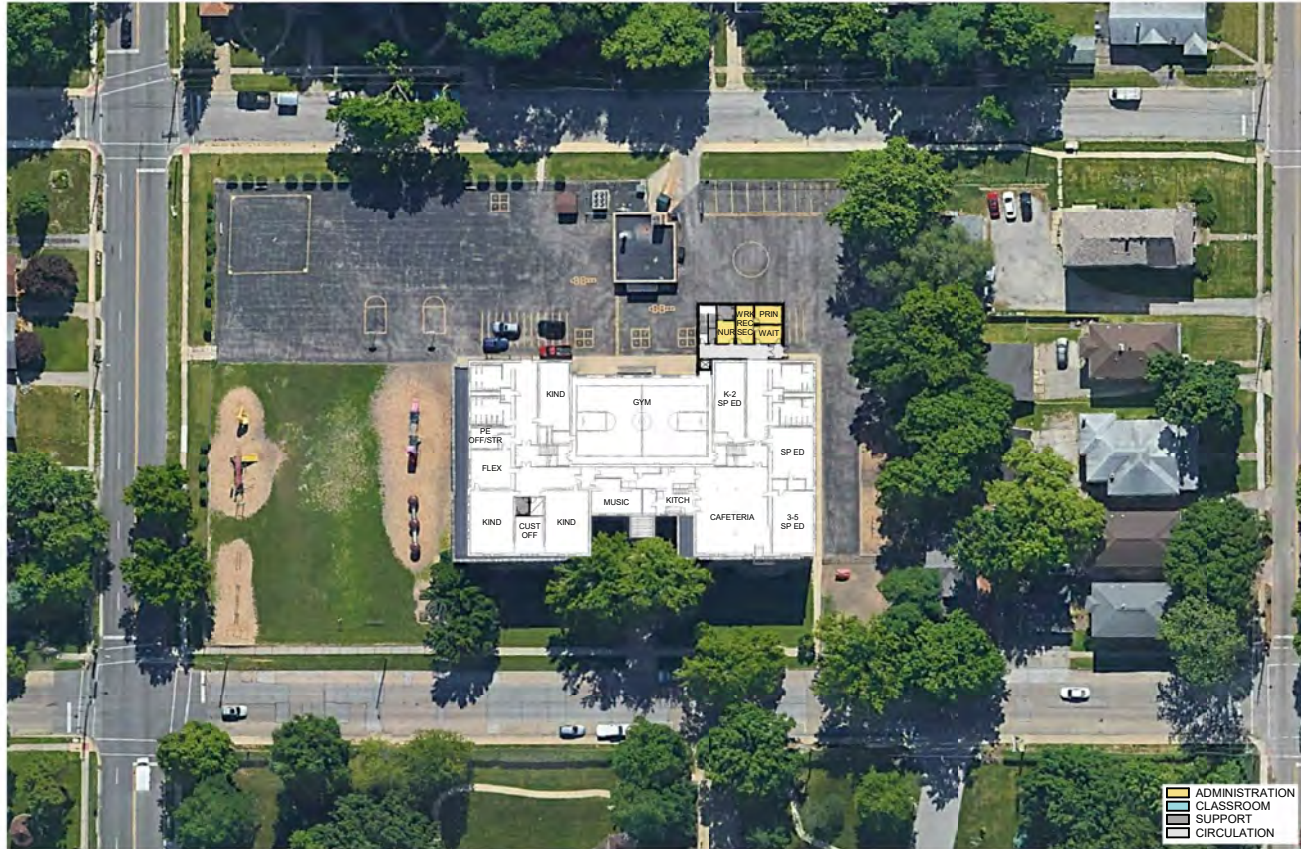
SOFT COSTS			\$262,210
SITE ACQUISITION AND EVALUATION			\$10,900
Land Purchase			
Topographical Survey		\$5,450	
Geotechnical Survey		\$5,450	
FEES AND SERVICES			\$197,595
Architect/ Engineering Design Fees	8.11%	\$180,413	
Interior Design Fees		\$4,000	
Food Service Consultant			
Theater, Lighting & Rigging Design Consultant			
Acoustical/Audio/Video Design Consultant			
Technology Design Services		\$1,372	
Reimbursable Expenses		\$11,811	
OTHER COSTS			\$53,715
Technology, Telecom, Security		\$13,715	
Furnishings, Fixtures, Equipment		\$40,000	

PROJECT BUDGET

\$2,624,383

DESIGN DIAGRAM 5.2

1031/2019



DUBOIS ELEMENTARY SCHOOL
120 S LINCOLN AVE

FIRST FLOOR PLAN
SCALE: 1" = 50'-0"



BLDD
ARCHITECTS
BLDD Project No. 196EX27.200

DESIGN DIAGRAM 5.2

1031/2019

- ADMINISTRATION
- CLASSROOM
- SUPPORT
- CIRCULATION



THIRD FLOOR PLAN



SECOND FLOOR PLAN

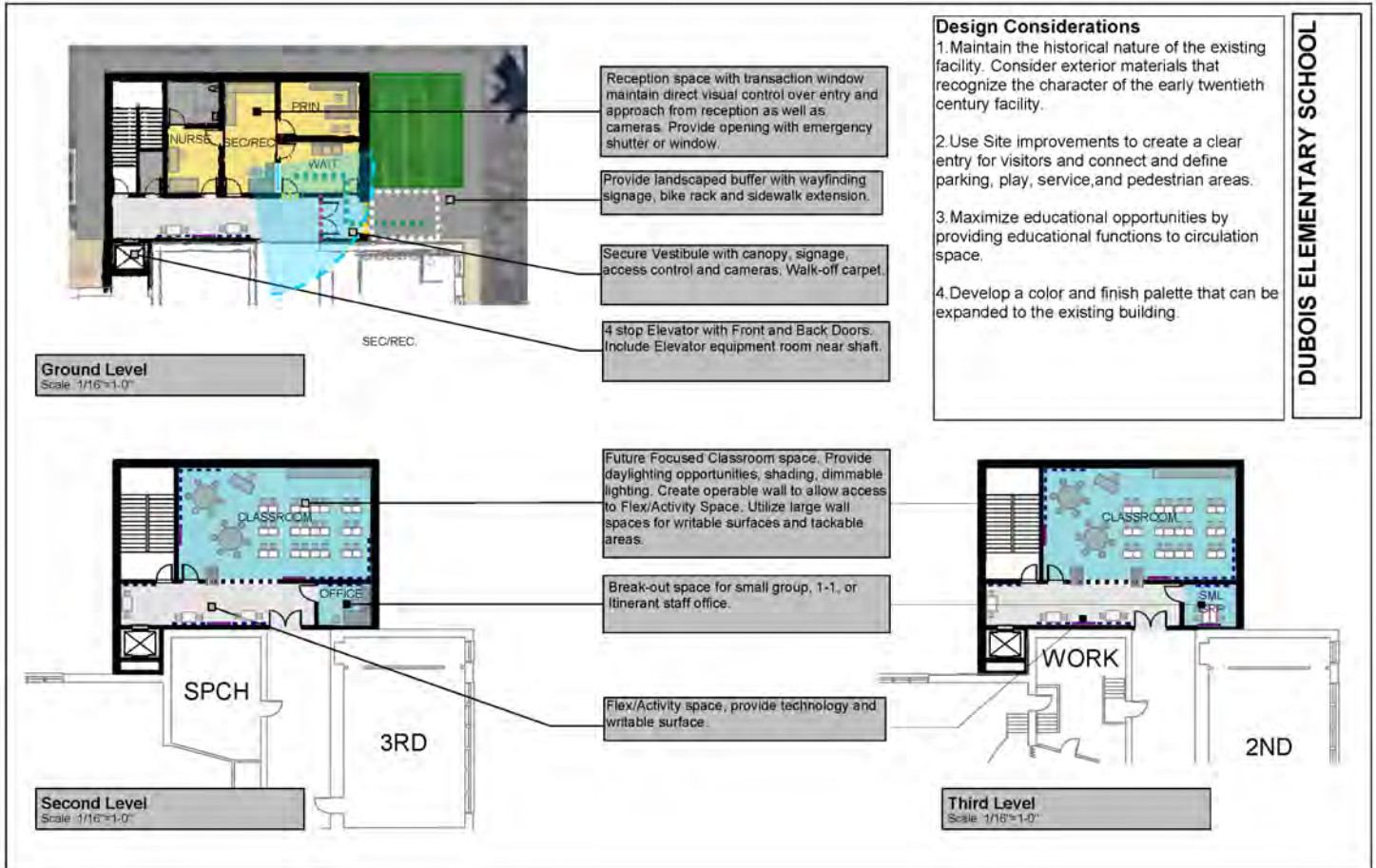
SECOND & THIRD FLOOR PLAN

SCALE: 1" = 50'-0"

DUBOIS ELEMENTARY SCHOOL
 120 S LINCOLN AVE



SCOPE DIAGRAM 5.2



HPD PLAN 5.2

Historical Considerations for Dubois

Dubois School was designed as we see it today in 1916. As the school was built for a large population of students to start it has not seen other subsequent additions as many other schools constructed in the early twentieth century.

Historical considerations are similar to many other architectural decisions that involve material choices, massing, and other types of detailing in general. Given the strong west facing façade it would be important from a historical perspective to maintain the datum lines of the façade of any part of the addition that faces both west and north toward both streets that make the corner on which the school sits.



Dubois' hierarchical entrance with its unique three sided projecting vestibule make a grand gesture toward Lincoln Avenue. The simple limestone detailing around the entry and at the cornice line below the parapet as well as other details accentuate all aspects of the façade for visitors and the public. These exterior features are all items that should be considered to replicate or reimagine in same or similar materials.

HPD PLAN 5.2



The entry door from the vestibule and doors to classrooms have transoms that allow for borrowed light. All are aspects of historical daylighting including circulation stairs in both classroom sections of the building that should be given consideration with any addition(s).



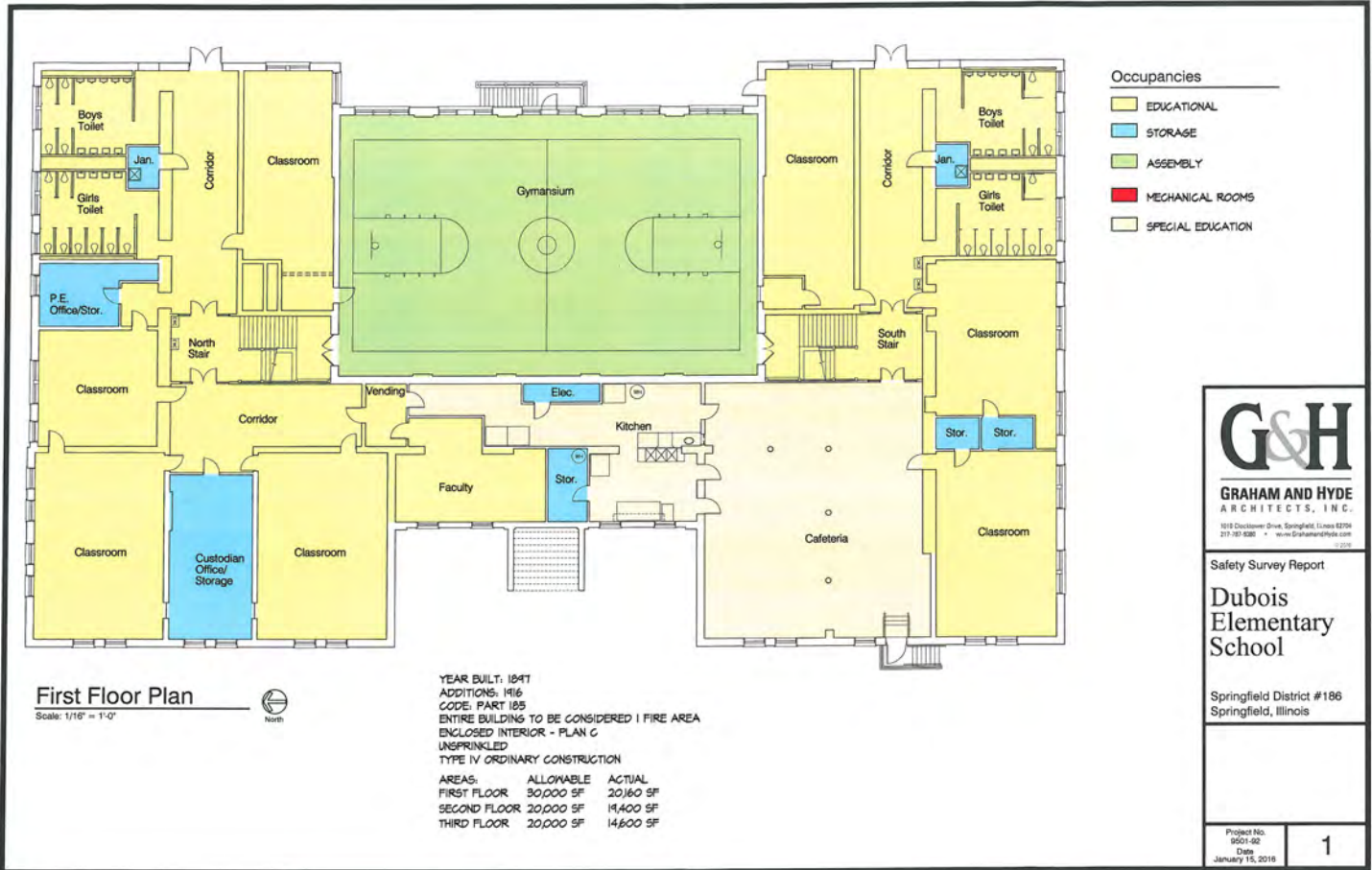
It seems the original flooring was most likely tongue and groove wood flooring that probably exists under the vinyl composite tile. This may have been either fir or oak and was not researched for this paper. Flooring is another element to be given consideration from a historical perspective.

HPD PLAN 5.2

Dubois School has a relatively new feature compared to other schools its age and that is a 23 year old mural created by a regionally known artist who grew up in Springfield and now maintains a studio in St. Louis. Charles Houska is a pop artist who sometimes works with school age children in collaboration to create mural projects in various schools; he completed the mural at Dubois School in 1996. Consideration should be given to preserve significant artwork or for the design of future places to include it.



EXISTING CONDITIONS: FLOOR PLAN 5.2



EXISTING CONDITIONS: FLOOR PLAN 5.2



G&H
GRAHAM AND HYDE
ARCHITECTS, INC.
1000 Chestnut Drive, Springfield, Illinois 62704
313-781-5385 • www.GrahamandHyde.com

Safety Survey Report

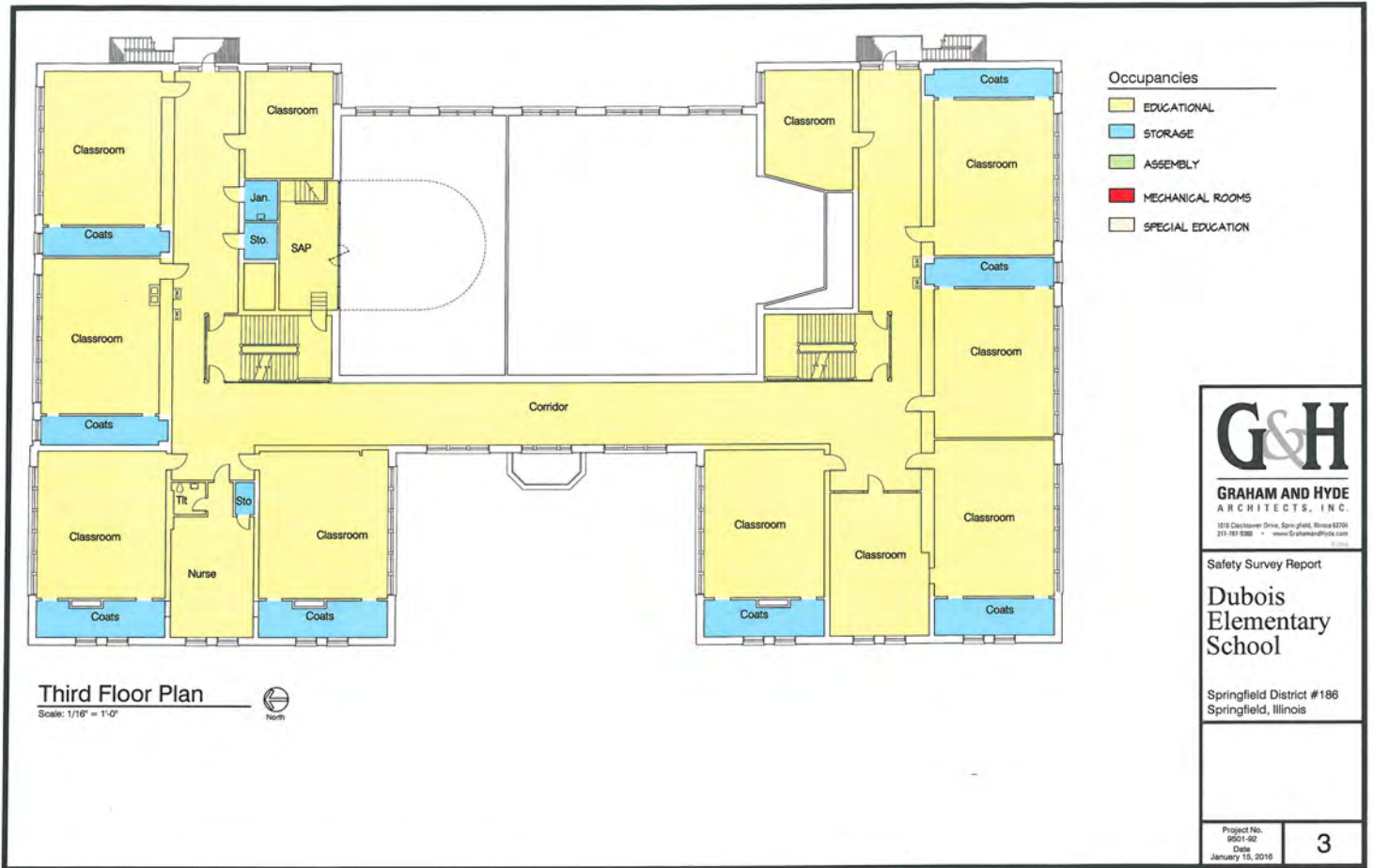
**Dubois
Elementary
School**

Springfield District #186
Springfield, Illinois

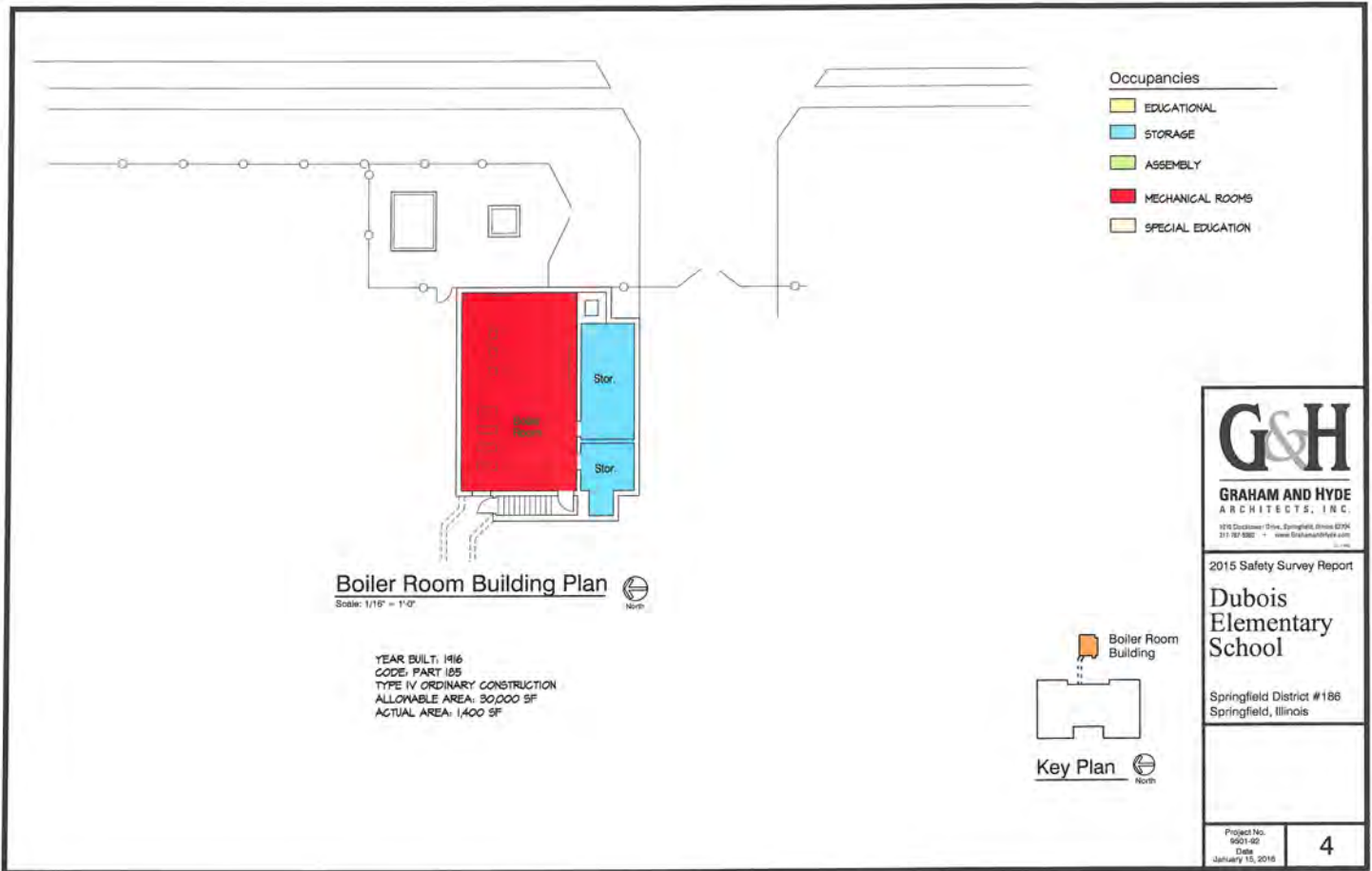
Project No.
9501-02
Date
January 15, 2016

2

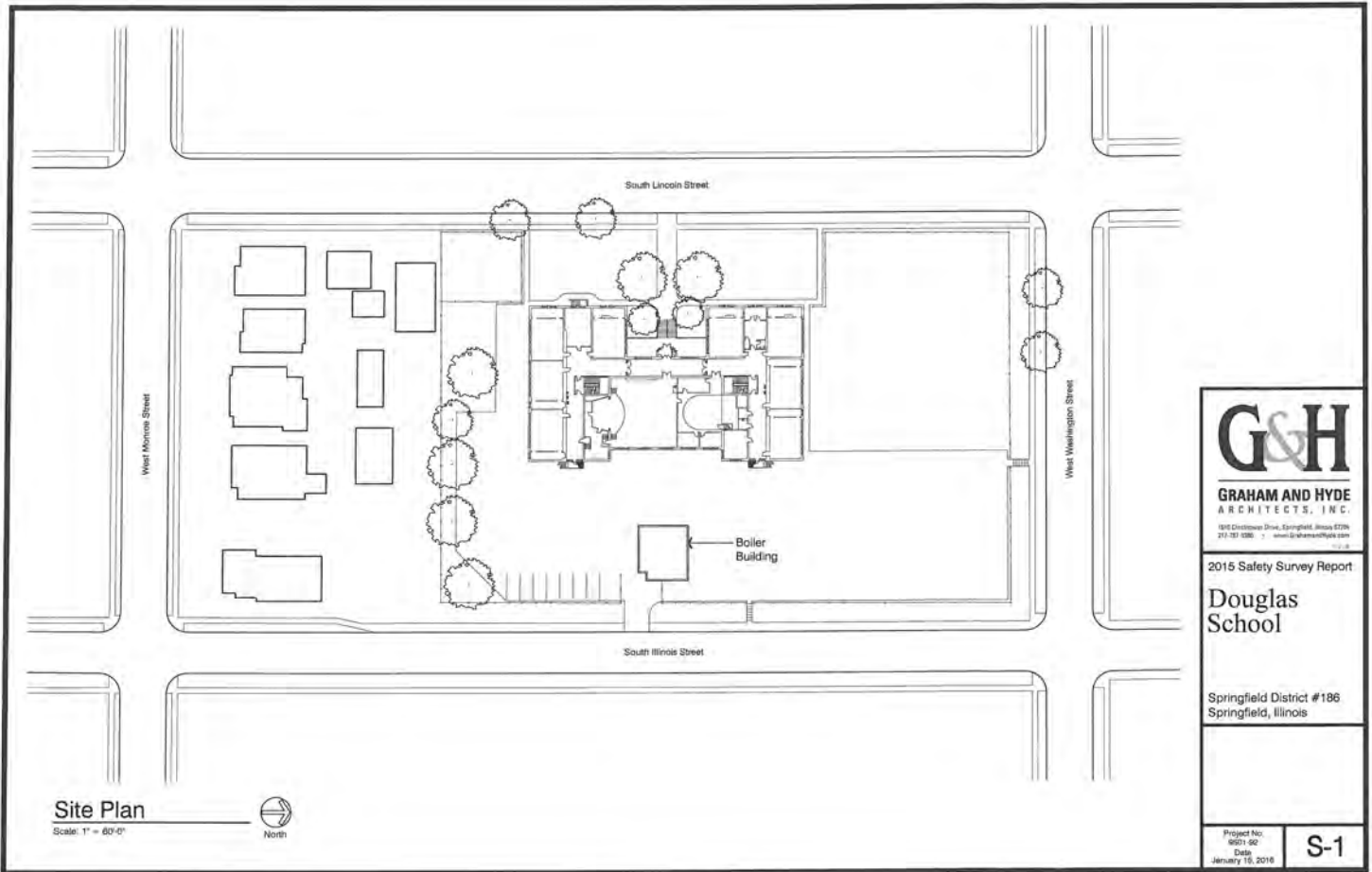
EXISTING CONDITIONS: FLOOR PLAN 5.2



EXISTING CONDITIONS: FLOOR PLAN 5.2



EXISTING CONDITIONS: SITE PLAN 5.2



G&H GRAHAM AND HYDE ARCHITECTS, INC. <small>1810 East Glendale Drive, Springfield, Illinois 62794 217.321.0300 • www.grahamandhyde.com</small>	
2015 Safety Survey Report	
Douglas School	
Springfield District #186 Springfield, Illinois	
Project No: 9501-92 Date: January 16, 2018	S-1

SPRINGFIELD
DISTRICT 186 SCHOOLS
DUBOIS
SITE ASSESSMENT
OCTOBER 2019

DUBOIS ELEMENTARY SCHOOL

- I. GENERAL
 - There is not a proposed addition at this school.
 - Traffic flow patterns for student drop-off or pick-up should be assessed.
 - There is a passage from the boiler building that carries the pipes to the school which has been filled.
 - An e-mail from the Illinois Department of Natural Resources, noted their review of the Illinois Natural Heritage Database contained no record of State-listed threatened or endangered species, natural area inventory sites, nature preserves, or land and water reserves in the vicinity of this school.
 - Vasconcelles Engineering Corporation (VEC) submitted a letter to the Illinois Historic Preservation Agency (IHPA) on September 18, 2019. As of October 24, 2019, we have not received any correspondence. (see attached letter)

- II. ZONING
 - The zoning for Dubois Elementary School is R-3B. There are three adjacent properties to the south and they are all zoned R-3B.
 - Front yard setback = 20'; side yard setback = 4' for buildings under 3 stories and 7 for buildings over 3 stories, total of both side yards has to equal 12' for buildings under 3 stories and 16' for building over 3 stories; rear yard = 20'.

- III. DRAINAGE
 - Drainage of the area is generally southwest to northeast. Inlets were noted on the west side of South Illinois Street and the south side of West Washington Street.

- IV. SEWERS
 - There is a 24" combined sewer line running north and south under South Lincoln Avenue and a 36" combined sewer running north and south under South Illinois Street.

- V. ELECTRIC
 - Electric service is from the east. There are also electric lines for the street lights and pole lights in the southern portion of the school property.

- VI. GAS
 - There is a 2" gas main running north and south in South Lincoln Avenue and an 8" gas main running east and west in West Washington Street.

- VII. WATER
 - There is a 6" water main running east and west in West Washington Street to which the meter is connected.

- VIII. DETENTION
 - Detention is not expected to be required unless necessary to improved traffic flow patterns. The detention storage would be connected to a Sangamon County Water

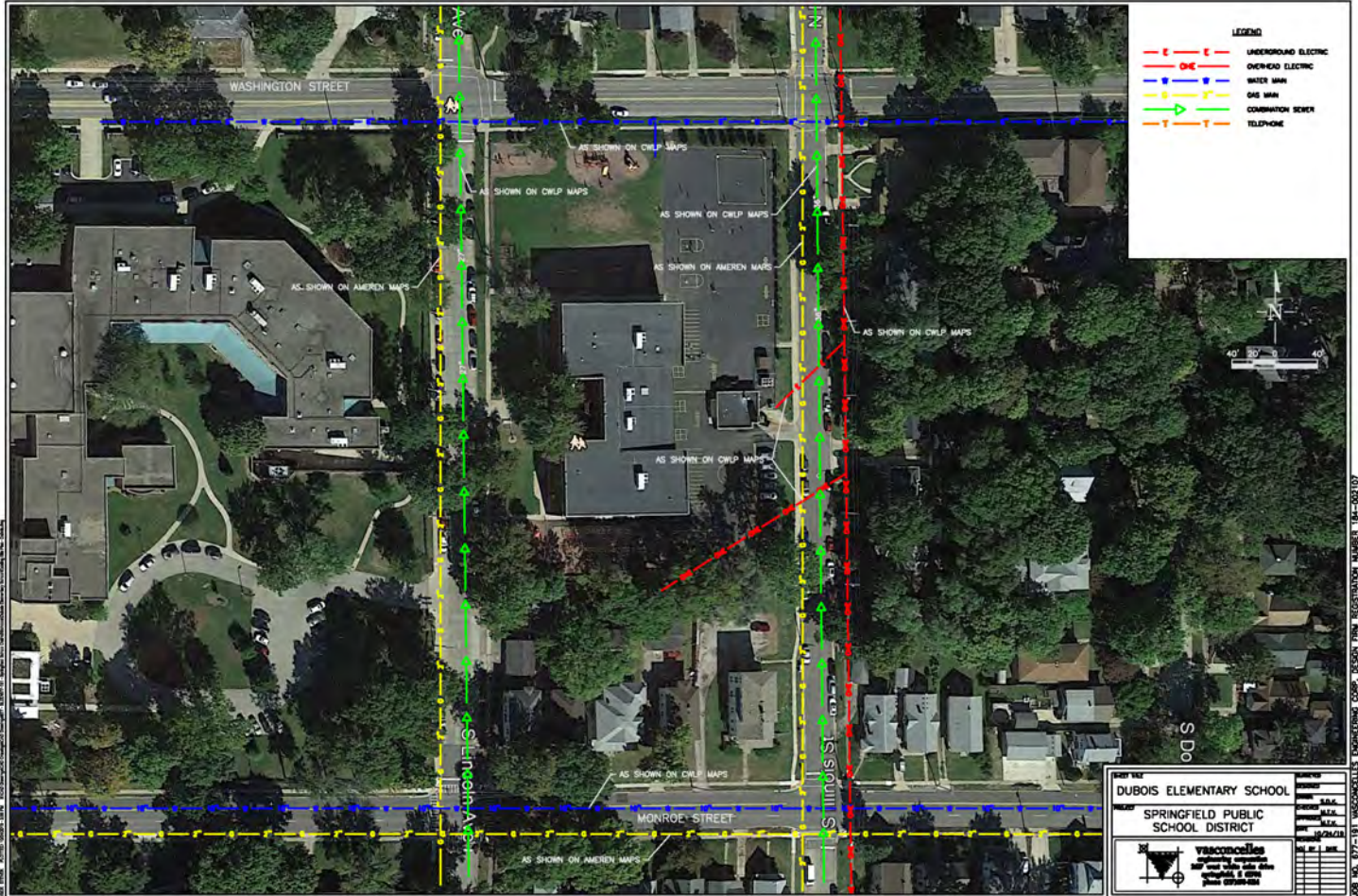
Reclamation District combined sewer system so there would be a requirement for the 100-year frequency flood event to be released at the 10-year frequency discharge rate. Underground storage systems would need to be protected against potential groundwater infiltration to the system.

IX. UNDERMINING

- The school property is located outside of an underground mine region.

X. EXTERNAL FLOOD

- The school property is not depicted in a special flood hazard area on a Flood Insurance Rate Map as there is not special flood hazard area in the vicinity of the school.



D-4

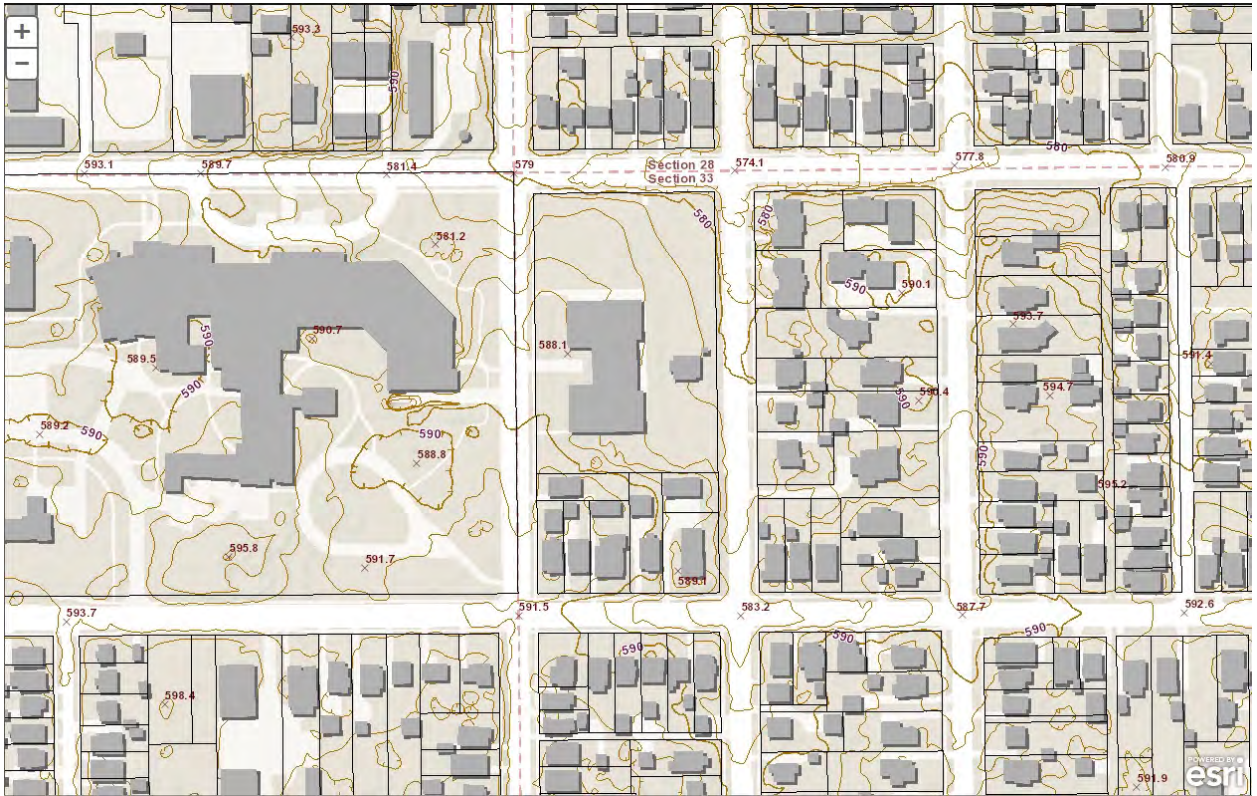
AERIAL 2018-10-16



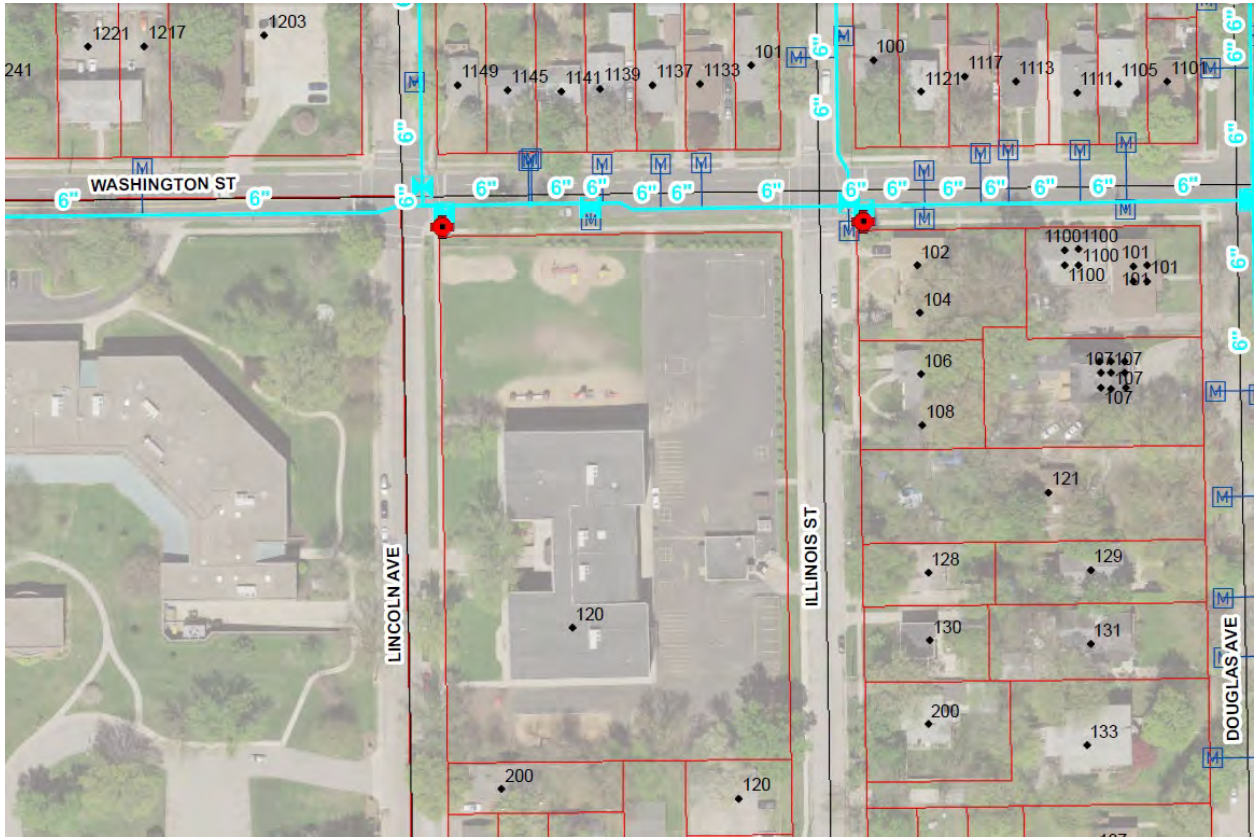
PARCELS



2007 CONTOURS



WATER MAP



Applicant: Vasconcelles Engineering Corp
Contact: Steve Kuper
Address: 2417 West White Oaks Dr.
Springfield, IL 62704

Project: Dubois Elementary School
Address: 120 South Lincoln , Springfield

IDNR Project Number: 2003202
Date: 09/26/2019

Description: Building Addition

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database contains no record of State-listed threatened or endangered species, Illinois Natural Area Inventory sites, dedicated Illinois Nature Preserves, or registered Land and Water Reserves in the vicinity of the project location.

Consultation is terminated. This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary. Termination does not imply IDNR's authorization or endorsement.

Location

The applicant is responsible for the accuracy of the location submitted for the project.



County: Sangamon

Township, Range, Section:

16N, 5W, 32

16N, 5W, 33

IL Department of Natural Resources

Contact

Brian Willard
217-785-5500
Division of Ecosystems & Environment

Government Jurisdiction

IL Environmental Protection Agency
Amy L. Dragovich, P.E.
1021 North Grand Ave. East
P.O. Box 19276
Springfield, Illinois 62701

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.
2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.
3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

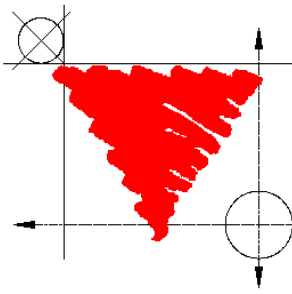
Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.



vasconcelles

engineering corporation

Principals

James Vasconcelles
Mark Vasconcelles, P.E.
Shayla Pfaffe, P.L.S.
Trent Dalton
Steve Kuper
Wendi Wallner

September 18, 2019

Anne E. Haaker
Illinois Historic Preservation Agency
1 Old State Capitol Plaza
Springfield, IL 62701

RE: Dubois Elementary School, Springfield, IL

Dear Ms. Haaker:

The Springfield Public Schools are planning to construct an addition to Dubois Elementary School, 120 South Lincoln, Springfield, IL. Enclosed is a general location map to assist you in understanding the location of the proposed addition.

We will be filling out the Notice of Intent for the Illinois Environmental Protection Agency NPDES permit and wanted to consult your office in regards to Historic Preservation.

I am requesting your review of this information. If you have any questions or need additional information, please feel free to contact me.

Sincerely,

VASCONCELLES ENGINEERING CORPORATION

Steven D. Kuper

Enclosure

sdk
677-191

Consulting Engineers

Springfield Office
2417 West White
Oaks Drive
Springfield, IL 62704

217.698.3114
Fax 217-698-3115

1.800.727.4VEC

E-mail
vec@vasconcelles.com



HARVARD PARK ELEMENTARY SCHOOL

PROJECT SUMMARY 5.3

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

HARVARD PARK ELEMENTARY SCHOOL

Grades: K-5 Enrollment: 346 No. of strands: 3-4

Address: 2501 S. 11th St. Springfield, IL 62703

Year of original construction: 1912

Building additions: 1927, 1938, 1947, 1989

Phase 1 Design Objectives

- Create a secure entry and building administration and reception areas allowing visitors to be greeted and controlled despite the level changes
- Develop a connecting link to the annex that communicates architecturally with both buildings in style and scale
- Create student support spaces within the building
- Recapture administrative spaces within the building for education purposes
- Connect all levels with 1 elevator and ramps to make all areas accessible

Site

- Replace sidewalks to new entry
- Create a landscape buffer from the parking lot to the entry to allow safe drop-off and wayfinding
- Link the main building to the annex to allow secure and covered access for students

Building Construction

- Provide similar aesthetic to existing Harvard Park and annex building architecture
- Match existing masonry construction with additions
- Match existing floor, paint, and ceiling finishes with products from the district standards
- Provide signage and wayfinding
- Extend flooring, paint patterns and schemes, ceilings, and other finishes with products matching or complementary products from the district standards

MEP

- Extend existing electrical service to a sub panel for distribution to additions
- Extend current HVAC systems and provide air conditioning to new areas via standalone systems
- Extend Fire Alarm, Fire Protection

Technology

- Extend existing security, data networks, Wi-Fi network, telecom, bell and paging systems

Construction Delivery Method

- This project is to be constructed via Design-Bid-Build.

BUILDING PROGRAM (FULL) 5.3

Harvard Park Elementary	Sq Ft	QTY	Total Sq Ft	Number of Usable Existing Spaces Available	Number of Spaces Deficient	New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	New Spaces Required Phase 2	Phase 2 Area (sf) of New Space Required	COMMENTS
CORE EDUCATIONAL ENVIRONMENTS (CLASSROOMS)													
Classroom- Kindergarten Classroom	1050	4	4200	3	1								
Kindergarten Toilet (adjacent to classroom)	45	4	180	3	1								
Classroom- First Grade	900	4	3600	3	1								
First Grade Toilet (adjacent to classroom)	45	4	180	0	4								
Classroom- Second Grade	900	4	3600	3	1								
Classroom- Third Grade	900	3	2700	3									
Classroom- Fourth Grade	900	3	2700	3									
Classroom- Fifth Grade	900	3	2700	3									
Reading Classroom	500	3	1500	1	2						X	1000	
Literacy Classroom	300	2	600	0	2						X	600	
ESL (English as a Second Language) Classroom	400	1	400	0	1						X	400	
FINE AND APPLIED ARTS/ PERFORMANCE SPACES													
Art Studio	1100	1	1100	1									
Art Storage	150	1	150	1									
Music Room	1000	1	1000	1									
Music Storage	200	1	200	1									
Auditorium with Stage (Small)	800	1	800	0	1						X	800	
MEDIA CENTER/ LIBRARY SERVICES/ DISTANCE LEARNING LABS													
Media Center/ Library	1400	1	1400	0	1						X	1400	
Media Center/ Library Storage	200	1	200	0	1						X	200	
Media Center/ Library Office	100	1	100	0	1						X	100	
Media Center/ Library Workroom	150	1	150	0	1						X	150	
Technology/IT Storage	200	1	200	0	1						X	200	
PHYSICAL EDUCATION/ ATHLETIC FACILITIES (INSIDE AND OUTSIDE, SUPPORT SPACES FOR COACHES/ TEAMS)													
PE Gymnasium (Regulation sized)	8400	1	8400	1									
Physical Education Storage-Indoor equipment	400	1	400	1									
Physical Education Office	120	1	120	1									
SPACES FOR STUDENTS WITH SPECIAL NEEDS (CLASSROOMS, SMALL LEARNING AREAS)													
Special Education- Large Classroom	500	5	2500	2	3						X	1500	
Resource Room (Large)	300	4	1200	1	1						X	300	
Speech Classroom	125	2	250	1	1						X	125	
Occupational and Physical Therapy Room	150	1	150	0	1						X	150	
Office- SSS (Student Support Services)	100	1	100	0	1			1	115	X			
Office- Children's MOSAIC Project (Community Social Work)	100	1	100	0	1						X	100	
Special Needs Single User Toilet (Changing)	125	1	125	0	1						X	125	
RECEPTION/ LOBBY/ WELCOMING SPACE													
Lobby/Welcoming area	150	1	150	0	1								
Waiting Area	150	1	150	0	1			1	100	X			
Reception (General Office/Admin Assistant/Secretary)	350	1	350	0	1			1	200	X			
ADMINISTRATIVE SPACES (OFFICES, CONFERENCE)													
Office- Principal	175	1	175	1				1	145	X			
Conference/ Meeting Room	175	1	175	0	1						X	175	
Work Room- Administrative	200	1	200	0	1						X	200	
Storage- Secure File	100	1	100	0	1						X	100	
Storage- General Administrative	100	1	100	0	1						X	100	
Administrative Dedicated Single User Toilet (office area)	75	1	75	0	1						X	75	
Office- General (Admin / PA / Intern / Other)	100	1	100	1				1	130	X			
Office- Social Worker	125	1	125	0	1			1	110	X			
FACULTY SUPPORT/ WORK SPACES													
Faculty Work Room (Large)	500	1	500	0	1			1	435	X			
Faculty Lounge Room (Large)	350	1	350	1									
Faculty Dedicated Single User Toilet	75	2	150	1	1								
Storage (Books)	200	1	200	0	1						X	200	
Conference/Meeting Room	500	1	500	0	1						X	500	
HEALTH SERVICES													
Nurse Office	100	1	100	0	1						X	100	
Nurse (cot/bed space)	80	1	80	0	1						X	80	
Nurse Storage	8	1	8	0	1						X	8	
Nurse Dedicated Single User Toilet	75	1	75	0	1						X	75	
Health Services Space (vision/hearing)	10	1	10	0	1						X	10	
DINING AND FOOD SERVICE													
Multi-Purpose/Cafeteria Commons	2800	1	2800	1									
Multi-Purpose/Cafeteria Commons Storage	200	1	200	0	1						X	200	
Food Service Kitchen	1500	1	1500	1									
Food Service Storage	350	1	350	1									
Receiving	50	1	50	0	1						X	50	
COMMUNITY SPACES													
Multi-Purpose/ Community Room (Small)	900	1	900	0	1						X	900	
Office- Parent Educator	100	1	100	0	1						X	100	
Project SCOPE- After-School Program Storage	200	2	400	0	2						X	400	
F.A.C.E Family and Community Engagement- Storage	200	1	200	0	1						X	200	
BUILDING SERVICES/ FACILITIES MANAGEMENT SPACES													
Custodians' Closets	25	2	50	2									
Maintenance Central Storage	300	1	300	0	1						X	300	
Maintenance/Custodians' Office	100	1	100	0	1			1	110	X			
Laundry Room	100	1	100	0	1						X	100	
OTHER													
Toilet- Men	350	2	700	3	-1								
Toilet- Women	350	2	700	3	-1								
Elevator + Machine Room	150	1	150	0	1			1	125	X			
Breezeway	2000	1	2000	0	1	1	570			X			
District 186 Description of Work:			Subtotal				570		1,470			11,023	
Roof - \$50,000													
Patching plaster for fire separation - \$100,000													
New Fire Alarm System - \$60,000													
400,000 for elevator, Needs Elevator (none included in CMP) Maybe a breezeway to annex													
2000 sq ft for annex connection and misc env.													
Efficiency Factor	1.00		Total New Space at 100% Efficiency				570	0.48	3,060			11,023	

BUILDING PROGRAM (PHASE 1) 5.3

Harvard Park Elementary									
	Sq Ft	QTY	Total Sq Ft	New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	COMMENTS
Office- SSS (Student Support Services)	100	1	100			1	115	X	
Waiting Area	150	1	150			1	100	X	
Reception (General Office/Admin Assistant/Secretary)	350	1	350			1	200	X	
Office- Principal	175	1	175			1	145	X	
Office- General (Admin / PA / Intern / Other)	100	1	100			1	130	X	
Office- Social Worker	125	1	125			1	110	X	
Faculty Work Room (Large)	500	1	500			1	435	X	
Maintenance/Custodians' Office	100	1	100			1	110	X	
Elevator + Machine Room	150	1	150			1	125	X	
Breezeway	2000	1	2000	1	570			X	
District 186 Description of Work:			Subtotal		570		1,470	-	
Roof - \$50,000 Patching plaster for fire seperation - \$100,000 New Fire Alarm System - \$60,000 400,000 for elevator, Needs Elevator (none included in CMP) Maybe a breezeway to annex 2000 sq ft for annex connection and misc env.	Efficiency Factor	1.00	Total New Space at 100% Efficiency		570	0.48	3,060	-	

PROJECT BUDGET 5.3

Harvard Park Elementary School Springfield School District 186

December 2, 2019

CONSTRUCTION BUDGET			\$1,271,026
BUILDING			\$1,119,279
Addition	570 sf	\$202,214.55	
Renovation	3,060 sf	\$917,064.75	
CONTINGENCY			\$151,746
Design Contingency	5%	\$55,964	
Bid Contingency	5%	\$58,762	
Construction Contingency	3%	\$37,020	

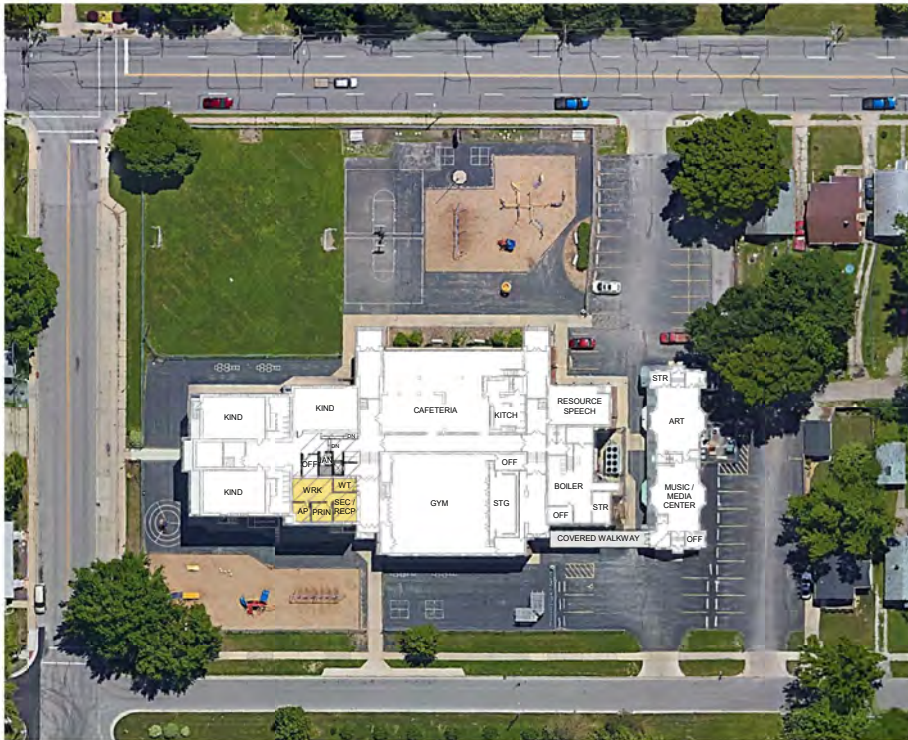
SOFT COSTS			\$127,463
SITE ACQUISITION AND EVALUATION			\$8,310
Land Purchase			
Topographical Survey		\$4,155	
Geotechnical Survey		\$4,155	
FEES AND SERVICES			\$105,078
Architect/ Engineering Design Fees	8.13%	\$97,315	
Interior Design Fees		\$500	
Food Service Consultant			
Theater, Lighting & Rigging Design Consultant			
Acoustical/Audio/Video Design Consultant			
Technology Design Services		\$908	
Reimbursable Expenses		\$6,355	
OTHER COSTS			\$14,075
Technology, Telecom, Security		\$9,075	
Furnishings, Fixtures, Equipment		\$5,000	

PROJECT BUDGET

\$1,398,488

DESIGN DIAGRAM 5.3

10/31/2019



BASEMENT / GROUND FLOOR PLAN

SCALE: 1" = 50'-0"

- ADMINISTRATION
- CIRCULATION
- SUPPORT
- RENOVATED

HARVARD PARK ELEMENTARY SCHOOL

2501 S 11TH ST



DESIGN DIAGRAM 5.3

10/31/2019

- ADMINISTRATION
- CIRCULATION
- SUPPORT
- RENOVATED



SECOND FLOOR PLAN



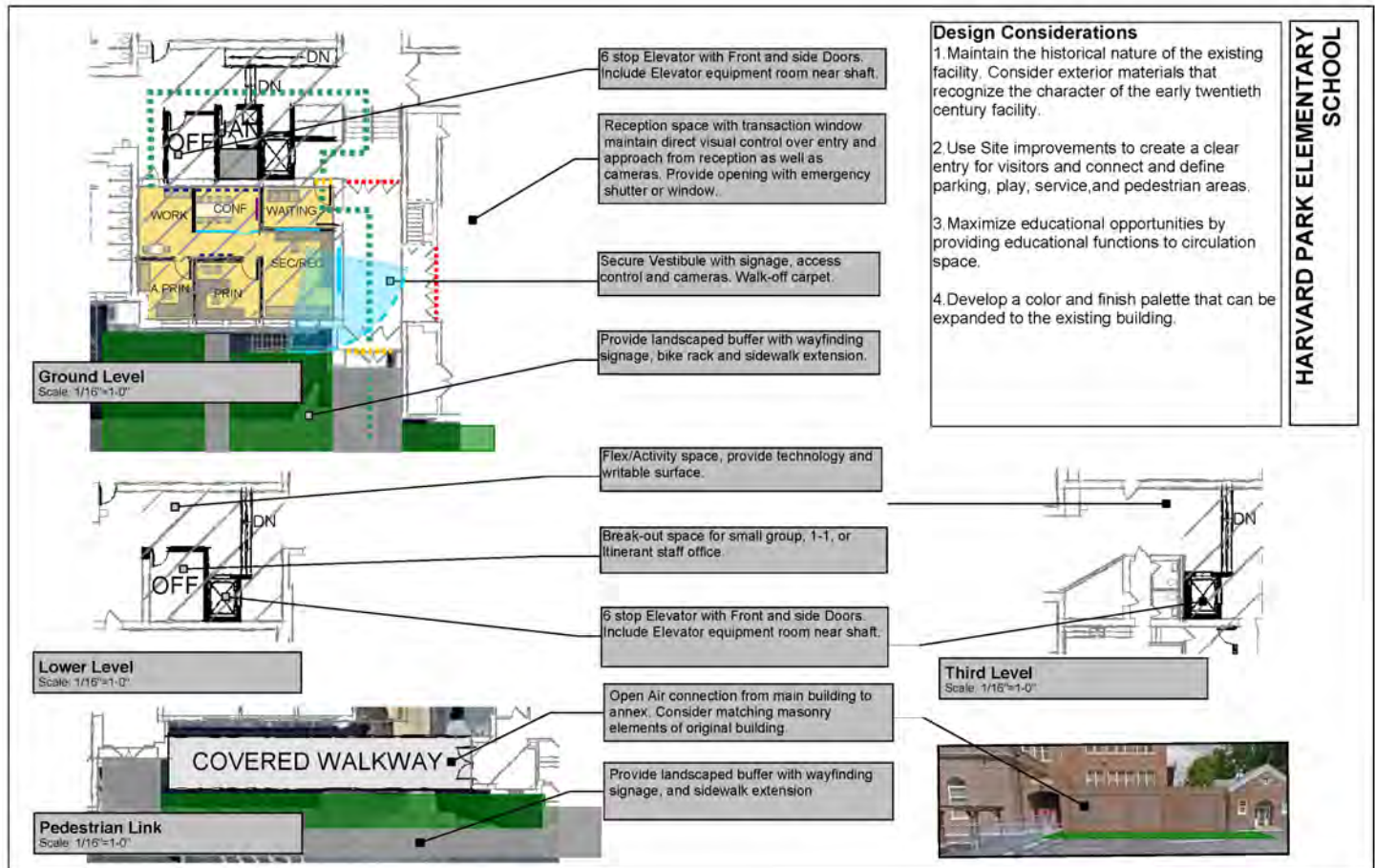
FIRST FLOOR PLAN

FIRST & SECOND FLOOR PLAN
SCALE: 1" = 50'-0"



HARVARD PARK ELEMENTARY SCHOOL
2501 S 11TH ST

SCOPE DIAGRAM 5.3



HARVARD PARK ELEMENTARY SCHOOL

HPD PLAN 5.3

Historical Considerations for Harvard Park

Harvard Park School was essentially completed as we see it today in 3 phases with a fourth phase being the Kindergarten building. The first two phases were completed by the same architect and the third and largest phase was completed by a different architect than the first two and transformed the entry sequence from Oberlin Avenue to both Yale Boulevard and Eleventh Street.



Historical considerations are similar to many other architectural decisions that involve material choices, massing, and other types of detailing in general. Given the strong north, east, and west facing façades it would be important from a historical perspective to maintain the datum lines of these façades which face the streets that make the borders of the site on which the school sits.



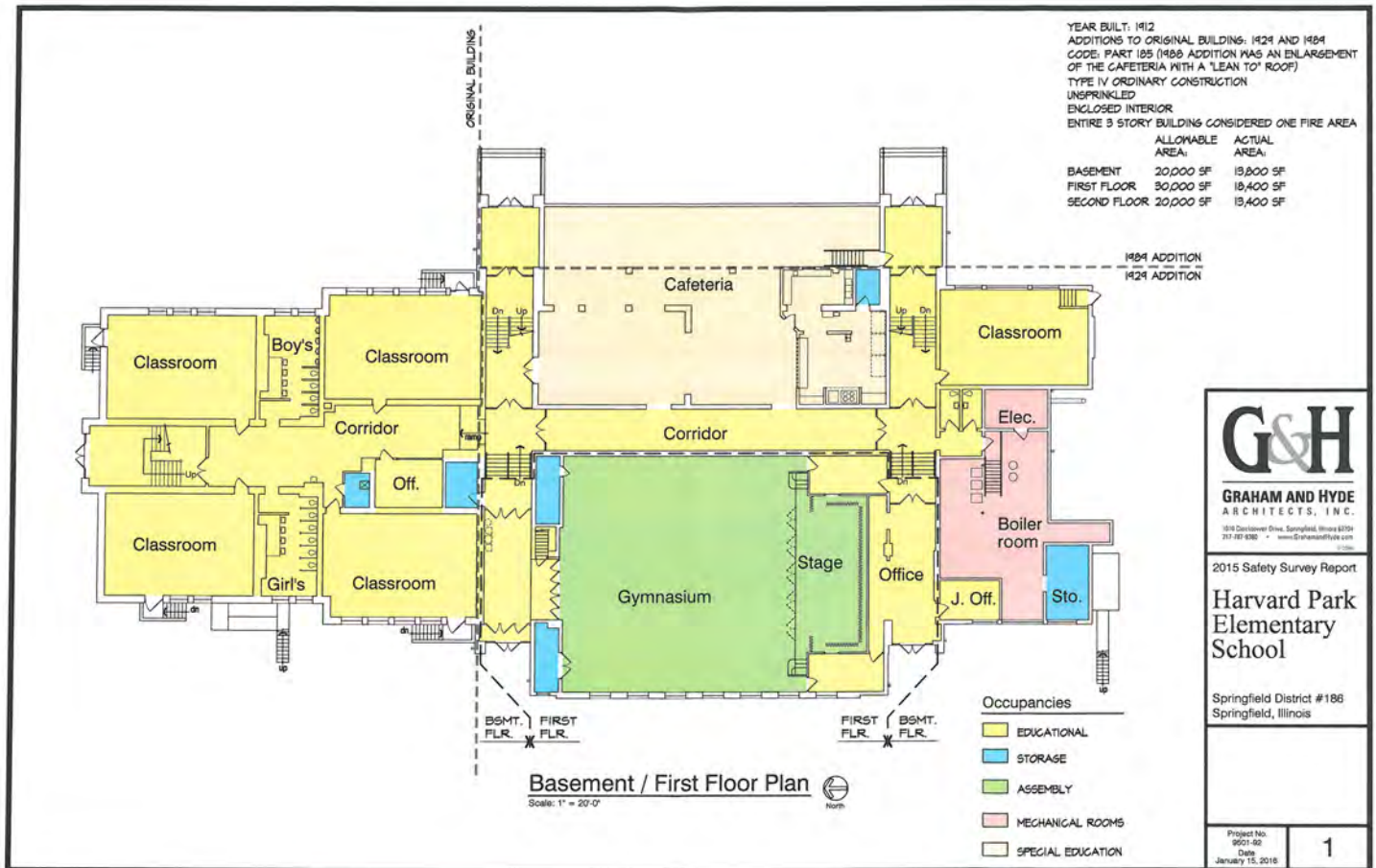
Harvard Park School has many interesting interior features such as cast iron stairs and a mosaic tile floor in the original building that should inform future work that desires to rely on the history of the building.

HPD PLAN 5.3

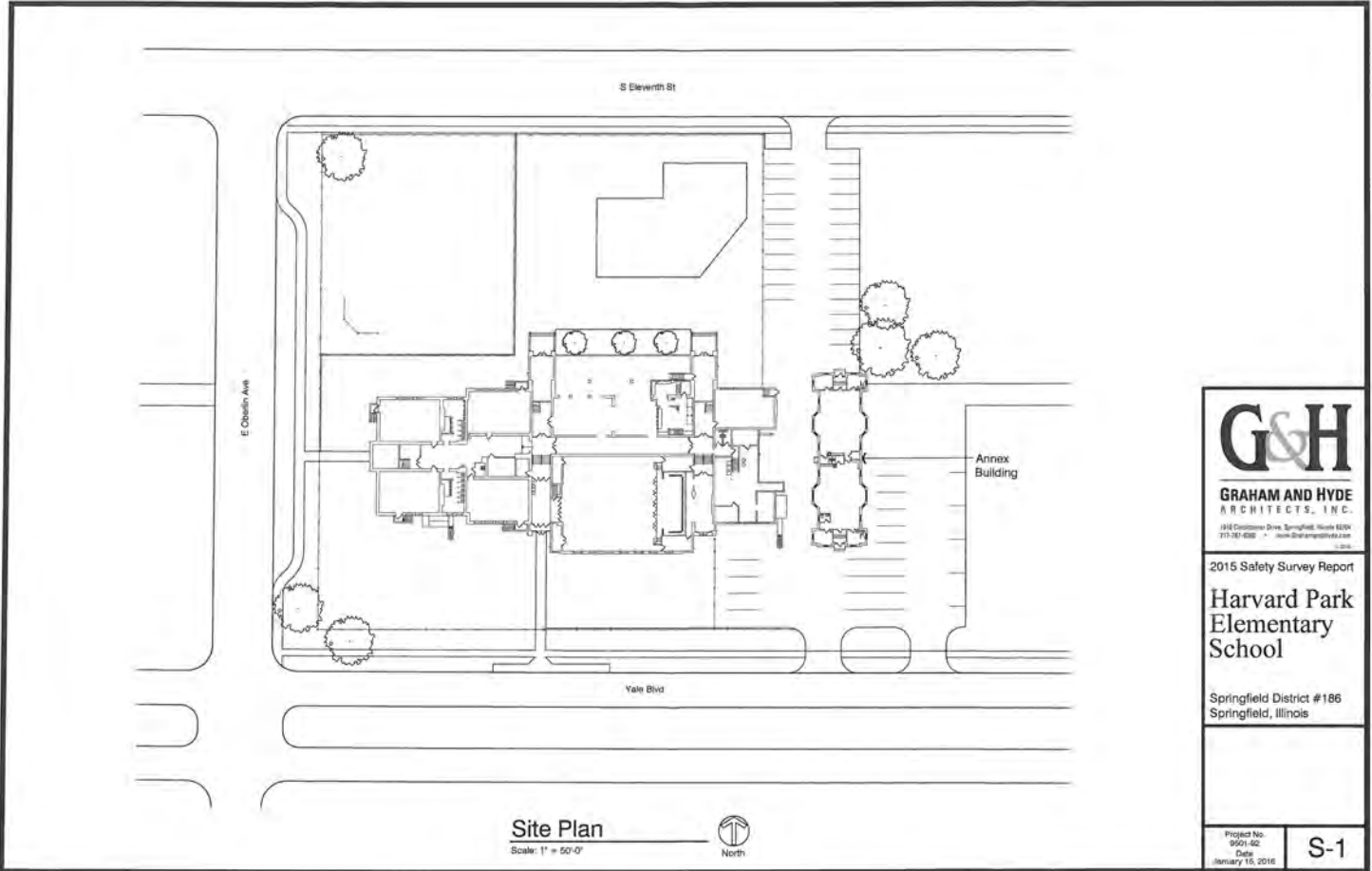


In many ways, the current layout of the school is very disconnected. Perhaps history could serve as a guide to make any particular corrections to the layout and sequencing of spaces as future work unfolds.

EXISTING CONDITIONS: FLOOR PLAN 5.3



EXISTING CONDITIONS: SITE PLAN 5.3



G&H GRAHAM AND HYDE ARCHITECTS, INC. <small>1118 Chestnut Drive, Springfield, Illinois 62764 717-767-4388 • info@grahamandhyde.com</small>	
2015 Safety Survey Report	
Harvard Park Elementary School	
Springfield District #186 Springfield, Illinois	
Project No. 9521-152 Date January 15, 2016	S-1

SPRINGFIELD
DISTRICT 186 SCHOOLS
HARVARD PARK
SITE ASSESSMENT
DECEMBER 2019

HARVARD PARK ELEMENTARY SCHOOL

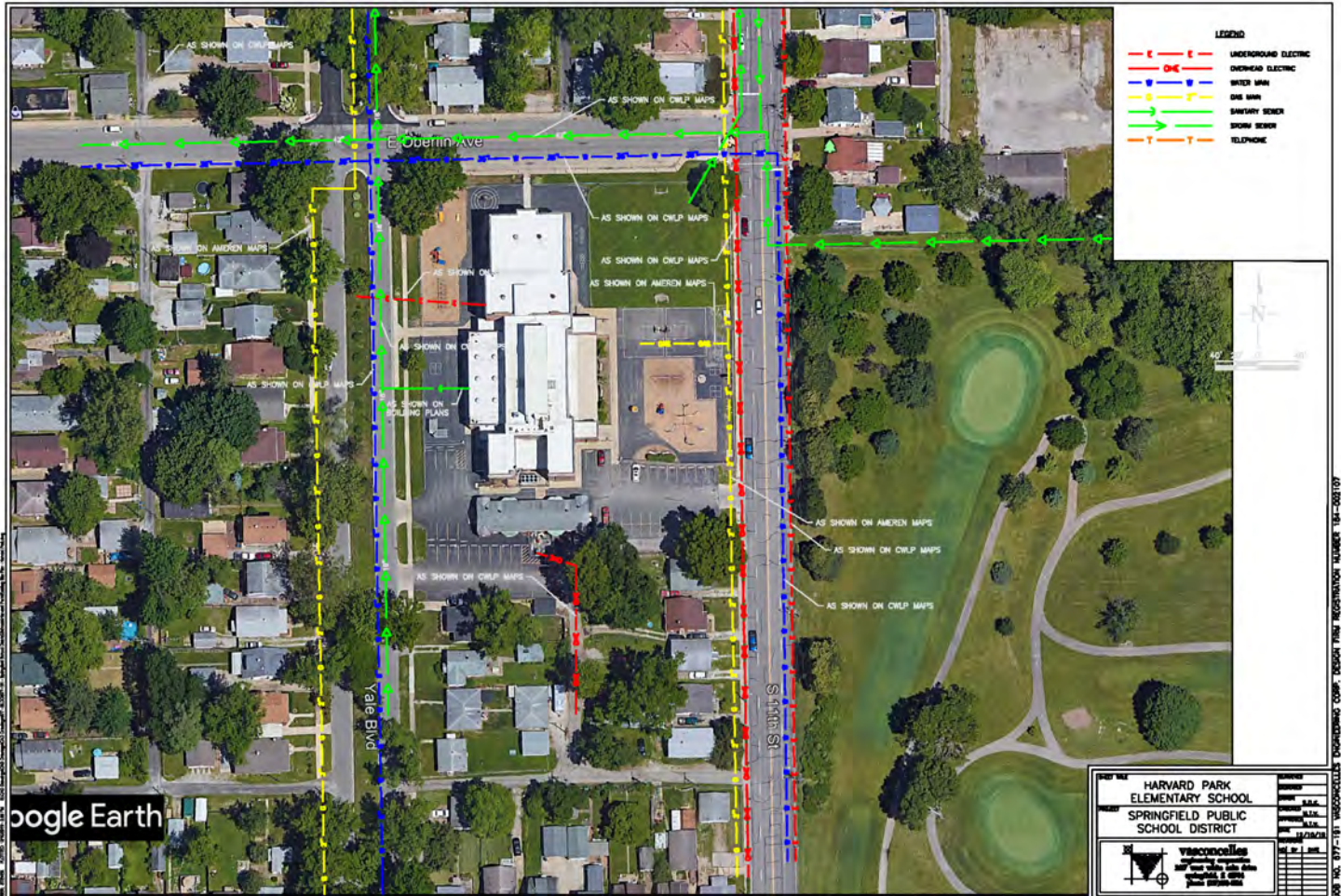
- I. GENERAL
 - There is not a proposed addition at this school.
 - An e-mail from the Illinois Department of Natural Resources, noted their review of the Illinois Natural Heritage Database contained no record of State-listed threatened or endangered species, natural area inventory sites, nature preserves, or land and water reserves in the vicinity of this school.
 - Vasconcelles Engineering Corporation (VEC) submitted a letter to the Illinois Historic Preservation Agency (IHPA) on December 2, 2019. As of December 10, 2019, we have not received any correspondence. (see attached letter)
- II. ZONING
 - The zoning for Harvard Park Elementary School is R-2. All of the surrounding parcels are also zoned R-2.
 - Front yard setback = 25'; side yard setback = 3', total of both side yards has to equal 10'; rear yard = 20'.
- III. DRAINAGE
 - Drainage of the area is generally away from the building toward the streets that surround the school. Inlets were noted at the intersections of East Oberlin Avenue with South 11th Street and Yale Boulevard, on the south side of East Oberlin Avenue north of the school, and on the east side of Yale Boulevard west of the school.
- IV. SEWERS
 - There is a 42" combined sewer line running east and west in East Oberlin Avenue and an 18" combined sewer line running north and south in the Yale Boulevard and in South 11th Street.
- V. ELECTRIC
 - Electric service for the main school building is from an overhead line coming in from the west in Yale Boulevard.
- VI. GAS
 - There is a 2" gas main running north and south in 11th Street which feeds the building
- VII. WATER
 - There is a 36" water main in Oberlin Ave. and a 6" water main in Yale Boulevard. There is a 4" service from the 6" line in Yale Boulevard that serves the building.
- VIII. DETENTION
 - The detention storage would be connected to a Sangamon County Water Reclamation District combined sewer system so there would be a requirement for the 100-year frequency flood event to be released at the 10-year frequency discharge rate. Underground storage systems would need to be protected against potential groundwater infiltration to the system.

IX. UNDERMINING

- The school property is located in an underground mine region.

X. EXTERNAL FLOOD

- The school property is not depicted in a special flood hazard area on a Flood Insurance Rate Map as there is not special flood hazard area in the vicinity of the school.



HP-4

AERIAL 2018-10-16



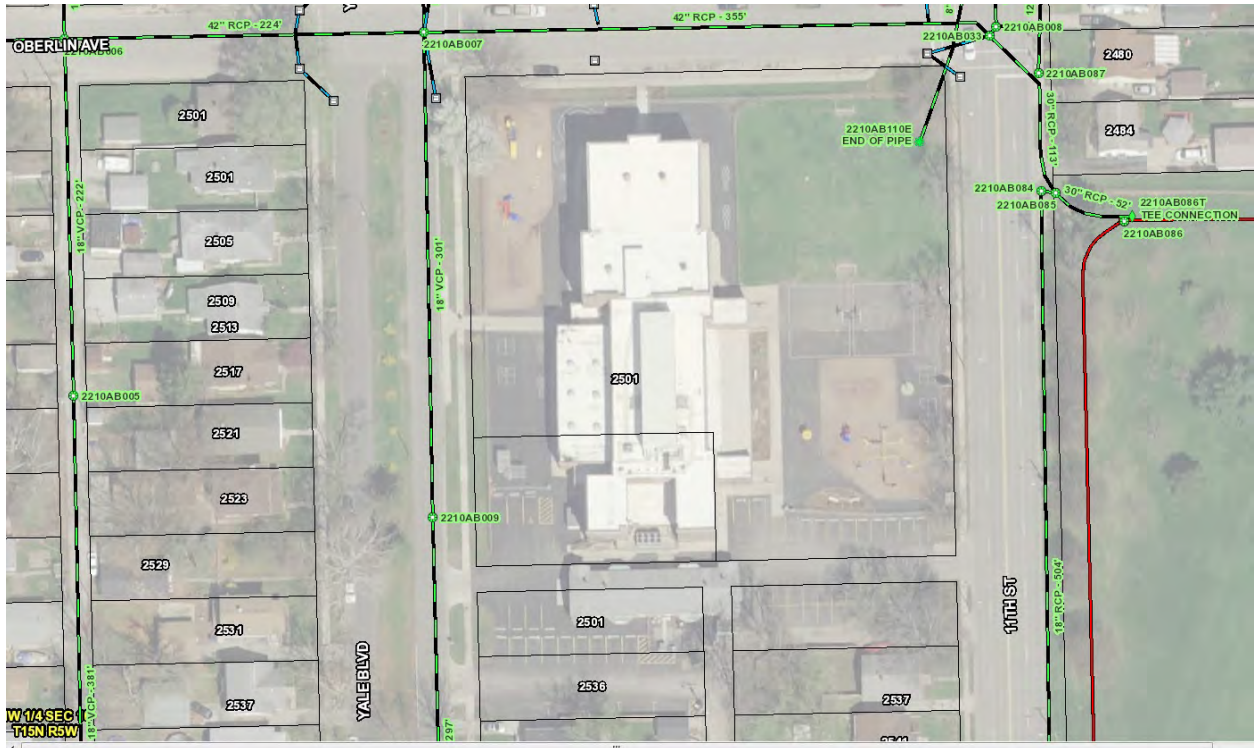
PARCELS

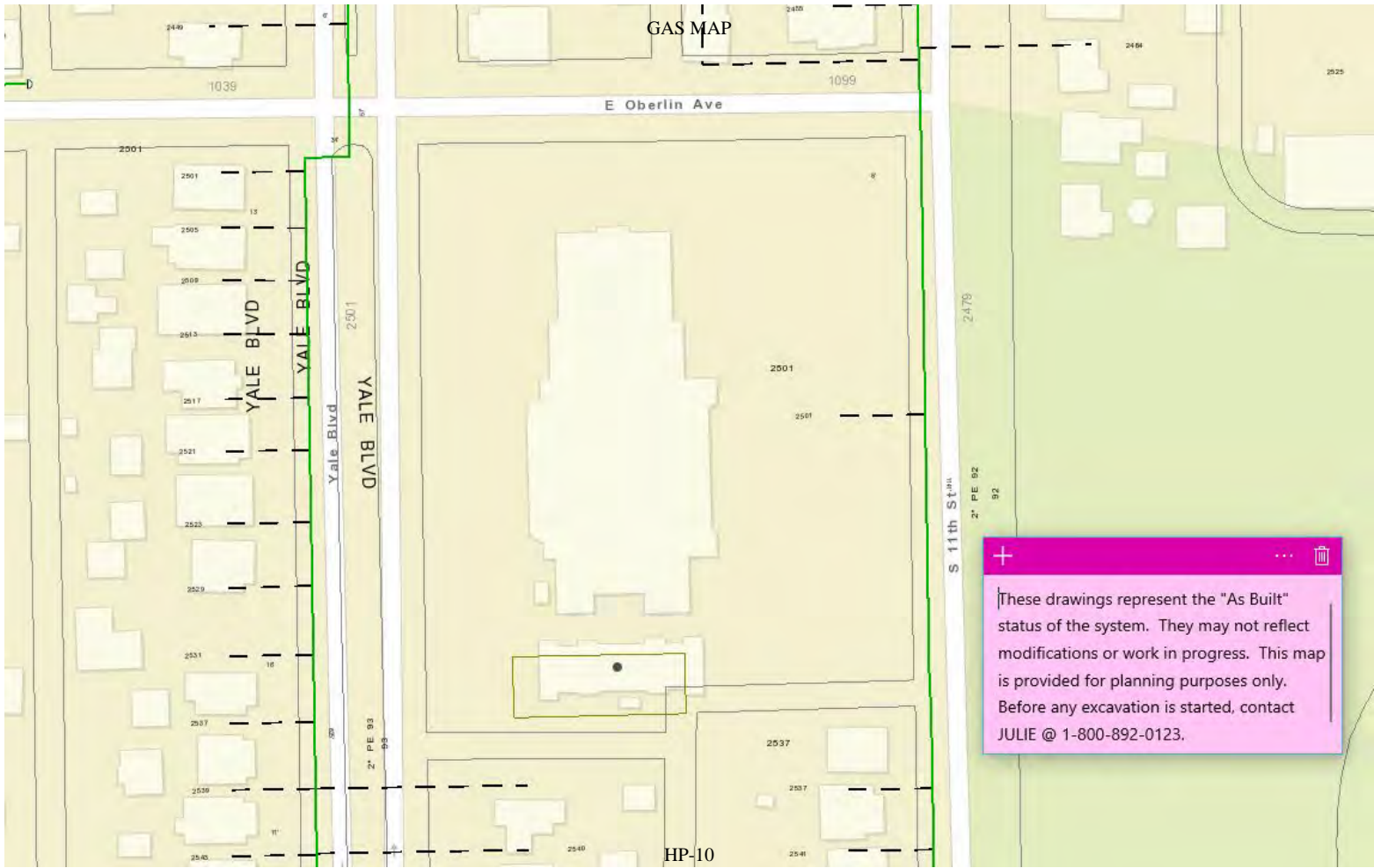


2007 CONTOURS



SEWER MAP





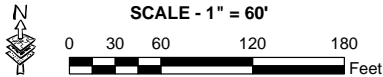
WATER MAP



Harvard Park Elementary School
CWLP Water Utility Map
October, 2019

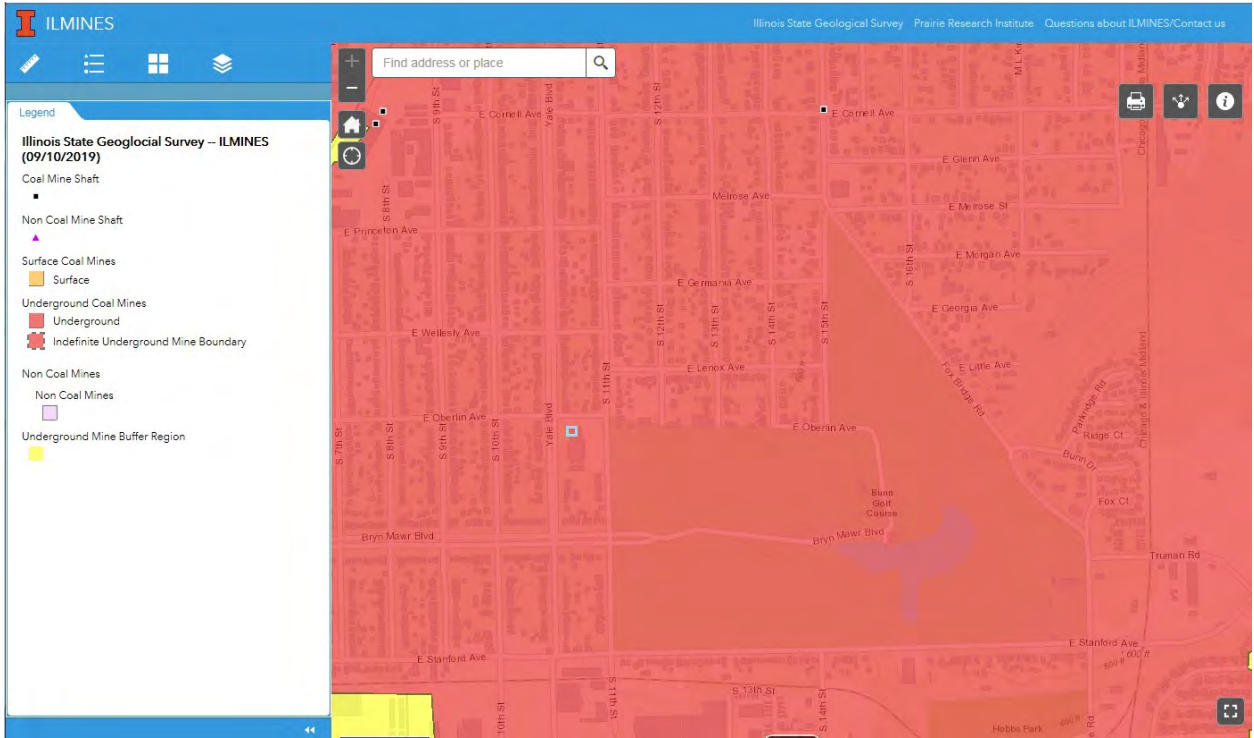
FOR REFERENCE PURPOSES ONLY
THE FINAL JUDGEMENT OF SUITABILITY
FOR ANY SPECIFIC APPLICATION IS THE
SOLE RESPONSIBILITY OF THE END USER

2019 City of Springfield, IL



HP-11

UNDERGROUND MINE MAP





DISTRICT 186
SPRINGFIELD PUBLIC SCHOOLS

TRANSFER PACKAGE #6

- 6.1** FAIRVIEW ELEMENTARY
- 6.2** BLACK HAWK ELEMENTARY
- 6.3** SANDBURG ELEMENTARY

**OUR SCHOOLS
OUR FUTURE**

FACILITIES MASTER PLAN, PHASE 1 2020

PROJECT MANAGEMENT TEAM

BLDD Architects

IDG Architects

O'Shea Builders

CJP Architects

Vasconcelles Engineering

Hanson Engineering

CONTENTS

6.1 Fairview Elementary

Project Summary	6.1-2
Building Programs	6.1-3
Project Budget	6.1-5
Design Intent	
Design & Scope Diagrams	6.1-6
HPD/IDNR Plan	6.1-8
Project Schedule	6.1-9
Existing Conditions	
Floor Plans	6.1-10
Site Plans	6.1-11
Site Assessment	6.1-12

6.2 Black Hawk Elementary

Project Summary	6.2-2
Building Programs	6.2-3
Project Budget	6.2-5
Design Intent	
Design & Scope Diagrams	6.2-6
HPD/IDNR Plan	6.2-8
Project Schedule	6.2-9
Existing Conditions	
Floor Plans	6.2-10
Site Plans	6.2-11
Site Assessment	6.2-12

6.3 Sandburg Elementary

Project Summary	6.3-2
Building Program	6.3-3
Project Budget	6.3-5
Design Intent	
Design & Scope Diagrams	6.3-6
HPD/IDNR Plan	6.3-8
Project Schedule	6.3-9
Existing Conditions	
Floor Plans	6.3-10
Site Plans	6.3-11
Site Assessment	6.3-12



FAIRVIEW ELEMENTARY SCHOOL

PROJECT SUMMARY 6.1

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

FAIRVIEW ELEMENTARY SCHOOL

Grades: K-5 Enrollment: 264 No. of strands: 2
Address: 2200 E. Ridgely Ave. Springfield, IL 62702
Year of original construction: 1952
Building additions: 1955, 1959

Phase 1 Design Objectives

- Create an addition to accommodate programs currently housed in temporary structures
- Accommodate K-5 special-education population on site
- Create a secure entry and building administration and reception areas
- Provide media and collaboration space
- Zone the building to have a primary and intermediate zone separated by shared resources and building administration
- Allow for future expansion

Site

- Replace displaced paved play areas
- Join addition to play areas and existing walkways on an accessible path

Building Construction

- Provide similar aesthetic to existing Fairview building
- Match existing masonry construction with additions
- Match existing floor, paint, and ceiling finishes with products from the district standards
- Provide signage and wayfinding
- Extend flooring, paint patterns and schemes, ceilings, and other finishes with products matching or complementary products from the district standards

MEP

- Extend existing electrical service to a sub panel for distribution to additions
- Extend current HVAC systems and provide air conditioning to new areas via standalone systems
- Extend Fire Alarm, Fire Protection

Technology

- Extend existing security, data networks, Wi-Fi network, telecom, bell and paging systems

Construction Delivery Method

- This project is to be constructed via Design-Bid-Build.

BUILDING PROGRAM (FULL) 6.1

Fairview Elementary School	Sq Ft	QTY	Total Sq Ft	Number of Usable Existing Spaces Available	Number of Spaces Deficient	New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	New Spaces Required Phase 2	Phase 2 Area (sf) of New Space Required	COMMENTS
CORE EDUCATIONAL ENVIRONMENTS (CLASSROOMS)													
Classroom- Kindergarten Classroom	1050	2	2100	2									
Kindergarten Toilet (adjacent to classroom)	45	2	90	2									
Classroom- First Grade	900	2	1800	2									
First Grade Toilet (adjacent to classroom)	45	2	90	1	1								
Classroom- Second Grade	900	2	1800	2									
Classroom- Third Grade	900	2	1800	2									
Classroom- Fourth Grade	900	2	1800	2									
Classroom- Fifth Grade	900	2	1800	2									
Reading Classroom	500	1	500	1									
Literacy Classroom	300	1	300	1									
ESL (English as a Second Language) Classroom	400	1	400	0	1								Not required at this school per District.
FINE AND APPLIED ARTS/ PERFORMANCE SPACES													
Art Studio	900	1	900	0	1			1	900	X			
Art Storage	150	1	150	0	1			1	190	X			
Music Room	900	1	900	0	1	1	900			X			
Music Storage	200	1	200	0	1	1	200			X			
Auditorium with Stage (Small)	800	1	800	1									
MEDIA CENTER/ LIBRARY SERVICES/ DISTANCE LEARNING LABS													
Media Center/ Library	1400	1	1400	1		1	1220			X			Built new as existing was repurposed for offices.
Media Center/ Library Storage	200	1	200	1									
Media Center/ Library Office	100	1	100	1									
Media Center/ Library Workroom	150	1	150	1									
Technology/IT Storage	200	1	200	1									
PHYSICAL EDUCATION/ ATHLETIC FACILITIES (INSIDE AND OUTSIDE, SUPPORT SPACES FOR COACHES/ PE GYMNASIUM)													
PE Gymnasium	6000	1	6000	0	1						X	6000	
Physical Education Storage- Indoor equipment	400	1	400	0	1						X	400	
Physical Education Office	120	1	120	0	1						X	120	
SPACES FOR STUDENTS WITH SPECIAL NEEDS (CLASSROOMS, SMALL LEARNING AREAS)													
Special Education- Large Classroom	500	2	1000	2									Existing space redesigned to meet program need. Additional resource room required by District.
Resource Room (Large)	300	2	600	2		2	560	1	480	X			
Speech Classroom	125	1	125	0	1			1	275	X			
Occupational and Physical Therapy Room	150	1	150	0	1			1	150	X			
Office- SSS (Student Support Services)	100	1	100	0	1			1	100	X			
Office- Children's MOSAIC Project (Community Social Work)	100	1	100	1				1	100	X			Existing space not adequate.
Special Needs Single User Toilet (Changing)	125	1	125	0	1	1	125	1	125	X			
RECEPTION/ LOBBY/ WELCOMING SPACE													
Lobby/Welcoming area	150	1	150	1									
Waiting Area	150	1	150	1									
Reception (General Office/Admin Assistant/Secretary)	350	1	350	1									
Secure Entry								1	140	X			Create Secure Entry
ADMINISTRATIVE SPACES (OFFICES, CONFERENCE ROOMS)													
Office- Principal	175	1	175	1									
Conference/ Meeting Room	175	1	175	0	1			1	170	X			
Work Room- Administrative	200	1	200	1									
Storage- Secure File	100	1	100	1									
Storage- General Administrative	100	1	100	1				1	120	X			
Faculty Dedicated Single User Toilet (office area)	75	1	75	1									
Office- General (Admin / PA / Intern / Other)	100	1	100	1									
Office- Social Worker	125	1	125	1				1	100	X			
FACULTY SUPPORT/ WORK SPACES													
Faculty Work Room (Large)	500	1	500	0	1			1	240	X			
Faculty Lounge Room (Large)	350	1	350	1				1	415	X			
Faculty Dedicated Single User Toilet	75	2	150	1	1								
Storage (Books)	200	1	200	1									
Conference/Meeting Room	500	1	500	0	1	1	350			X			
HEALTH SERVICES													
Nurse Office	100	1	100	1									
Nurse (cot/bed space)	80	1	80	1									
Nurse Storage	8	1	8	0	1								
Nurse Dedicated Single User Toilet	75	1	75	1									
Health Services Space (vision/hearing)	10	1	10	0	1								
DINING AND FOOD SERVICE													
Multi-Purpose/Cafeteria Commons	2500	1	2500	1									
Multi-Purpose/Cafeteria Commons Storage	200	1	200	1									
Food Service Kitchen	1500	1	1500	1									
Food Service Storage	350	1	350	1									
Receiving	50	1	50	0	1			1	100	X			
COMMUNITY SPACES													
Multi-Purpose/ Community Room (Small)	400	1	400	0	1						X	400	
Office- Parent Educator	100	1	100	0	1			1	100	X			
Project SCOPE- After-School Program Storage	200	2	400	2									
F.A.C.E Family and Community Engagement- Storage	200	1	200	0	1						X	200	
BUILDING SERVICES/ FACILITIES MANAGEMENT													
Custodians' Closets	25	2	50	2									
Maintenance Central Storage	300	1	300	1									
Maintenance/Custodians' Office	100	1	100	1									
Laundry Room	100	1	100	0	1	1	100			X			
OTHER													
Toilet- Men	350	2	700	2									
Toilet- Women	350	2	700	2									
District 186 Description of Work:			Subtotal				3,455					7,120	
4 CR Addition to Replace Modulars	Efficiency Factor	0.776	Total New Space at 77.6% Efficiency				4,455		3,705			9,181	

BUILDING PROGRAM (PHASE 1) 6.1

Fairview Elementary School				New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	COMMENTS
	Sq Ft	QTY	Total Sq Ft						
Art Studio	900	1	900			1	900	X	
Art Storage	150	1	150			1	190	X	
Music Room	900	1	900	1	900			X	
Music Storage	200	1	200	1	200			X	
Media Center/ Library	1400	1	1400	1	1220			X	Built new as existing was repurposed for offices.
Resource Room (Large)	300	2	600	2	560	1	480	X	Existing space redesigned to meet program need. Additional resource room required by District.
Speech Classroom	125	1	125			1	275	X	
Occupational and Physical Therapy Room	150	1	150			1	150	X	
Office- SSS (Student Support Services)	100	1	100			1	100	X	
Office- Children's MOSAIC Project (Community Social Work)	100	1	100			1	100	X	Existing space not adequate.
Special Needs Single User Toilet (Changing)	125	1	125	1	125	1	125	X	
Secure Entry						1	140	X	Create Secure Entry Modification
Conference/ Meeting Room	175	1	175			1	170	X	
Storage- General Administrative	100	1	100			1	120	X	
Office- Social Worker	125	1	125			1	100	X	
Faculty Work Room (Large)	500	1	500			1	240	X	
Faculty Lounge Room (Large)	350	1	350			1	415	X	
Conference/Meeting Room	500	1	500	1	350			X	
Receiving	50	1	50			1	100	X	
Office- Parent Educator	100	1	100			1	100	X	
Laundry Room	100	1	100	1	100			X	
District 186 Description of Work:			Subtotal		3,455				
4 CR Addition to Replace Modulars	Efficiency Factor	0.776	Total New Space at 77.6% Efficiency		4,455		3,705		

PROJECT BUDGET 6.1

Fairview Elementary School Springfield School District 186

December 2, 2019

CONSTRUCTION BUDGET			\$2,172,920
BUILDING			\$1,913,497
Addition	4,455 sf	\$1,394,280.27	
Renovation	3,703 sf	\$519,217.00	
CONTINGENCY			\$259,422
Design Contingency	5%	\$95,675	
Bid Contingency	5%	\$100,459	
Construction Contingency	3%	\$63,289	

SOFT COSTS			\$249,120
SITE ACQUISITION AND EVALUATION			\$13,000
Land Purchase			
Topographical Survey		\$6,500	
Geotechnical Survey		\$6,500	
FEES AND SERVICES			\$180,725
Architect/ Engineering Design Fees	8.03%	\$164,321	
Interior Design Fees		\$3,500	
Food Service Consultant			
Theater, Lighting & Rigging Design Consultant			
Acoustical/Audio/Video Design Consultant			
Technology Design Services		\$2,040	
Reimbursable Expenses		\$10,865	
OTHER COSTS			\$55,395
Technology, Telecom, Security		\$20,395	
Furnishings, Fixtures, Equipment		\$35,000	

PROJECT BUDGET

\$2,422,040

DESIGN DIAGRAM 6.1

10/31/2019

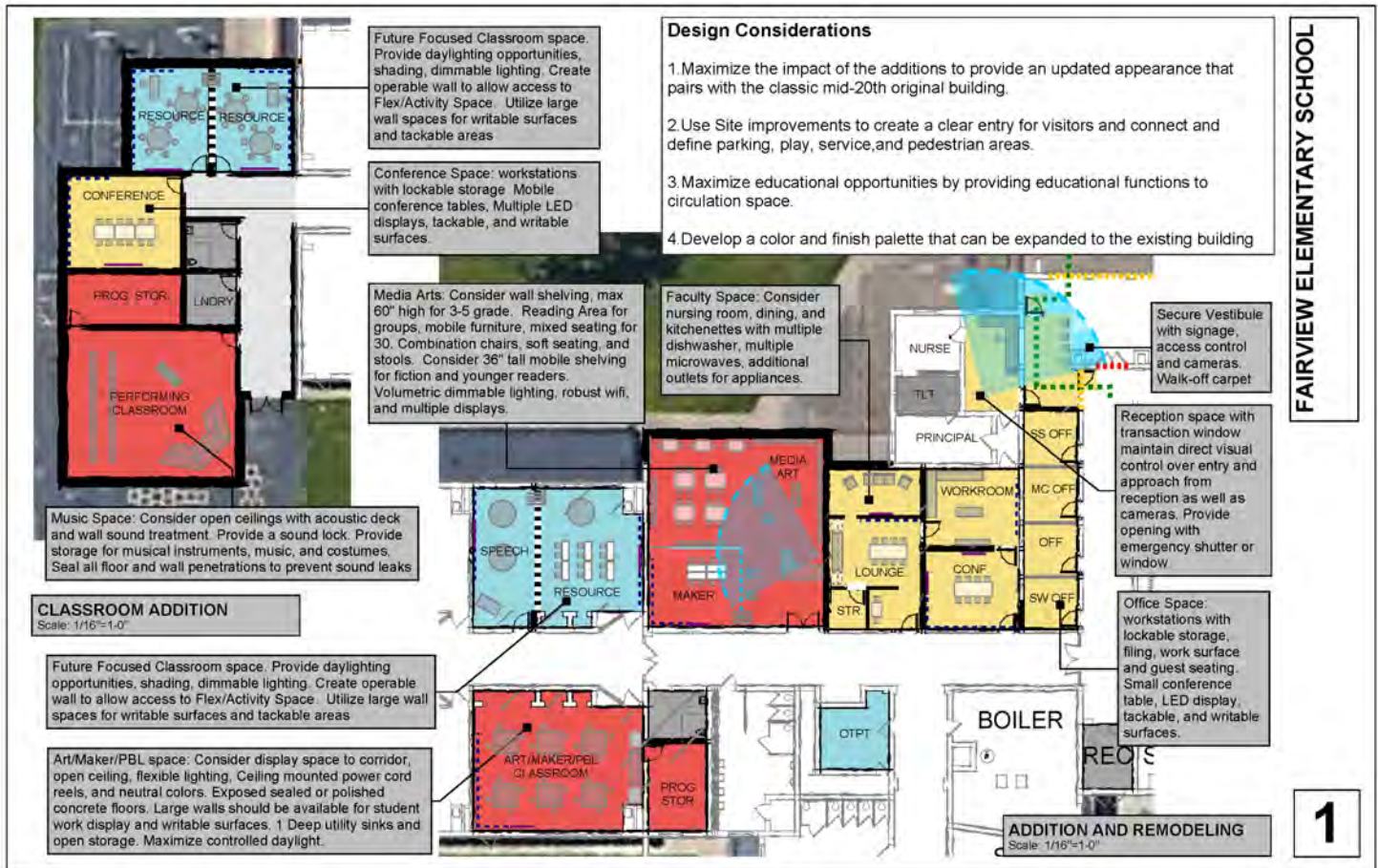


FAIRVIEW ELEMENTARY SCHOOL
2200 E RIDGELY AVE

FLOOR PLAN
SCALE: 1" = 50'-0"



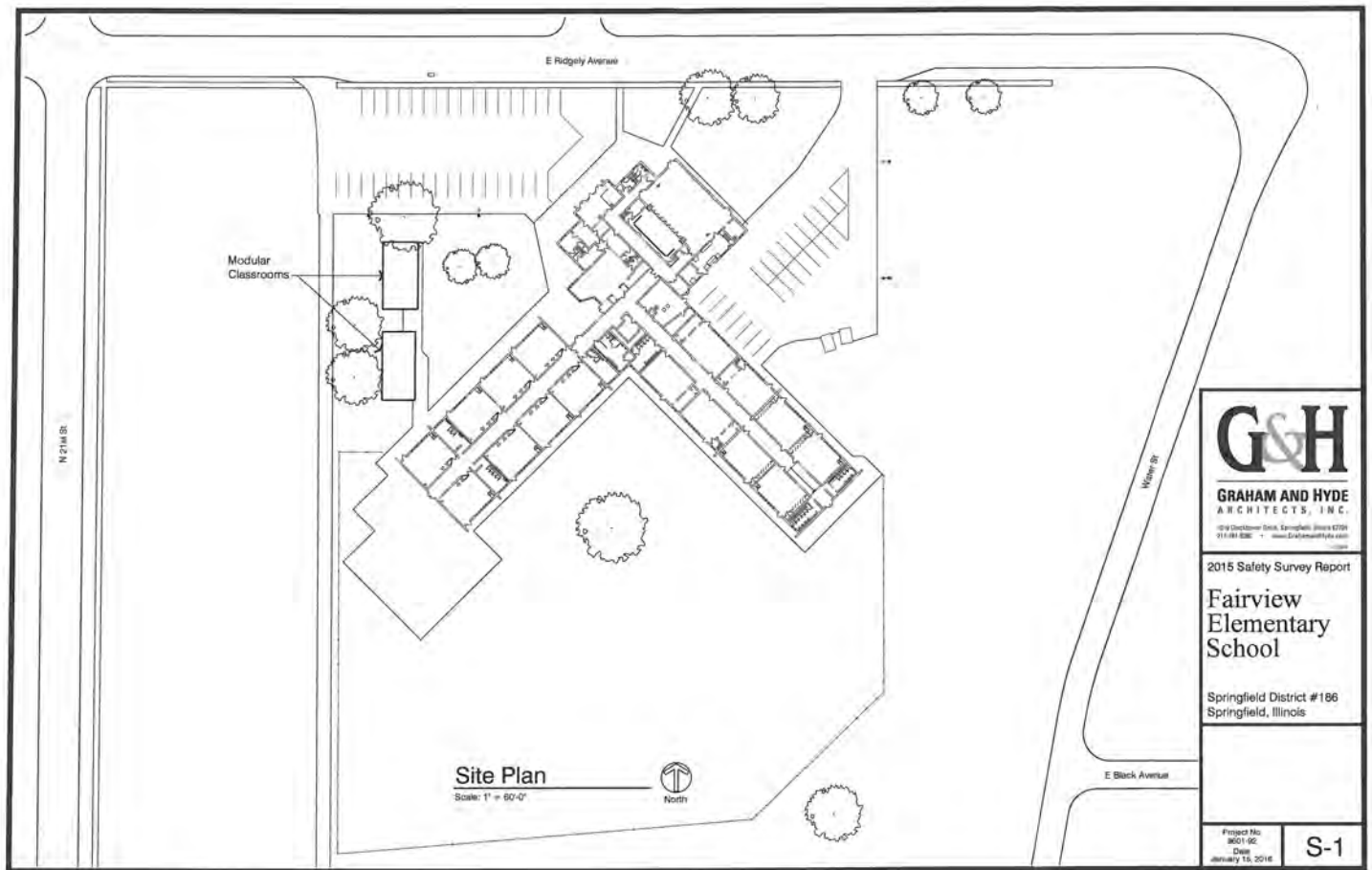
SCOPE DIAGRAM 6.1



FAIRVIEW ELEMENTARY SCHOOL

NOT APPLICABLE FOR
FAIRVIEW ELEMENTARY

EXISTING CONDITIONS: SITE PLAN 6.1



SPRINGFIELD
DISTRICT 186 SCHOOLS
FAIRVIEW
SITE ASSESSMENT
OCTOBER 2019

FAIRVIEW ELEMENTARY SCHOOL

I. GENERAL

- The proposed addition replaces asphalt playground and grass surface with building.
- The temporary buildings will be removed.
- An e-mail from the Illinois Department of Natural Resources, noted their review of the Illinois Natural Heritage Database contained no record of State-listed threatened or endangered species, natural area inventory sites, nature preserves, or land and water reserves in the vicinity of this school.
- Vasconcelles Engineering Corporation (VEC) submitted a letter to the Illinois Historic Preservation Agency (IHPA) on September 18, 2019. As of October 24, 2019, we have not received any correspondence. (see attached letter)

II. ZONING

- The zoning for Fairview Elementary School is R-2. All of the surrounding parcels are also zoned R-2.
- Front yard setback = 25'; side yard setback = 3', total of both side yards has to equal 10'; rear yard = 20'.

III. DRAINAGE

- Drainage of the area is generally away from the building toward the streets that surround the school. Inlets were noted on the south side of East Ridgely Avenue.

IV. SEWERS

- There is a 12" sanitary sewer line running east and west in East Ridgely Avenue and a 12" sanitary sewer line running north and south in the alley east of the homes along North 21st Street. There is a storm sewer line running east and west in East Ridgely Avenue and in the southern portion of the property.

V. ELECTRIC

- Electric service for the main school building is from the northeast in East Ridgely Avenue and for the temporary buildings appears is from the west in the line in the alley east of the homes along North 21st Street. There are also additional electric lines in those locations.

VI. GAS

- There is a 4" gas main running east and west in East Ridgely Avenue.

VII. WATER

- There is a 6" water main running east and west in East Ridgely Avenue and a 6" main that services the school.

VIII. DETENTION

- If the outlet system from the detention storage is connected to a storm sewer system or a waterway, the proposed condition 10-year and 100-year frequency release rates are typically required to be no greater than the existing condition 10-year and 100-year frequency flow rates to the storm sewer or waterway.

IX. UNDERMINING

- The school property is located in an underground mine buffer region.

X. EXTERNAL FLOOD

- The school property is not depicted in a special flood hazard area on a Flood Insurance Rate Map as there is not special flood hazard area in the vicinity of the school.

XI. GEOTHERMAL

- The geothermal field is located to the southeast of the school.



F-4

AERIAL 2018-10-16



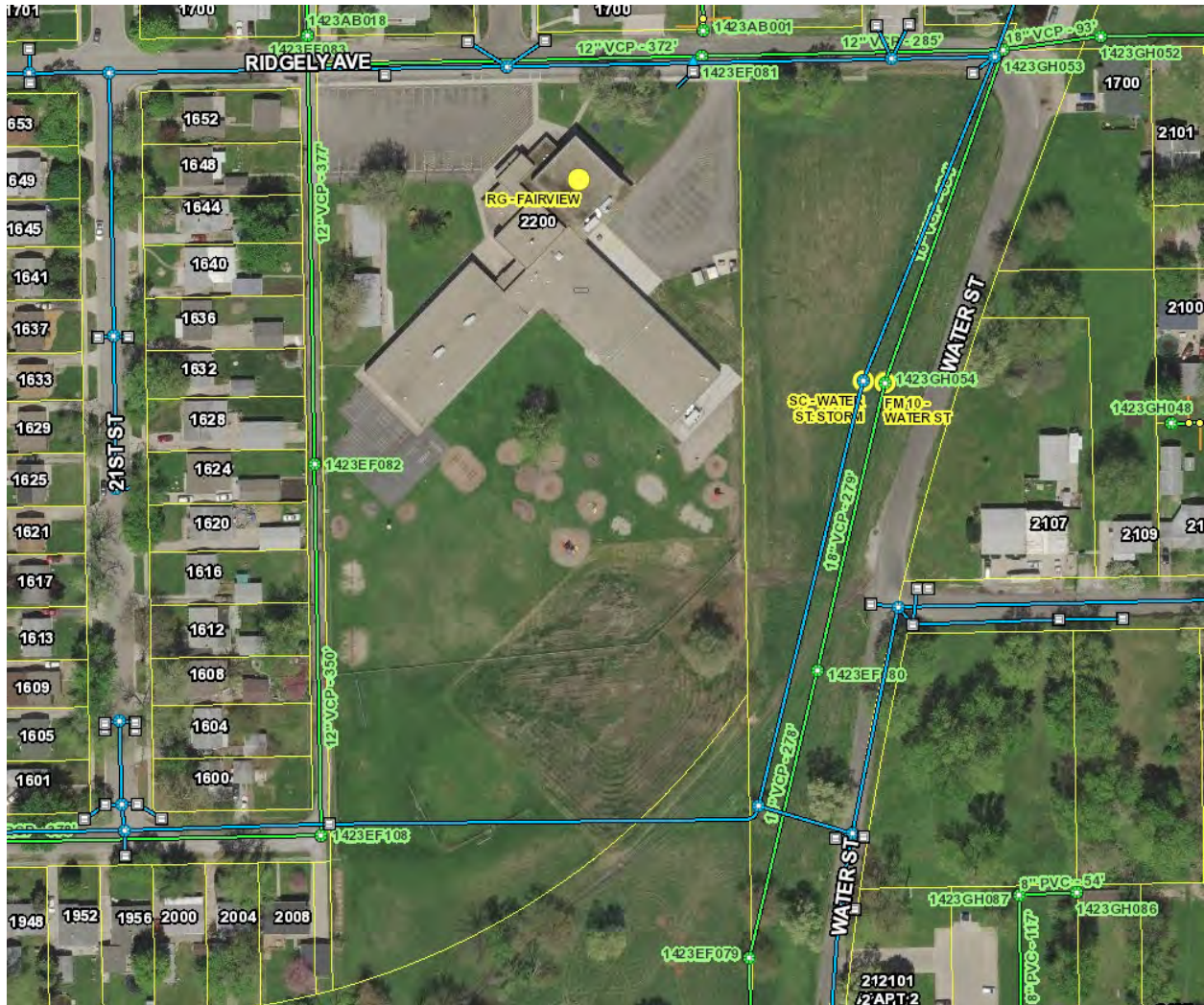
PARCELS



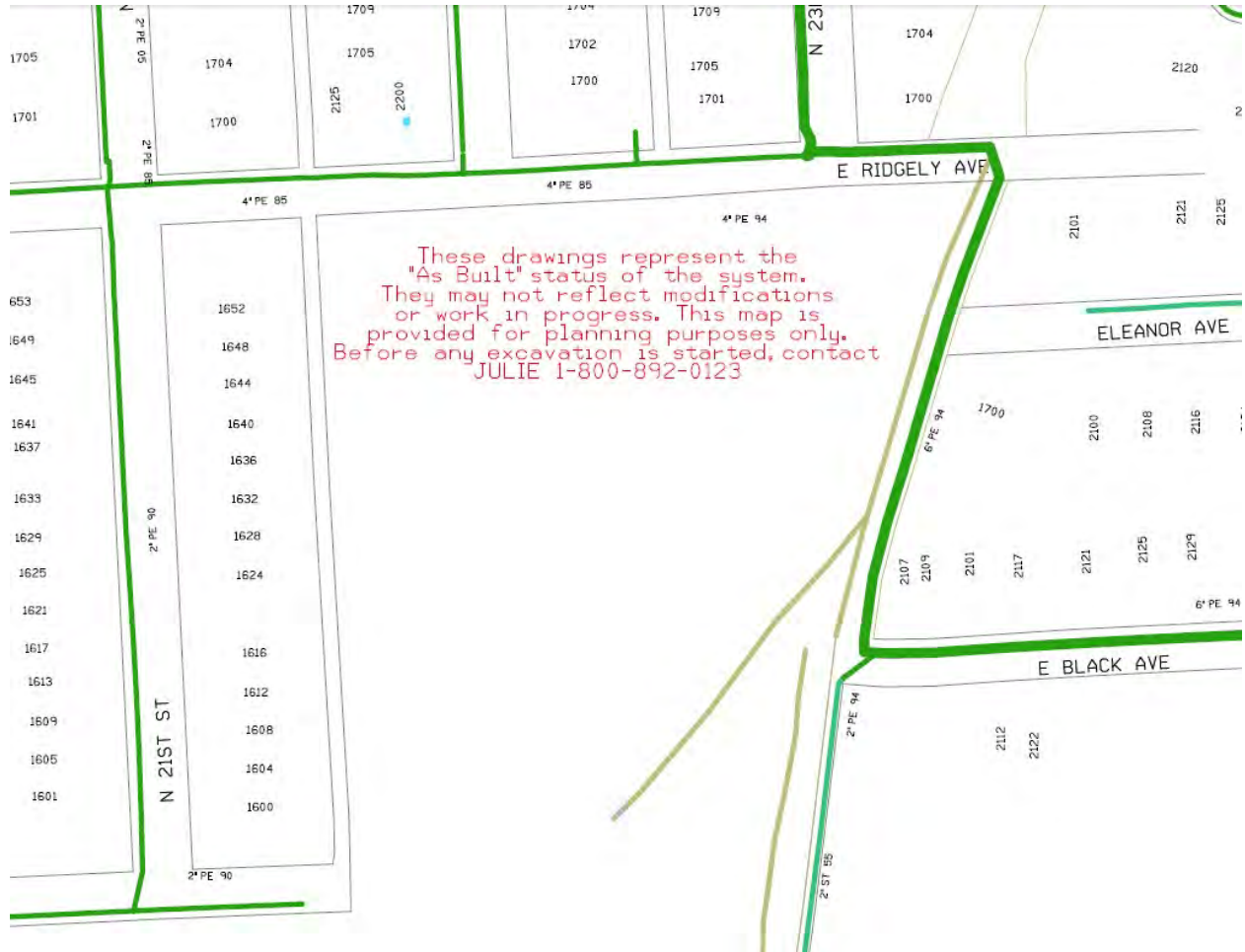
2007 CONTOURS



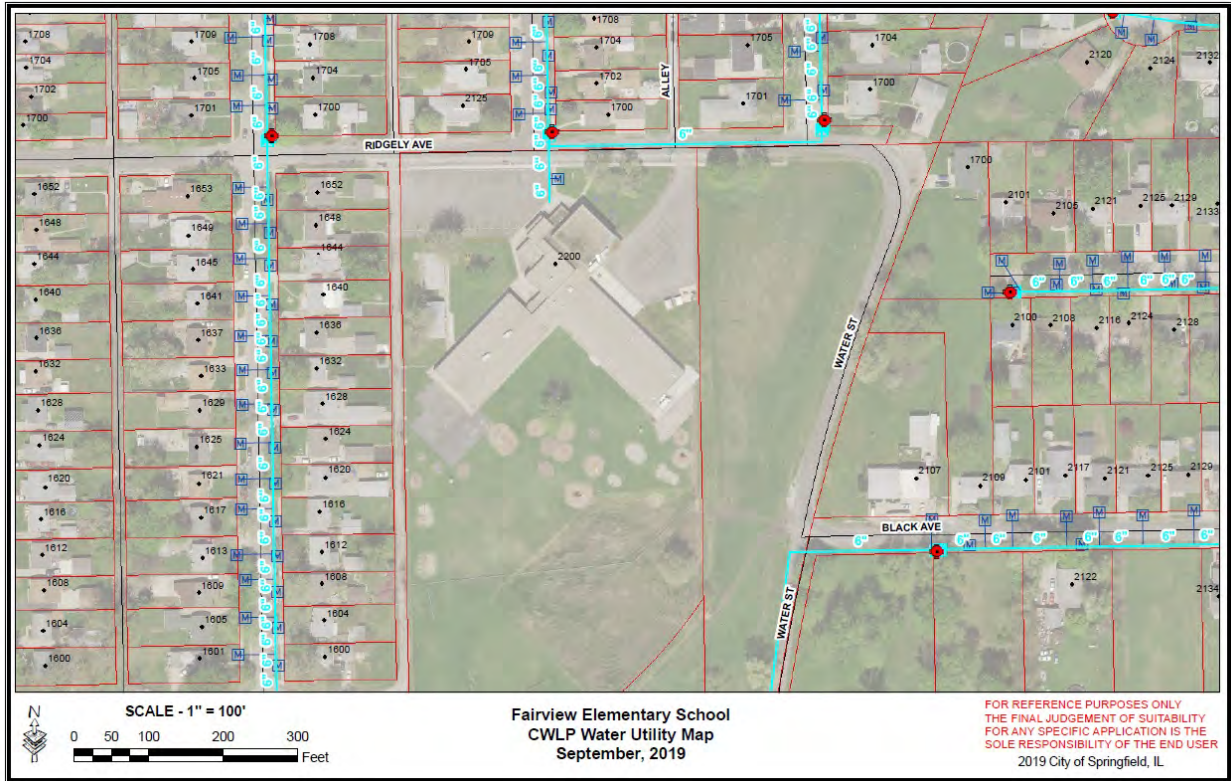
SEWER MAP



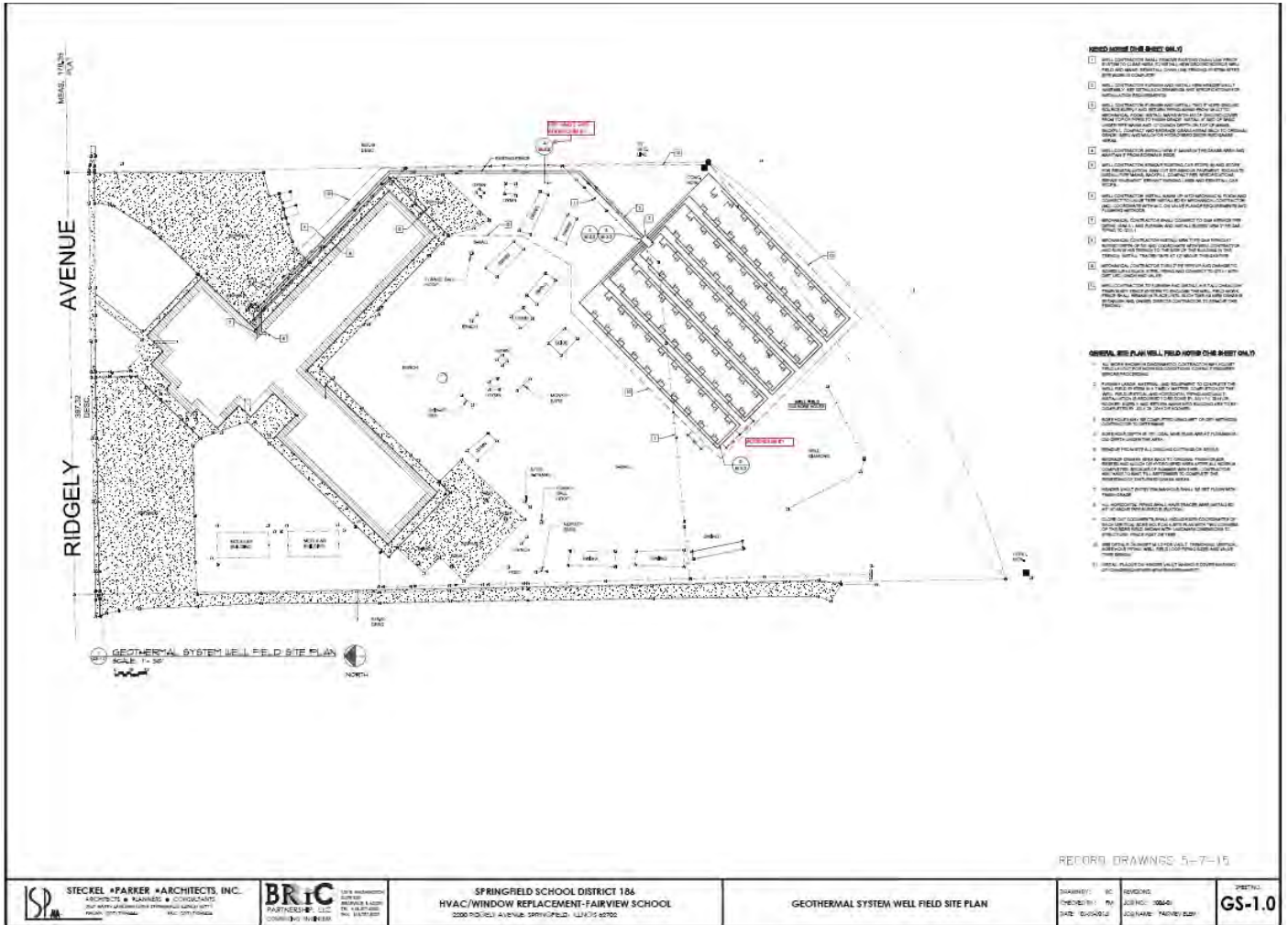
GAS MAP



WATER MAP



GEOHERMAL FIELD MAP



Applicant: Vasconcelles Engineering Corp
Contact: Steve Kuper
Address: 2417 West White Oaks Dr.
Springfield, IL 62704

IDNR Project Number: 2003205
Date: 09/26/2019

Project: Farview Elementary School
Address: 2200 East Ridgely Ave., Springfield

Description: Building Addition

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database contains no record of State-listed threatened or endangered species, Illinois Natural Area Inventory sites, dedicated Illinois Nature Preserves, or registered Land and Water Reserves in the vicinity of the project location.

Consultation is terminated. This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary. Termination does not imply IDNR's authorization or endorsement.

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Sangamon

Township, Range, Section:
16N, 5W, 23



IL Department of Natural Resources Contact

Brian Willard
217-785-5500
Division of Ecosystems & Environment

Government Jurisdiction

IL Environmental Protection Agency
Amy L. Dragovich, P.E.
1021 North Grand Ave. East
P.O. Box 19276
Springfield, Illinois 62701

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.
2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.
3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

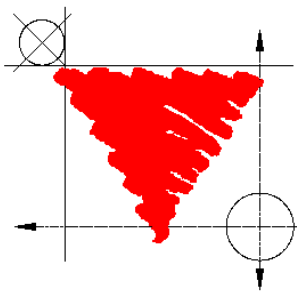
Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.



vasconcelles

engineering corporation

Principals

James Vasconcelles
Mark Vasconcelles, P.E.
Shayla Pfaffe, P.L.S.
Trent Dalton
Steve Kuper
Wendi Wallner

September 18, 2019

Anne E. Haaker
Illinois Historic Preservation Agency
1 Old State Capitol Plaza
Springfield, IL 62701

RE: Fairview Elementary School, Springfield, IL

Dear Ms. Haaker:

The Springfield Public Schools are planning to construct an addition to Fairview Elementary School, 2200 East Ridgley Avenue, Springfield, IL. Enclosed is a general location map to assist you in understanding the location of the proposed addition.

We will be filling out the Notice of Intent for the Illinois Environmental Protection Agency NPDES permit and wanted to consult your office in regards to Historic Preservation.

I am requesting your review of this information. If you have any questions or need additional information, please feel free to contact me.

Sincerely,

VASCONCELLES ENGINEERING CORPORATION

Steven D. Kuper

Enclosure

sdk
677-191

Consulting Engineers

Springfield Office
2417 West White
Oaks Drive
Springfield, IL 62704

217.698.3114
Fax 217-698-3115

1.800.727.4VEC

E-mail
vec@vasconcelles.com



BLACK HAWK ELEMENTARY SCHOOL

PROJECT SUMMARY 6.2

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

BLACK HAWK ELEMENTARY SCHOOL

Grades: K-5 Enrollment: 249 No. of strands: 2
Address: 2500 S. College St. Springfield, IL 62704
Year of original construction: 1956
Building addition: 1967

Phase 1 Design Objectives

- Create an addition to accommodate programs currently housed in temporary structures
- Accommodate K-5 Special Education population on site
- Create a secure entry and building administration and reception areas
- Develop an entry element to create an obvious main entry
- Create a Media and collaboration space
- Zone the building to have a primary and intermediate zone separated by shared resources and building administration
- Allow future expansion and connection to the ELC building next door

Site

- Replace Sidewalks to new entry
- Add additional on-site parking

Building Construction

- Provide similar aesthetic to existing Blackhawk building
- Match existing masonry construction with additions
- Match existing floor, paint, and ceiling finishes with products from the district standards
- Provide signage and wayfinding
- Extend flooring, paint patterns and schemes, ceilings, and other finishes with products matching or complementary products from the district standards

MEP

- Extend existing electrical service to a sub panel for distribution to additions
- Extend current HVAC systems and provide air conditioning to new areas via standalone systems
- Extend Fire Alarm, Fire Protection

Technology

- Extend existing security, data networks, Wi-Fi network, telecom, bell and paging systems

Construction Delivery Method

- This project is to be constructed via Design-Bid-Build.

BUILDING PROGRAM (FULL) 6.2

Fairview Elementary School	Sq Ft	QTY	Total Sq Ft	Number of Usable Existing Spaces Available	Number of Spaces Deficient	New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	New Spaces Required Phase 2	Phase 2 Area (sf) of New Space Required	COMMENTS
CORE EDUCATIONAL ENVIRONMENTS (CLASSROOMS)													
Classroom- Kindergarten Classroom	1050	2	2100	2									
Kindergarten Toilet (adjacent to classroom)	45	2	90	2									
Classroom- First Grade	900	2	1800	2									
First Grade Toilet (adjacent to classroom)	45	2	90	1	1								
Classroom- Second Grade	900	2	1800	2									
Classroom- Third Grade	900	2	1800	2									
Classroom- Fourth Grade	900	2	1800	2									
Classroom- Fifth Grade	900	2	1800	2									
Reading Classroom	500	1	500	1									
Literacy Classroom	300	1	300	1									
ESL (English as a Second Language) Classroom	400	1	400	0	1								Not required at this school per District.
FINE AND APPLIED ARTS/ PERFORMANCE SPACES													
Art Studio	900	1	900	0	1			1	900	X			
Art Storage	150	1	150	0	1			1	190	X			
Music Room	900	1	900	0	1	1	900			X			
Music Storage	200	1	200	0	1	1	200			X			
Auditorium with Stage (Small)	800	1	800	1									
MEDIA CENTER/ LIBRARY SERVICES/ DISTANCE LEARNING LABS													
Media Center/ Library	1400	1	1400	1		1	1220			X			Built new as existing was repurposed for offices.
Media Center/ Library Storage	200	1	200	1									
Media Center/ Library Office	100	1	100	1									
Media Center/ Library Workroom	150	1	150	1									
Technology/IT Storage	200	1	200	1									
PHYSICAL EDUCATION/ ATHLETIC FACILITIES (INSIDE AND OUTSIDE, SUPPORT SPACES FOR COACHES/ PE Gymnasium													
PE Gymnasium	6000	1	6000	0	1						X	6000	
Physical Education Storage- Indoor equipment	400	1	400	0	1						X	400	
Physical Education Office	120	1	120	0	1						X	120	
SPACES FOR STUDENTS WITH SPECIAL NEEDS (CLASSROOMS, SMALL LEARNING AREAS)													
Special Education- Large Classroom	500	2	1000	2									
Resource Room (Large)	300	2	600	2		2	560	1	480	X			Existing space redesigned to meet program need. Additional resource room required by District.
Speech Classroom	125	1	125	0	1			1	275	X			
Occupational and Physical Therapy Room	150	1	150	0	1			1	150	X			
Office- SSS (Student Support Services)	100	1	100	0	1			1	100	X			
Office- Children's MOSAIC Project (Community Social Work)	100	1	100	1				1	100	X			Existing space not adequate.
Special Needs Single User Toilet (Changing)	125	1	125	0	1	1	125	1	125	X			
RECEPTION/ LOBBY/ WELCOMING SPACE													
Lobby/Welcoming area	150	1	150	1									
Waiting Area	150	1	150	1									
Reception (General Office/Admin Assistant/Secretary)	350	1	350	1									
Secure Entry								1	140	X			Create Secure Entry
ADMINISTRATIVE SPACES (OFFICES, CONFERENCE ROOMS)													
Office- Principal	175	1	175	1									
Conference/ Meeting Room	175	1	175	0	1			1	170	X			
Work Room- Administrative	200	1	200	1									
Storage- Secure File	100	1	100	1									
Storage- General Administrative	100	1	100	1				1	120	X			
Faculty Dedicated Single User Toilet (office area)	75	1	75	1									
Office- General (Admin / PA / Intern / Other)	100	1	100	1									
Office- Social Worker	125	1	125	1				1	100	X			
FACULTY SUPPORT/ WORK SPACES													
Faculty Work Room (Large)	500	1	500	0	1			1	240	X			
Faculty Lounge Room (Large)	350	1	350	1				1	415	X			
Faculty Dedicated Single User Toilet	75	2	150	1	1								
Storage (Books)	200	1	200	1									
Conference/Meeting Room	500	1	500	0	1	1	350			X			
HEALTH SERVICES													
Nurse Office	100	1	100	1									
Nurse (cot/bed space)	80	1	80	1									
Nurse Storage	8	1	8	0	1								
Nurse Dedicated Single User Toilet	75	1	75	1									
Health Services Space (vision/hearing)	10	1	10	0	1								
DINING AND FOOD SERVICE													
Multi-Purpose/Cafeteria Commons	2500	1	2500	1									
Multi-Purpose/Cafeteria Commons Storage	200	1	200	1									
Food Service Kitchen	1500	1	1500	1									
Food Service Storage	350	1	350	1									
Receiving	50	1	50	0	1			1	100	X			
COMMUNITY SPACES													
Multi-Purpose/ Community Room (Small)	400	1	400	0	1						X	400	
Office- Parent Educator	100	1	100	0	1			1	100	X			
Project SCOPE- After-School Program Storage	200	2	400	2									
F.A.C.E Family and Community Engagement- Storage	200	1	200	0	1						X	200	
BUILDING SERVICES/ FACILITIES MANAGEMENT													
Custodians' Closets	25	2	50	2									
Maintenance Central Storage	300	1	300	1									
Maintenance/Custodians' Office	100	1	100	1									
Laundry Room	100	1	100	0	1	1	100			X			
OTHER													
Toilet- Men	350	2	700	2									
Toilet- Women	350	2	700	2									
District 186 Description of Work:			Subtotal				3,455					7,120	
4 CR Addition to Replace Modulars	Efficiency Factor	0.776	Total New Space at 77.6% Efficiency				4,455		3,705			9,181	

BUILDING PROGRAM (PHASE 1) 6.2

Black Hawk Elementary School				New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	COMMENTS
	Sq Ft	QTY	Total Sq Ft						
Future Classroom - ELC				2	1800			X	Requested by the District for possible grant funding.
Classroom- Kindergarten Classroom	1050	2	2100	1	1000	1	1080	X	Kindergarten is relocated to original kindergarten location, new classroom constructed adjacent.
Reading Classroom	500	1	500			1	325	X	
Art Studio	900	1	900			1	900	X	Relocated to location shown.
Music Room	900	1	900	1	1260			X	
Media Center/ Library	1400	1	1400			1	900	X	Relocated to location shown.
Resource Room (Large)	300	2	600	1	485			X	
Special Needs Single User Toilet (Changing)	125	1	125	1	65			X	
Lobby/Welcoming area	150	1	150	1	50			X	DCEO Grant obtained to create controlled visitor entry vestibule.
Waiting Area	150	1	150	1	110			X	DCEO Grant obtained to create controlled visitor entrance.
Reception (General Office/Admin Assistant/Secretary)	350	1	350	1	100			X	
Office- Principal	175	1	175	1	120			X	
Conference/ Meeting Room	175	1	175	1	120			X	
Work Room- Administrative	200	1	200	1	175			X	
Office- General (Admin / PA / Intern / Other)	100	1	100			1	80	X	
Faculty Work Room (Large)	500	1	500			1	325	X	
Faculty Lounge Room (Large)	350	1	350			1	325	X	
Faculty Dedicated Single User Toilet	75	2	150			2	130	X	
Nurse Office	100	1	100	1	100			X	New office addition - existing office spaces repurposed.
Nurse Dedicated Single User Toilet	75	1	75	1	65			X	
District 186 Description of Work:			Subtotal		3,650		4,065	-	
4 CR Addition to Replace Modulars	Efficiency Factor	0.66	Total New Space at 65.9% Efficiency		5,538	0.97	4,065	-	

PROJECT BUDGET 6.2

Black Hawk Elementary School Springfield School District 186

December 2, 2019

CONSTRUCTION BUDGET			\$2,450,807
BUILDING			\$2,158,208
Addition	5,538 sf	\$1,589,034.03	
Renovation	4,170 sf	\$569,174.25	
CONTINGENCY			\$292,599
Design Contingency	5%	\$107,910	
Bid Contingency	5%	\$113,306	
Construction Contingency	3%	\$71,383	

SOFT COSTS			\$283,037
SITE ACQUISITION AND EVALUATION			\$12,000
Land Purchase			
Topographical Survey		\$6,000	
Geotechnical Survey		\$6,000	
FEES AND SERVICES			\$204,267
Architect/ Engineering Design Fees	8.03%	\$185,336	
Interior Design Fees		\$4,250	
Food Service Consultant			
Theater, Lighting & Rigging Design Consultant			
Acoustical/Audio/Video Design Consultant			
Technology Design Services		\$2,427	
Reimbursable Expenses		\$12,254	
OTHER COSTS			\$66,770
Technology, Telecom, Security		\$24,270	
Furnishings, Fixtures, Equipment		\$42,500	

PROJECT BUDGET

\$2,733,844

DESIGN DIAGRAM 6.2

10/31/2019

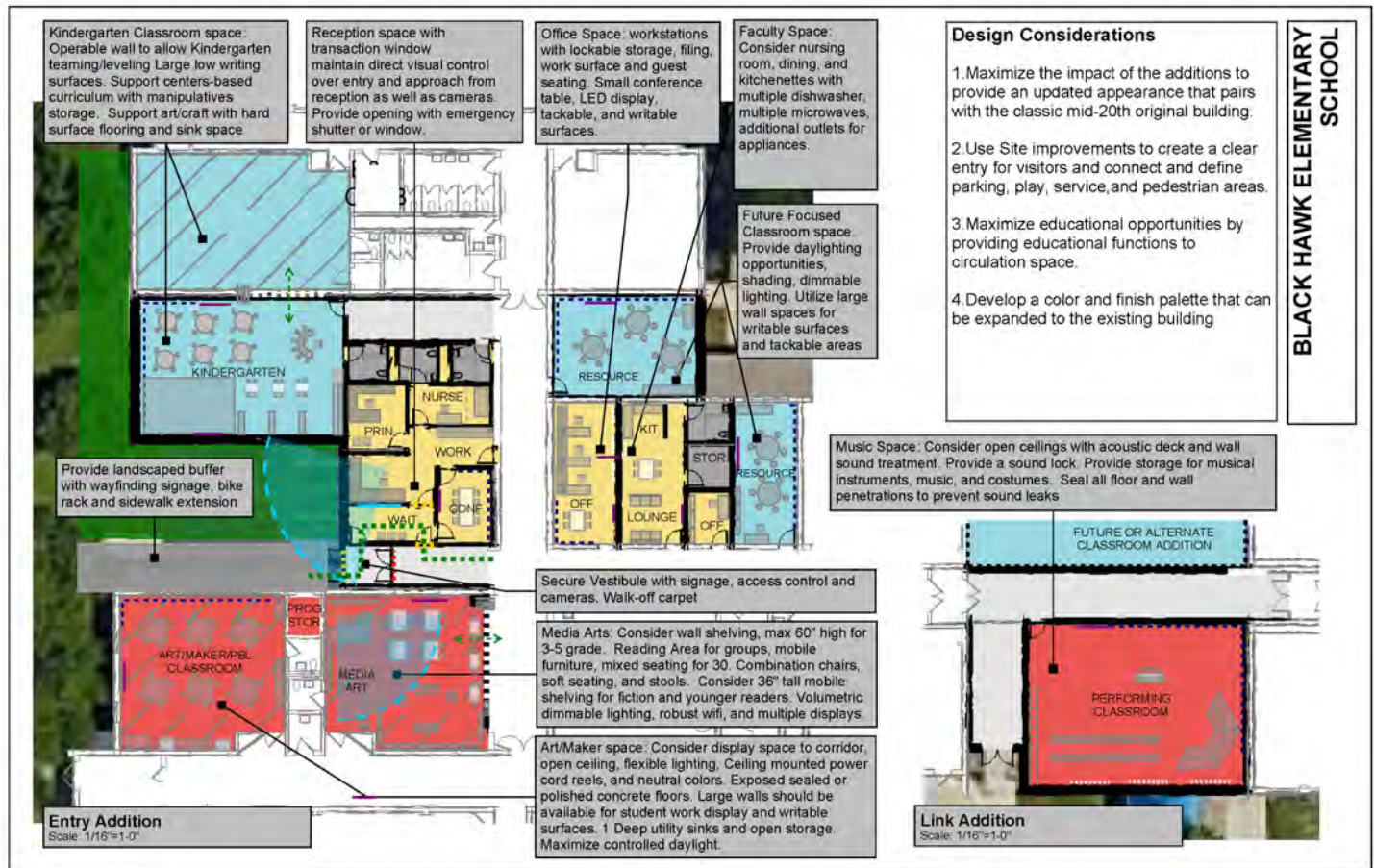


BLACK HAWK ELEMENTARY SCHOOL
2500 S COLLEGE ST

FLOOR PLAN
SCALE: 1" = 50'-0"



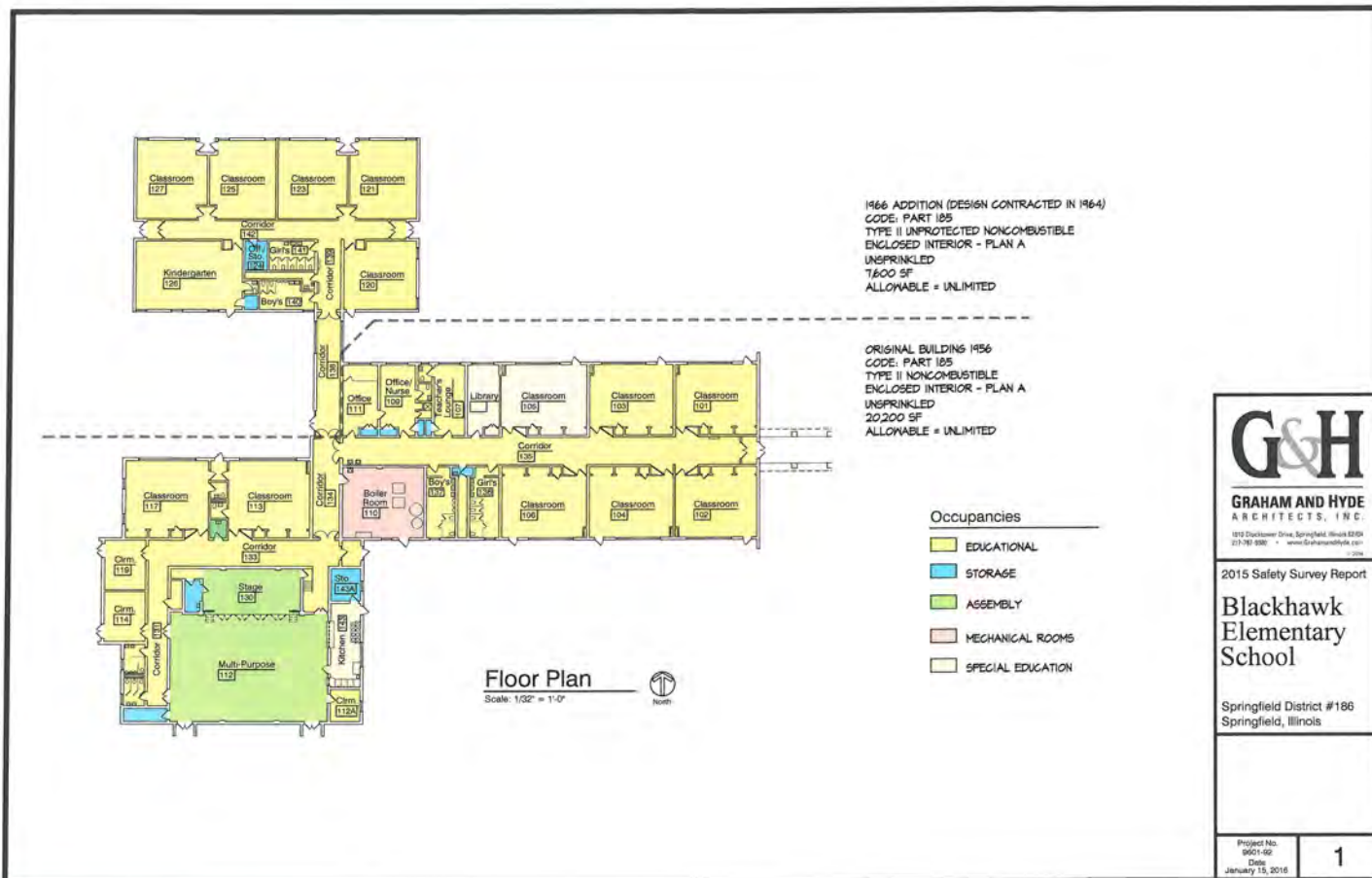
SCOPE DIAGRAM 6.2



HPD PLAN 6.2

NOT APPLICABLE FOR
BLACK HAWK ELEMENTARY

EXISTING CONDITIONS: FLOOR PLAN 6.2



G&H
GRAHAM AND HYDE
 ARCHITECTS, INC.
 1212 Eastlawn Drive, Springfield, Illinois 62761
 217-781-8800 • www.GrahamandHyde.com

2015 Safety Survey Report

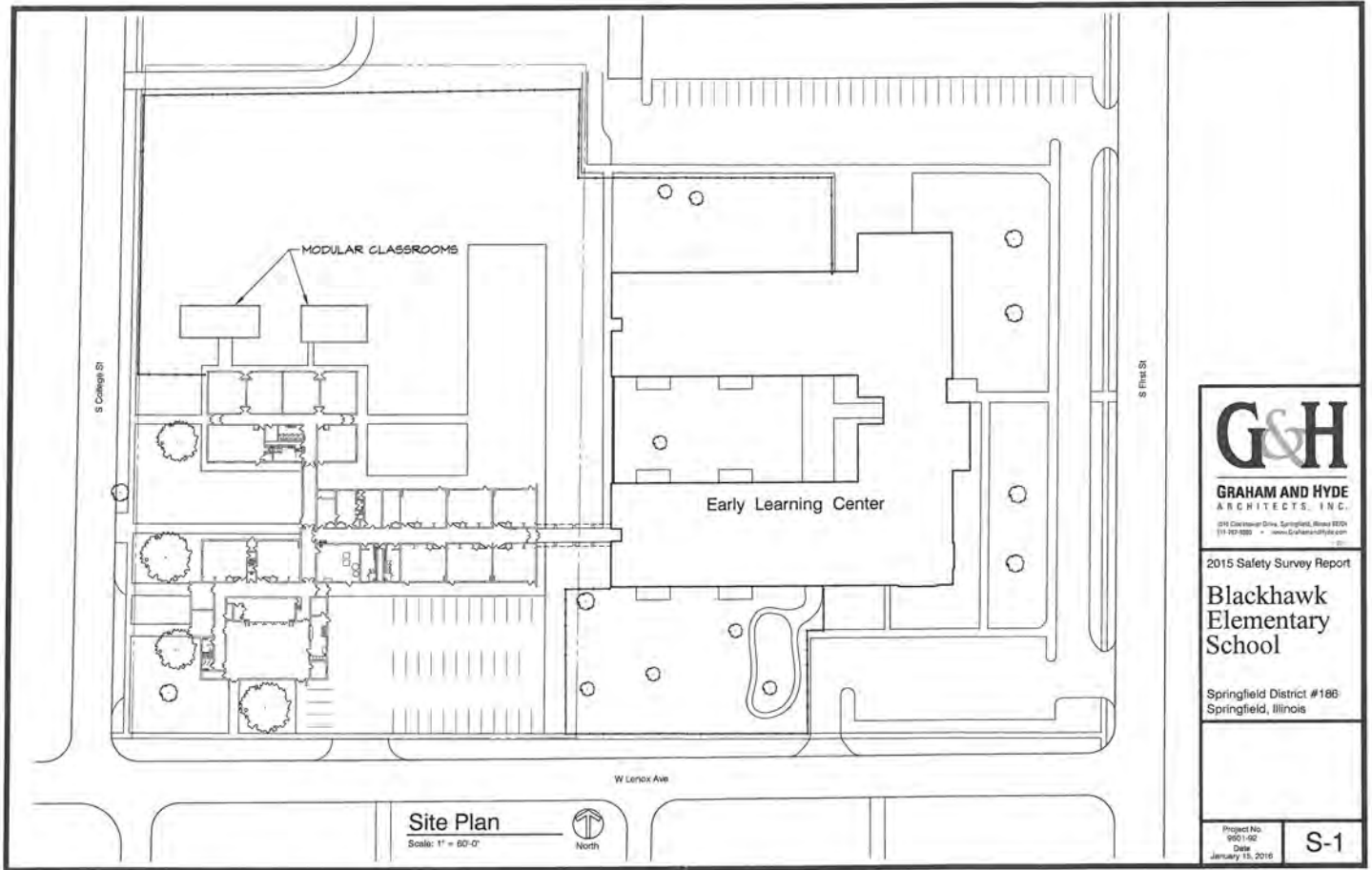
Blackhawk Elementary School

Springfield District #186
 Springfield, Illinois

Project No. 0901-02
 Date: January 15, 2016

1

EXISTING CONDITIONS: SITE PLAN 6.2



SPRINGFIELD
DISTRICT 186 SCHOOLS
BLACK HAWK
SITE ASSESSMENT
OCTOBER 2019

BLACK HAWK ELEMENTARY SCHOOL

I. GENERAL

- The proposed addition replaces concrete sidewalk, temporary buildings, and grass surface with building.
- The temporary buildings will be removed.
- Traffic flow patterns for student drop-off or pick-up should be assessed.
- An e-mail from the Illinois Department of Natural Resources (IDNR), noted their review of the Illinois Natural Heritage Database showed that the Mississippi Kite, a protected resource, may be in the vicinity of this school. Subsequently, a letter was provided from the IDNR that concluded that adverse effects are unlikely and that the consultation was valid for a period of two years.
- Vasconcelles Engineering Corporation (VEC) submitted a letter to the Illinois Historic Preservation Agency (IHPA) on October 23, 2019. (see attached letter)

II. ZONING

- The zoning for Black Hawk Elementary School is R-2. There are two adjacent properties to the north, 2420 South College Street is zoned R-2 and 2361 South Spring Street is zoned R-2. The Early Learning Center is located to the east and it is also zoned R-1
- Front yard setback = 25'; side yard setback = 3', total of both side yards has to equal 10'; rear yard = 20'.

III. DRAINAGE

- Drainage of the area is generally away from the building west toward South College Street, south toward West Lenox Avenue, and north. The early learning center ground is slightly higher in elevation than is Black Hawk School.

IV. SEWERS

- There is a 10" sanitary sewer line running north and south through the center of the lot and is currently under the building and one of the temporary buildings.
- There is also a storm sewer line running to the north from the north side of the building, adjacent to the sanitary sewer.

V. ELECTRIC

- Electric service is from the south and north.

VI. GAS

- There is a 2" main along the west side of College Street and a 6" main on the north side of Lenox Avenue.

VII. WATER

- Water service is from the main west of the school in College Street.

VIII. DETENTION

- If the outlet system from the detention storage is connected to a storm sewer system or a waterway, the proposed condition 10-year and 100-year frequency release rates are typically required to be no greater than the existing condition 10-

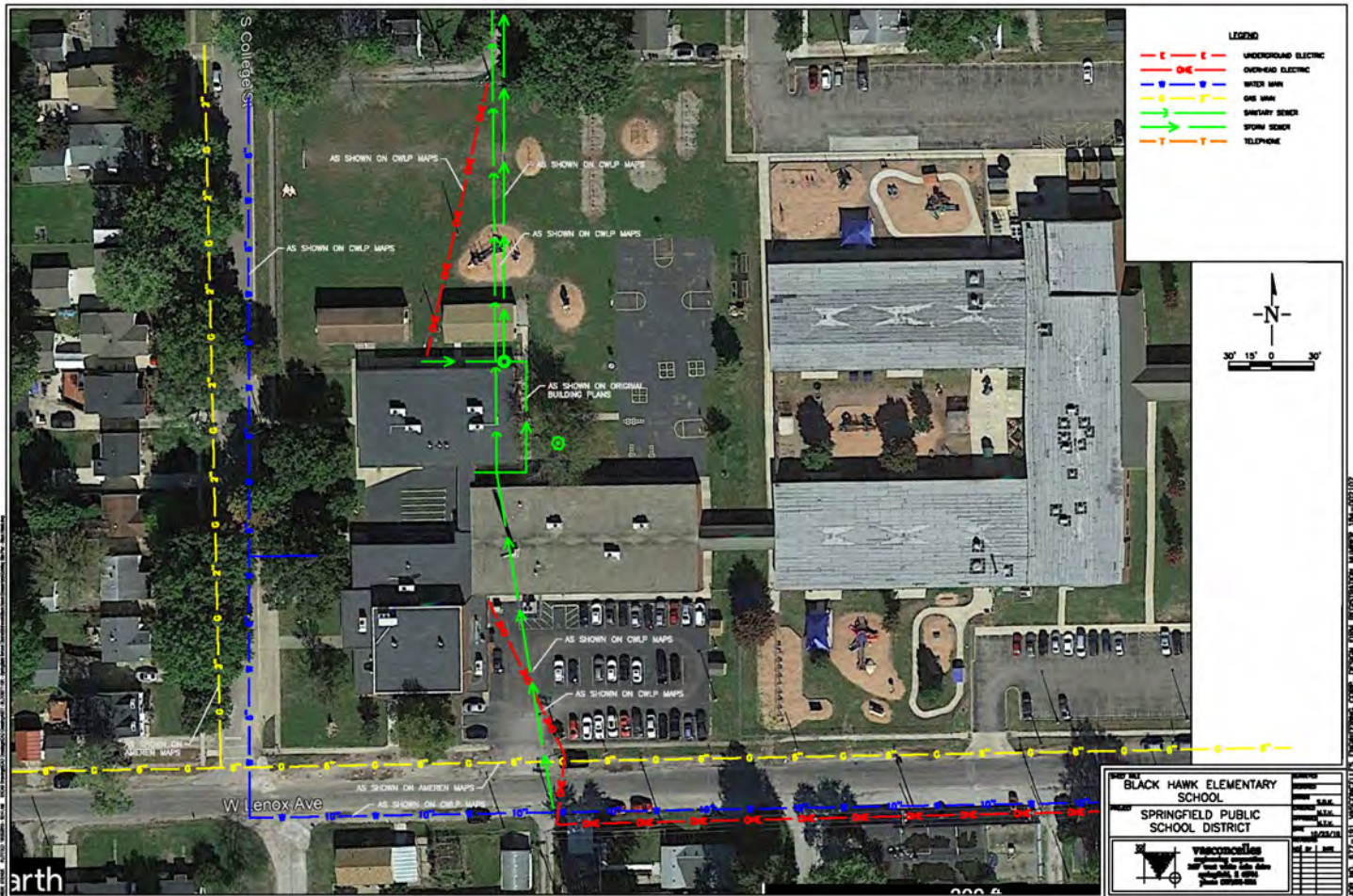
year and 100-year frequency flow rates to the storm sewer or waterway. Since the early learning center was constructed in about 2005, further assessment of the detention system provided for that facility should be completed to determine if that system could be expanded.

IX. UNDERMINING

- The school property is located in an underground mine region.

X. EXTERNAL FLOOD

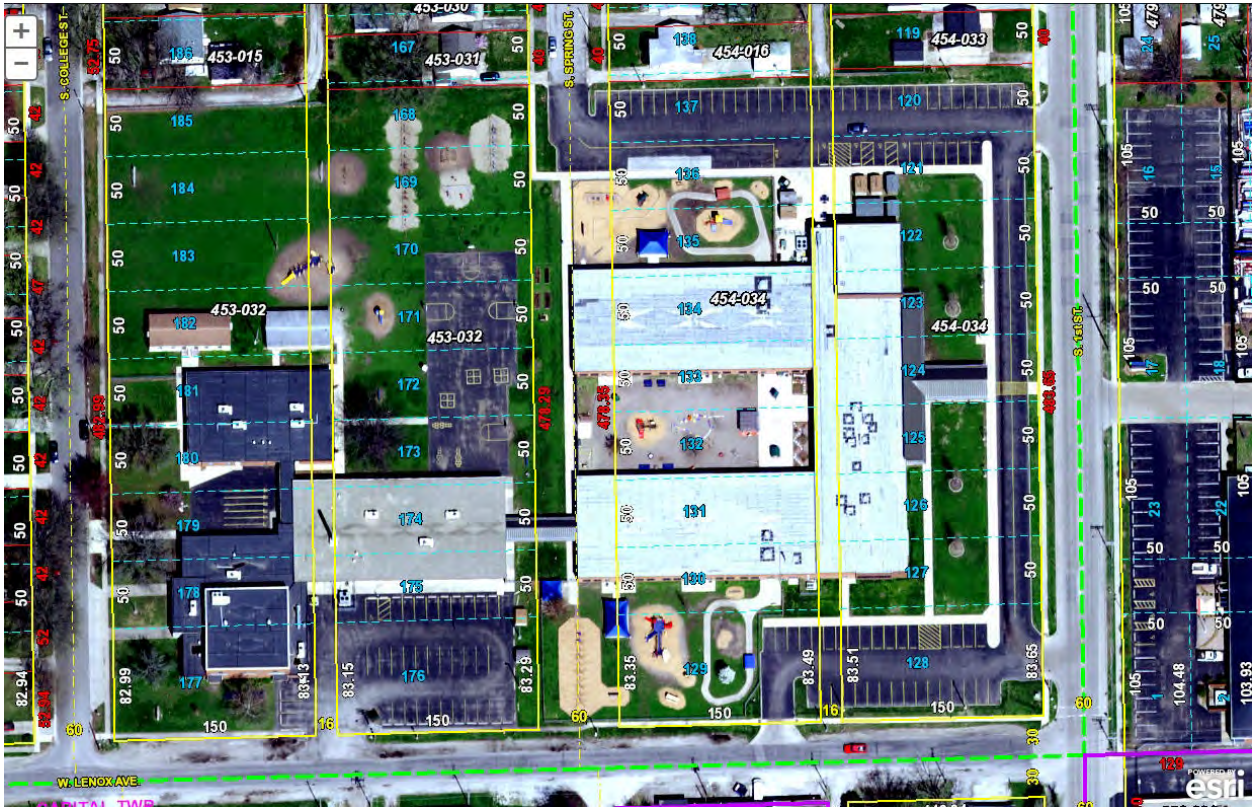
- The school property is not depicted in a special flood hazard area on a Flood Insurance Rate Map as there is not special flood hazard area in the vicinity of the school.



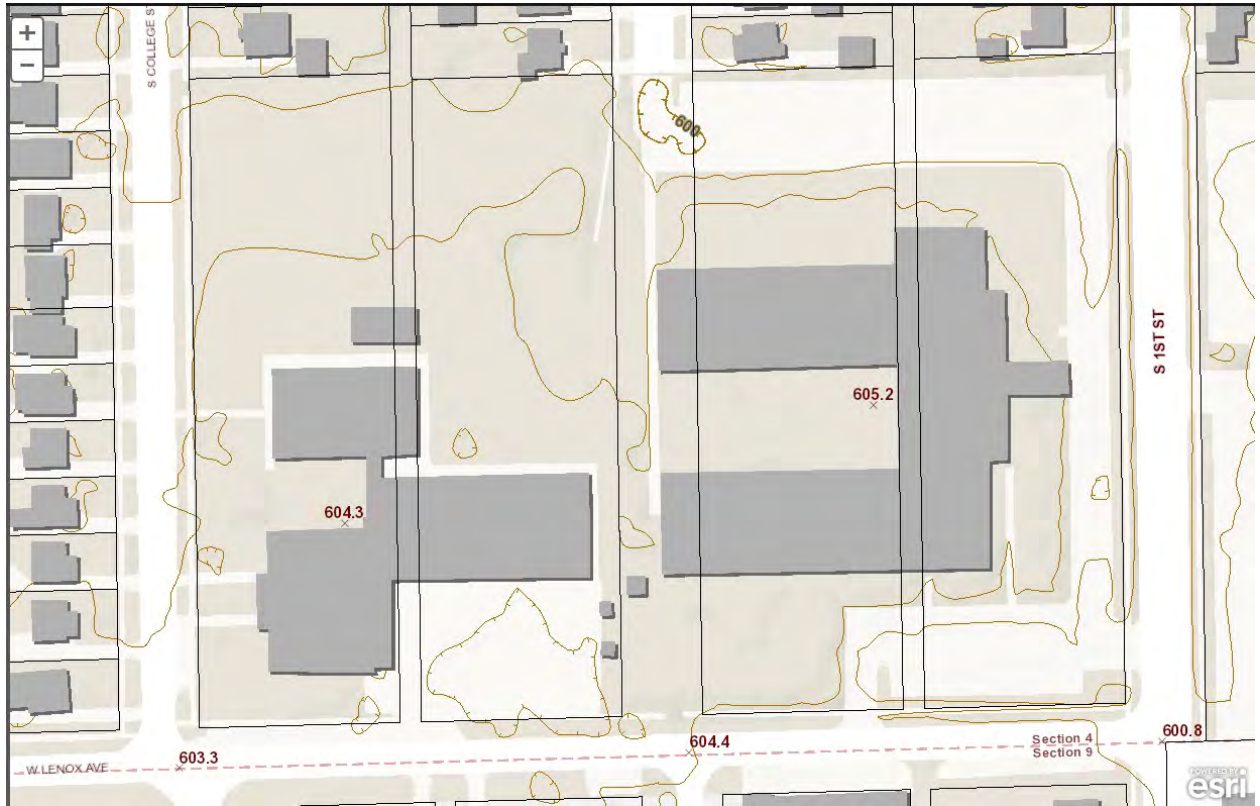
AERIAL 2018-10-16



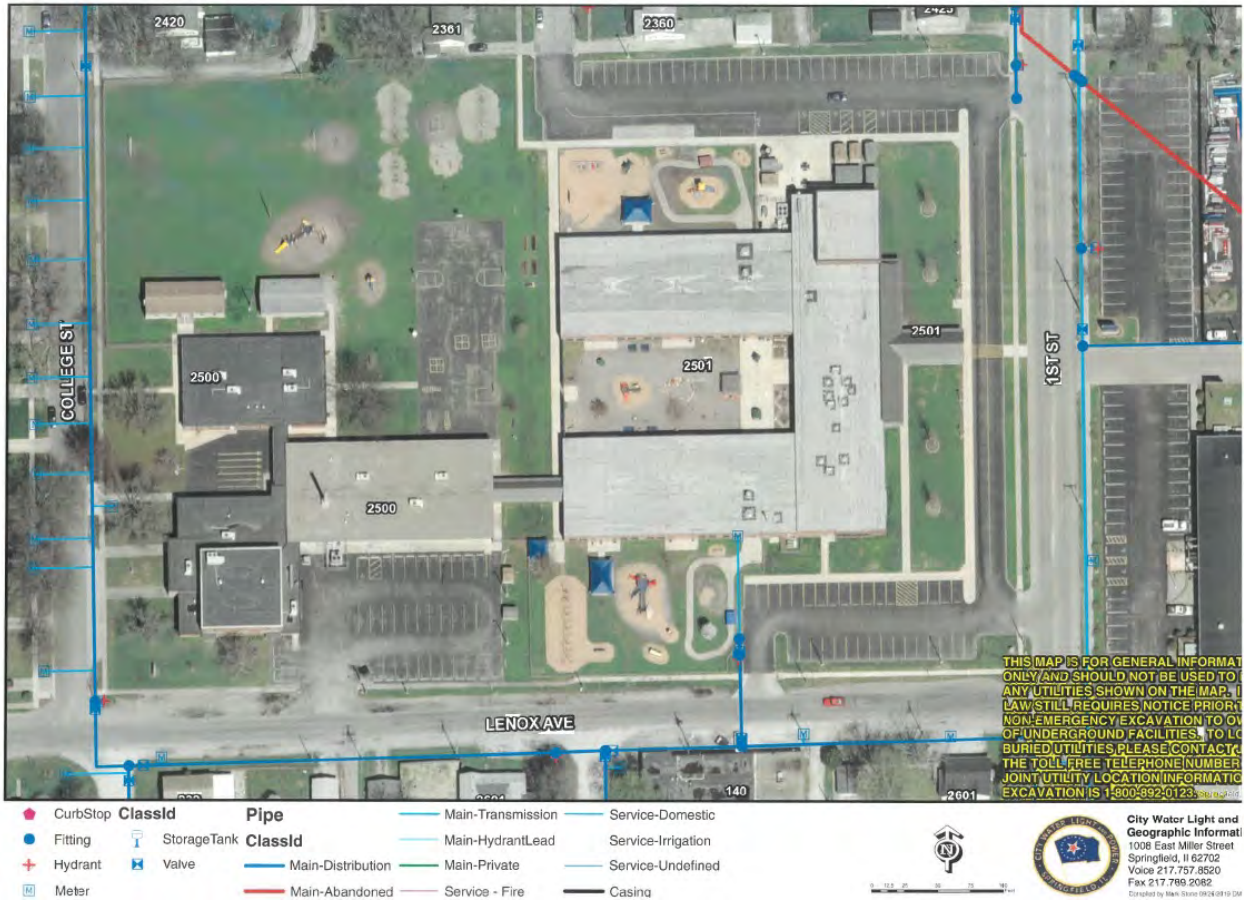
PARCELS



2007 CONTOURS



WATER MAP



Applicant: Vasconcelles Engineering Corp
Contact: Steve Kuper
Address: 2417 West White Oaks Dr.
Springfield, IL 62704

IDNR Project Number: 2003208
Date: 09/26/2019

Project: Black Hawk Elementary School
Address: 2500 South College Street, Springfield

Description: Building Addition

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

Mississippi Kite (*Ictinia mississippiensis*)

An IDNR staff member will evaluate this information and contact you to request additional information or to terminate consultation if adverse effects are unlikely.

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Sangamon

Township, Range, Section:
15N, 5W, 4



**IL Department of Natural Resources
Contact**
Brian Willard
217-785-5500
Division of Ecosystems & Environment

Government Jurisdiction
IL Environmental Protection Agency
Amy L. Dragovich, P.E.
1021 North Grand Ave. East
P.O. Box 19276
Springfield, Illinois 62701

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.

2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.

3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
<http://dnr.state.il.us>

JB Pritzker, Governor

Colleen Callahan, Director

September 30, 2019

Steve Kuper
Vasconcelles Engineering Corp
2417 West White Oaks Dr.
Springfield, IL 62704

RE: Black Hawk Elementary School
Project Number(s): 2003208
County: Sangamon

Dear Applicant:

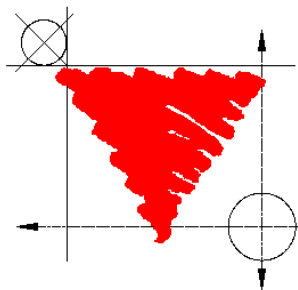
This letter is in reference to the project you recently submitted for consultation. The natural resource review provided by EcoCAT identified protected resources that may be in the vicinity of the proposed action. The Department has evaluated this information and concluded that adverse effects are unlikely. Therefore, consultation under 17 Ill. Adm. Code Part 1075 is terminated.

This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary.

The natural resource review reflects the information existing in the Illinois Natural Heritage Database at the time of the project submittal, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, you must comply with the applicable statutes and regulations. Also, note that termination does not imply IDNR's authorization or endorsement of the proposed action.

Please contact me if you have questions regarding this review.

Brian Willard
Division of Ecosystems and Environment
217-785-5500



vasconcelles

engineering corporation

Principals

James Vasconcelles
Mark Vasconcelles, P.E.
Shayla Pfaffe, P.L.S.
Trent Dalton
Steve Kuper
Wendi Wallner

October 22, 2019

Illinois Department of Natural Resources
Illinois Historic Preservation Office
Attn: Review and Compliance/Old State Capitol
1 Natural Resources Way
Springfield, IL 62702

RE: Black Hawk Elementary School, Springfield, IL

To whom it may concern,

The Springfield Public Schools are planning to construct an addition to Black Hawk Elementary School, 2500 College Street, Springfield, IL. Enclosed is a general location map to assist you in understanding the location of the proposed addition.

We will be filling out the Notice of Intent for the Illinois Environmental Protection Agency NPDES permit and wanted to consult your office in regards to Historic Preservation.

I am requesting your review of this information. If you have any questions or need additional information, please feel free to contact me.

Sincerely,

VASCONCELLES ENGINEERING CORPORATION

Steven D. Kuper

Enclosure

sdk
677-191

Consulting Engineers

Springfield Office
2417 West White
Oaks Drive
Springfield, IL 62704

217.698.3114
Fax 217-698-3115

1.800.727.4VEC

E-mail
vec@vasconcelles.com



SANDBURG ELEMENTARY SCHOOL

PROJECT SUMMARY 6.3

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

SANDBURG ELEMENTARY SCHOOL

Grades: K-5 Enrollment: 285 No. of strands: 2
Address: 2051 Wabash Ave Springfield, IL 62704
Year of original construction: 1961
Building addition: 1965

Phase 1 Design Objectives

- Create an addition to accommodate programs currently housed in temporary structures
- Accommodate K-5 Special Education population on site
- Create a secure entry and building administration and reception areas
- Develop an entry element to create an obvious main entry
- Create student support spaces within the building
- Zone the building to have a primary and intermediate zone separated by shared resources and building administration
- Allow future expansion

Site

- Replace Sidewalks to new entry
- Create a landscape buffer from the parking lot to the entry to allow safe drop-off and wayfinding

Building Construction

- Provide similar aesthetic to existing Sandburg building
- Match existing masonry construction with additions
- Match existing floor, paint, and ceiling finishes with products from the district standards
- Provide signage and wayfinding
- Extend flooring, paint patterns and schemes, ceilings, and other finishes with products matching or complementary products from the district standards

MEP

- Extend existing electrical service to a sub panel for distribution to additions
- Extend current HVAC systems and provide air conditioning to new areas via standalone systems
- Extend Fire Alarm, Fire Protection

Technology

- Extend existing security, data networks, Wi-Fi network, telecom, bell and paging systems

Construction Delivery Method

- This project is to be constructed via Design-Bid-Build.

BUILDING PROGRAM (FULL) 6.3

Sandburg Elementary School													
	Sq Ft	QTY	Total Sq Ft	Number of Usable Existing Spaces Available	Number of Spaces Deficient	New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	New Spaces Required Phase 2	Phase 2 Area (sf) of New Space Required	COMMENTS
CORE EDUCATIONAL ENVIRONMENTS (CLASSROOMS)													
Classroom- Kindergarten Classroom	1050	2	2100	2									
Kindergarten Toilet (adjacent to classroom)	45	2	90	1	1								
Classroom- First Grade	900	2	1800	3									
First Grade Toilet (adjacent to classroom)	45	2	90	0	2						X	90	
Classroom- Second Grade	900	2	1800	2									
Classroom- Third Grade	900	2	1800	2									
Classroom- Fourth Grade	900	2	1800	2									
Classroom- Fifth Grade	900	2	1800	2		2	1700			X			Repurposed 2 classrooms requiring construction of 2 new classrooms.
Reading Classroom	500	1	500	0	1			1	475	X			
Literacy Classroom	300	1	300	0	1	1	285			X			
ESL (English as a Second Language) Classroom	400	1	400	0	1			1	475	X			
FINE AND APPLIED ARTS/ PERFORMANCE SPACES													
Art Studio	900	1	900	0	1			1	800	X			
Art Storage	150	1	150	0	1			1	160	X			
Music Room	900	1	900	0	1	1	900			X			
Music Storage	200	1	200	0	1	1	200			X			
Auditorium with Stage (Small)	800	1	800	0	1						X	800	
MEDIA CENTER/ LIBRARY SERVICES/ DISTANCE LEARNING LABS													
Media Center/ Library	1400	1	1400	1									
Media Center/ Library Storage	200	1	200	0	1						X	200	
Media Center/ Library Office	100	1	100	0	1						X	100	
Media Center/ Library Workroom	150	1	150	0	1						X	150	
Technology/IT Storage	200	1	200	0	1						X	200	
PHYSICAL EDUCATION/ ATHLETIC FACILITIES (INSIDE AND OUTSIDE, SUPPORT SPACES FOR COACHES/ PE Gymnasium)													
PE Gymnasium	6000	1	6000	0	1						X	6000	
Physical Education Storage- Indoor equipment	400	1	400	0	1						X	400	
Physical Education Office	120	1	120	0	1						X	120	
SPACES FOR STUDENTS WITH SPECIAL NEEDS (CLASSROOMS, SMALL LEARNING AREAS)													
Special Education- Large Classroom	500	2	1000	1	1	1	500			X			2 Spaces deficient but will repurpose extra 1st Grade CR for one SPED CR and Resource
Resource Room (Large)	300	2	600	1	1	1	285			X			2 Spaces deficient but will repurpose extra 1st Grade CR for one SPED CR and Resource
Speech Classroom	125	1	125	0	1			1	275	X			
Occupational and Physical Therapy Room	150	1	150	0	1			1	275	X			
Office- SSS (Student Support Services)	100	1	100	0	1			1	150	X			
Office- Children's MOSAIC Project (Community Social Work)	100	1	100	0	1			1	130	X			
Special Needs Single User Toilet (Changing)	125	1	125	0	1	1	200			X			
RECEPTION/ LOBBY/ WELCOMING SPACE													
Lobby/Welcoming area	150	1	150	0	1	1	110			X			DCEO Grant obtained to create controlled visitor entry
Waiting Area	150	1	150	0	1	1	200			X			DCEO Grant obtained to create controlled visitor entrance.
Reception (General Office/Admin Assistant/Secretary)	350	1	350	1									
ADMINISTRATIVE SPACES (OFFICES, CONFERENCE ROOMS)													
Office- Principal	175	1	175	1		1	180			X			New office addition - existing office spaces repurposed.
Conference/ Meeting Room	175	1	175	0	1			1	130	X			
Work Room- Administrative	200	1	200	1		1	240			X			
Storage- Secure File	100	1	100	0	1	1	100			X			
Storage- General Administrative	100	1	100	0	1	1	110			X			
Faculty Dedicated Single User Toilet (office area)	75	1	75	1									
Office- General (Admin / PA / Intern / Other)	100	1	100	0	1	1	180			X			
Office- Social Worker	125	1	125	1				1	220	X			
FACULTY SUPPORT/ WORK SPACES													
Faculty Work Room (Large)	500	1	500	1									
Faculty Lounge Room (Large)	350	1	350	1									
Faculty Dedicated Single User Toilet	75	2	150	0	2						X	150	
Storage (Books)	200	1	200	1									
Conference/Meeting Room	500	1	500	0	1	1	265			X			
HEALTH SERVICES													
Nurse Office	100	1	100	1		1	180			X			New office addition - existing office spaces repurposed.
Nurse (cot/bed space)	80	1	80	0	1	1	60			X			
Nurse Storage	8	1	8	0	1						X	8	
Nurse Dedicated Single User Toilet	75	1	75	0	1	1	80			X			
Health Services Space (vision/hearing)	10	1	10	0	1						X	10	
DINING AND FOOD SERVICE													
Multi-Purpose/Cafeteria Commons	2500	1	2500	1									
Multi-Purpose/Cafeteria Commons Storage	200	1	200	0	1						X	200	
Food Service Kitchen	1500	1	1500	1									
Food Service Storage	350	1	350	1									
Receiving	50	1	50	0	1						X	50	
COMMUNITY SPACES													
Multi-Purpose/ Community Room (Small)	400	1	400	0	1						X	400	
Office- Parent Educator	100	1	100	0	1						X	100	
Project SCOPE- After-School Program Storage	200	2	400	0	2						X	400	
F.A.C.E Family and Community Engagement- Storage	200	1	200	0	1						X	200	
BUILDING SERVICES/ FACILITIES MANAGEMENT													
Custodians' Closets	25	2	50	1	1						X	25	
Maintenance Central Storage	300	1	300	1									
Maintenance/Custodians' Office	100	1	100	0	1						X	100	
Laundry Room	100	1	100	0	1						X	100	
OTHER													
Toilet- Men	350	2	700	2									
Toilet- Women	350	2	700	2									
District 186 Description of Work:			Subtotal				5,775		3,090	-		9,803	
Renovate 4 Toilet Rooms - \$330,000 4 CR Addition to replace modulars	Efficiency Factor	0.777	Total New Space at 77.7% Efficiency				7,428	0.90	3,448	-		12,609	

BUILDING PROGRAM (PHASE 1) 6.3

Sandburg Elementary School				New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	COMMENTS
	Sq Ft	QTY	Total Sq Ft						
Classroom- Fifth Grade	900	2	1800	2	1700			X	Repurposed 2 classrooms requiring construction of 2 new classrooms.
Reading Classroom	500	1	500			1	475	X	
Literacy Classroom	300	1	300	1	285			X	
ESL (English as a Second Language) Classroom	400	1	400			1	475	X	
Art Studio	900	1	900			1	800	X	
Art Storage	150	1	150			1	160	X	
Music Room	900	1	900	1	900			X	
Music Storage	200	1	200	1	200			X	
Special Education- Large Classroom	500	2	1000	1	500			X	2 Spaces deficient but will repurpose extra 1st Grade CR for one SPED CR and Resource
Resource Room (Large)	300	2	600	1	285			X	2 Spaces deficient but will repurpose extra 1st Grade CR for one SPED CR and Resource
Speech Classroom	125	1	125			1	275	X	
Occupational and Physical Therapy Room	150	1	150			1	275	X	
Office- SSS (Student Support Services)	100	1	100			1	150	X	
Office- Children's MOSAIC Project (Community Social Work)	100	1	100			1	130	X	
Special Needs Single User Toilet (Changing)	125	1	125	1	200			X	
Lobby/Welcoming area	150	1	150	1	110			X	DCEO Grant obtained to create controlled visitor entry vestibule.
Waiting Area	150	1	150	1	200			X	DCEO Grant obtained to create controlled visitor entrance.
Office- Principal	175	1	175	1	180			X	
Conference/ Meeting Room	175	1	175			1	130	X	
Work Room- Administrative	200	1	200	1	240			X	
Storage- Secure File	100	1	100	1	100			X	
Storage- General Administrative	100	1	100	1	110			X	
Office- General (Admin / PA / Intern / Other)	100	1	100	1	180			X	
Office- Social Worker	125	1	125			1	220	X	
Conference/Meeting Room	500	1	500	1	265			X	
Nurse Office	100	1	100	1	180			X	New office addition - existing office spaces repurposed.
Nurse (cot/bed space)	80	1	80	1	60			X	
Nurse Dedicated Single User Toilet	75	1	75	1	80			X	
District 186 Description of Work:			Subtotal		5,775		3,090	-	
Renovate 4 Toilet Rooms - \$330,000 4 CR Addition to replace modulars	Efficiency Factor	0.777	Total New Space at 77.7% Efficiency		7,428	0.90	3,448	-	

PROJECT BUDGET 6.3

Sandburg Elementary School Springfield School District 186

December 2, 2019

CONSTRUCTION BUDGET			\$3,383,028
BUILDING			\$2,979,132
Addition	7,428 sf	\$2,290,974.45	
Renovation	3,448 sf	\$688,158.00	
CONTINGENCY			\$403,896
Design Contingency	5%	\$148,957	
Bid Contingency	5%	\$156,404	
Construction Contingency	3%	\$98,535	

SOFT COSTS			\$355,794
SITE ACQUISITION AND EVALUATION			\$14,000
Land Purchase			
Topographical Survey		\$7,000	
Geotechnical Survey		\$7,000	
FEES AND SERVICES			\$279,604
Architect/ Engineering Design Fees	8.05%	\$256,470	
Interior Design Fees		\$3,500	
Food Service Consultant			
Theater, Lighting & Rigging Design Consultant			
Acoustical/Audio/Video Design Consultant			
Technology Design Services		\$2,719	
Reimbursable Expenses		\$16,915	
OTHER COSTS			\$62,190
Technology, Telecom, Security		\$27,190	
Furnishings, Fixtures, Equipment		\$35,000	

PROJECT BUDGET

\$3,738,822

DESIGN DIAGRAM 6.3

10/31/2019



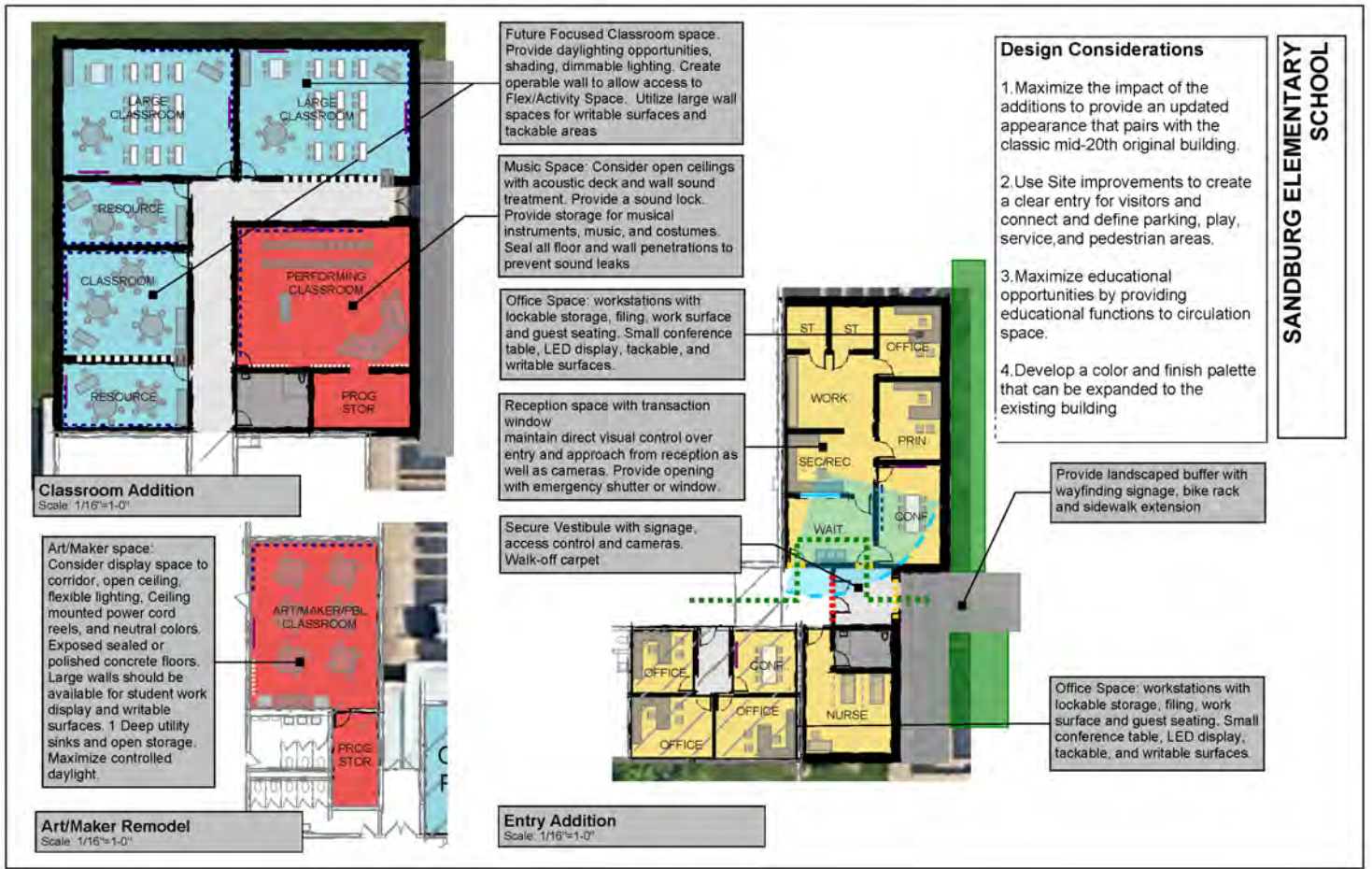
FLOOR PLAN
SCALE: 1" = 50'-0"




 BLDD Project No. 19BEX27.200

SANDBURG ELEMENTARY SCHOOL
2051 WABASH AVE

SCOPE DIAGRAM 6.3

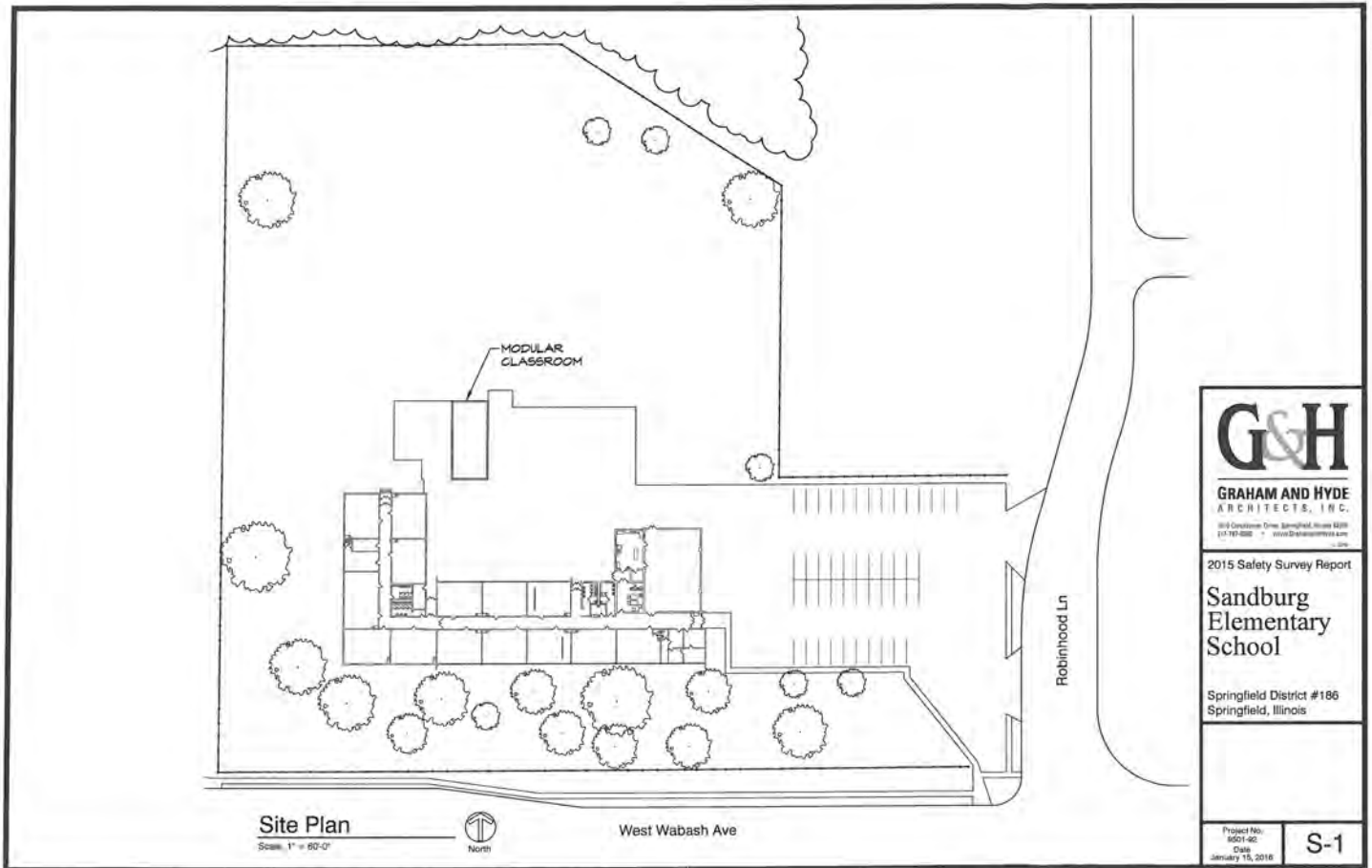


SANDBURG ELEMENTARY SCHOOL

HPD PLAN 6.3

NOT APPLICABLE FOR
SANDBURG ELEMENTARY

EXISTING CONDITIONS: SITE PLAN 6.3



SPRINGFIELD
DISTRICT 186 SCHOOLS
SANDBURG ELEMENTARY
SITE ASSESSMENT
OCTOBER 2019

SANDBURG ELEMENTARY SCHOOL

I. GENERAL

- The proposed addition replaces grass surface with building.
- The temporary buildings will be removed.
- An e-mail from the Illinois Department of Natural Resources, noted their review of the Illinois Natural Heritage Database showed that the Franklin's Ground Squirrel, a protected resource, may be in the vicinity of this school. Subsequently, a letter was provided from the IDNR that indicated records of this state threatened species in the vicinity of this school. The IDNR had the following recommendations to avoid adverse effect to the Franklin's Ground Squirrel during construction:
 - Fliers with photos of adult and juvenile Franklin's ground squirrels, and life-history information, should be distributed to personnel. The flier should also contain contact information for the Department (John Wilker, 217-785-4559).
 - Install exclusionary silt fence around any soil stockpiles to discourage use by the Franklin's ground squirrel.
- Vasconcelles Engineering Corporation (VEC) submitted a letter to the Illinois Historic Preservation Agency (IHPA) on October 23, 2019. (see attached letter)

II. ZONING

- The zoning for Sandburg Elementary School is R-1. The zoning for the properties surrounding Sandburg is S-2.
- Front yard setback = 30'; side yard setback = 5', total of both side yards has to equal 15'; rear yard = 20'.

III. DRAINAGE

- Drainage of the area is generally away from the building toward Jacksonville Branch on the north and West Wabash Avenue on the south. Inlets were noted on the north side of West Wabash Avenue.

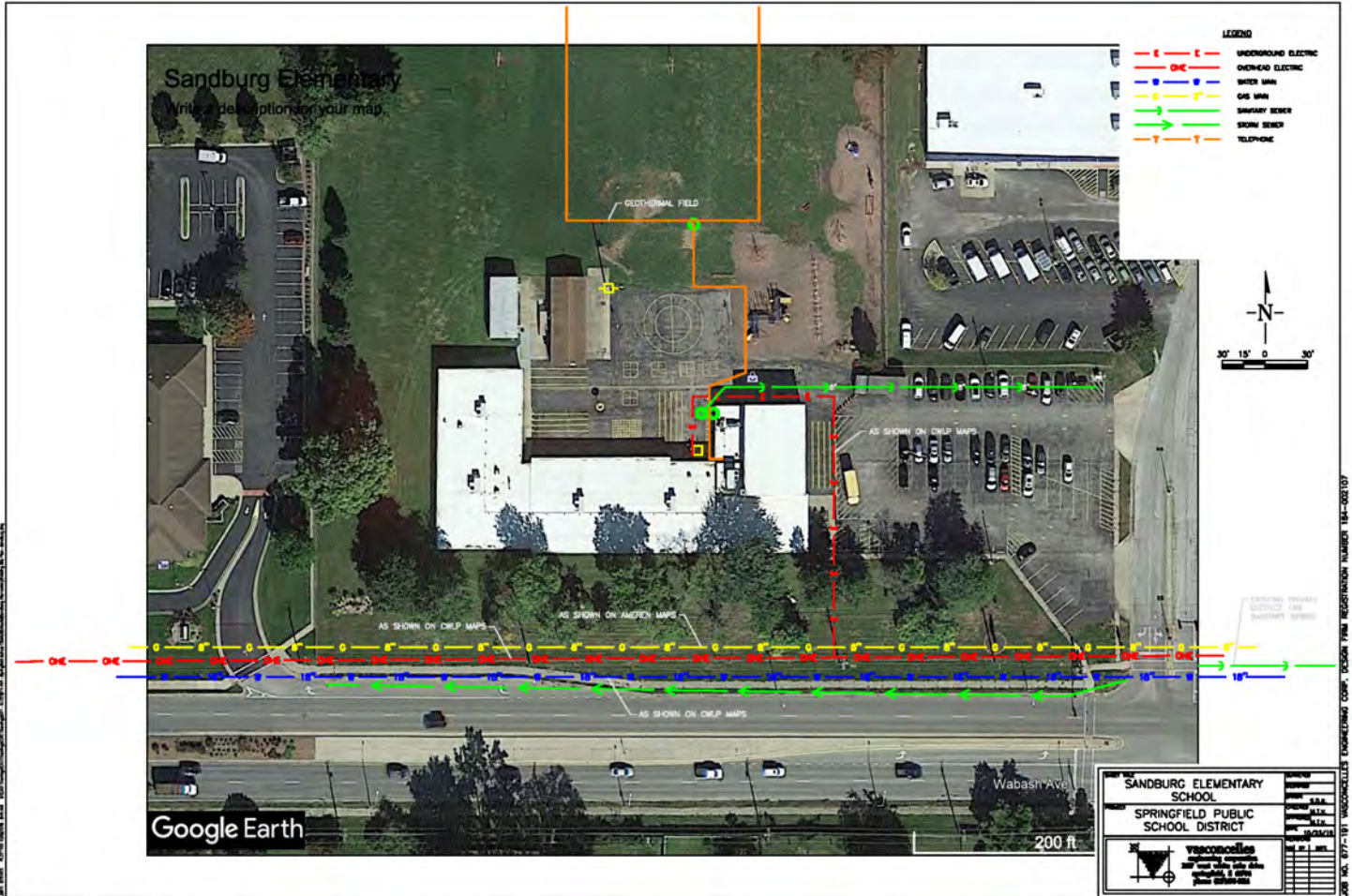
IV. SEWERS

- There is a private 8" sanitary sewer line running east and west in on the north side of West Wabash Avenue that begins east of the school property that is noted on one of the plan sheets as the outlet for the school. There is a 24" sanitary sewer line in the northwest corner of the property. There is an Illinois Department of Transportation storm sewer line running east and west on the north side of West Wabash Avenue.

V. ELECTRIC

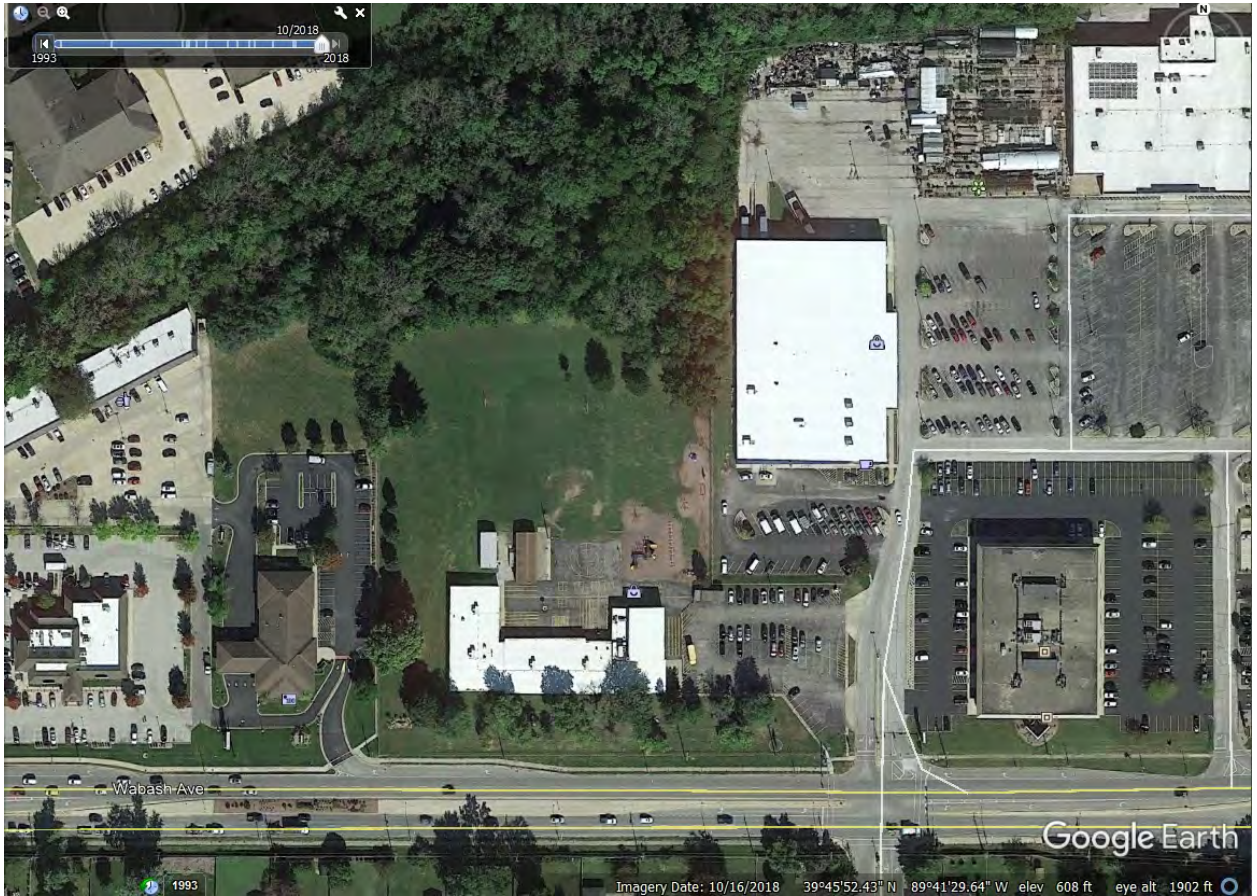
- Electric service for the main school building is from West Wabash Avenue on the east side of the building. There is also a separate service for the temporary buildings from the southeast.

- VI. GAS
 - There is an 8” gas main running east and west in West Wabash Avenue.
- VII. WATER
 - There is a water main running east and west in West Wabash Avenue.
- VIII. DETENTION
 - If the outlet system from the detention storage is connected to a storm sewer system or a waterway, the proposed condition 10-year and 100-year frequency release rates are typically required to be no greater than the existing condition 10-year and 100-year frequency flow rates to the storm sewer or waterway.
 - Discharge to the Jacksonville Branch with appropriate release rate restrictions would be possible, but may require permits from the Corps of Engineers and the IDNR, Office of Water Resources.
- IX. UNDERMINING
 - The school property is located in an underground mine region and a mine buffer region.
- X. EXTERNAL FLOOD
 - Most of the school property is above the 100-year frequency flood water surface elevation (base flood elevation). If the addition and all related fill materials are placed above the base flood elevation, there would not be a required mitigation for fill in the floodplain.
- XI. GEOTHERMAL
 - There is a geothermal field in the grass area north of the school.

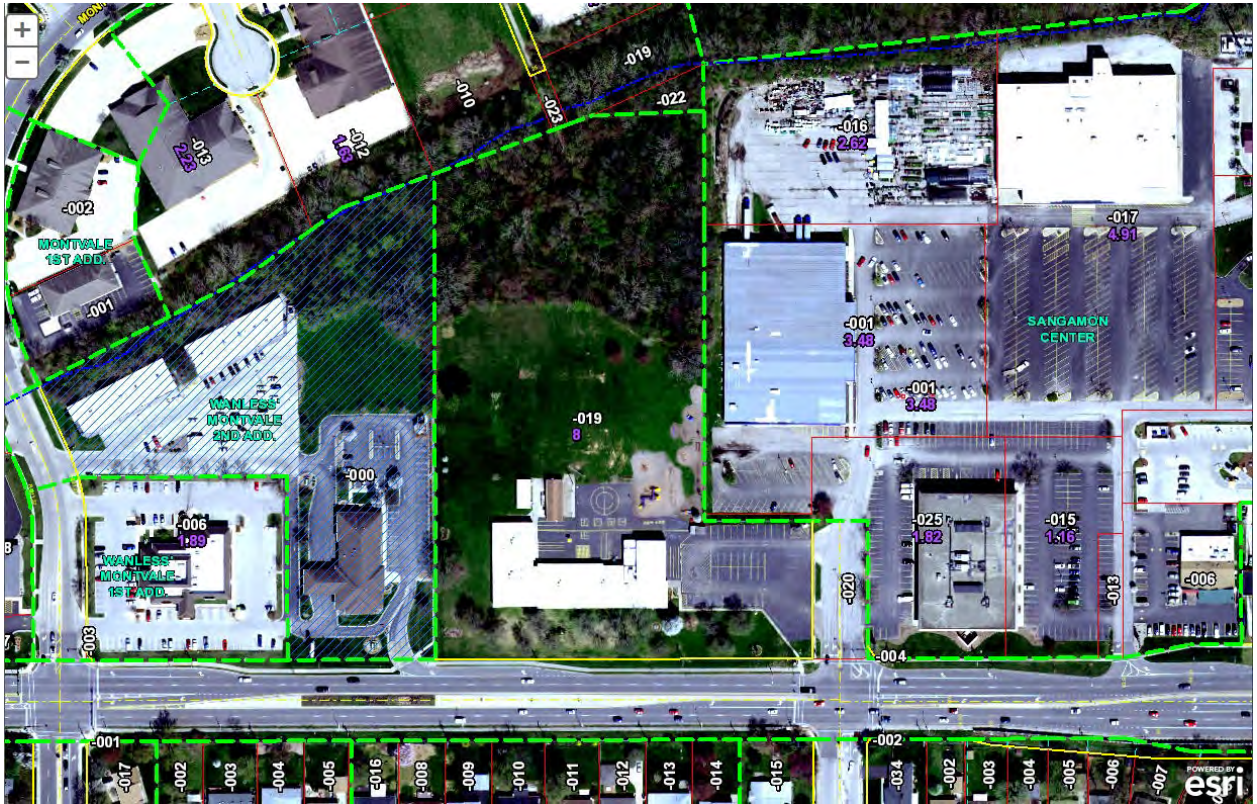


S-4

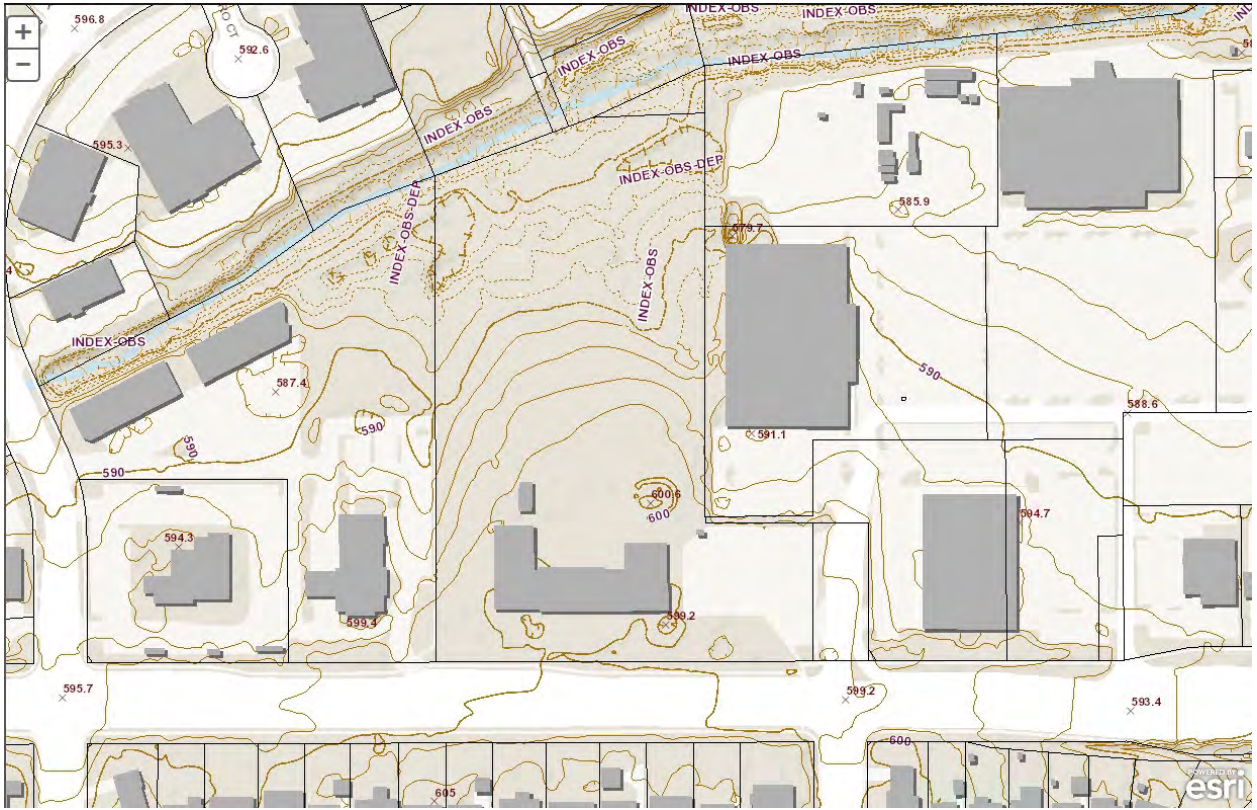
AERIAL 2018-10-16



PARCELS



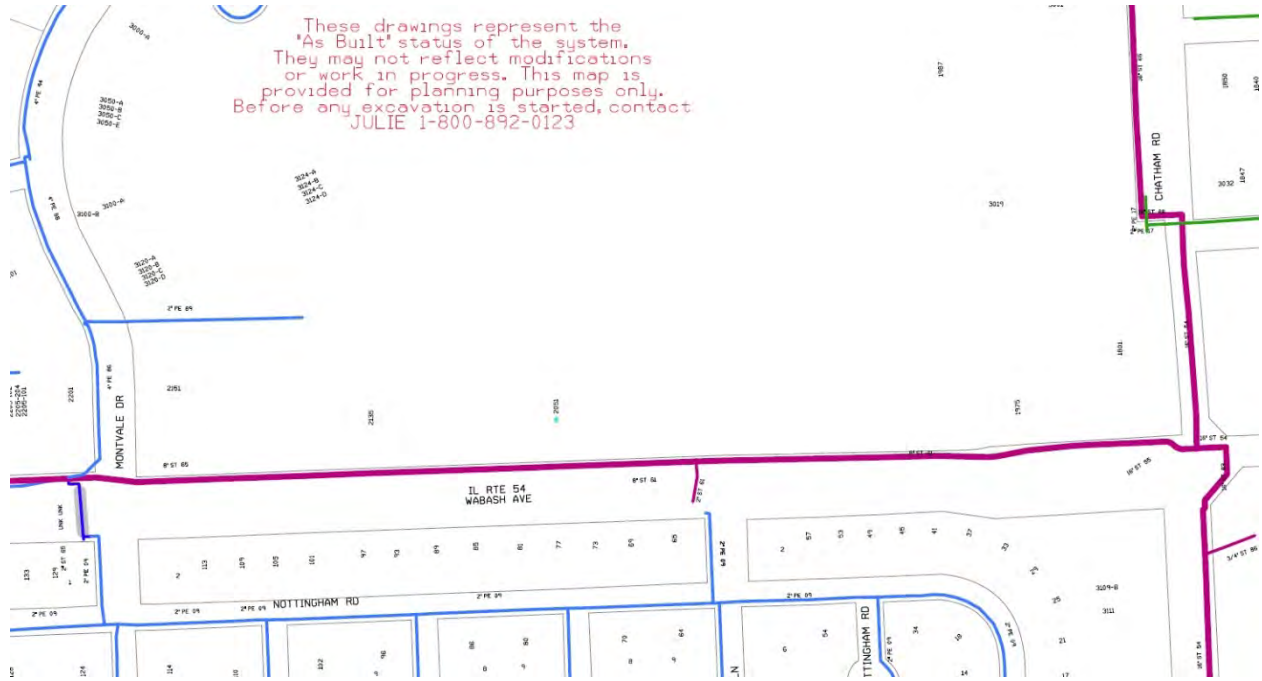
2007 CONTOURS

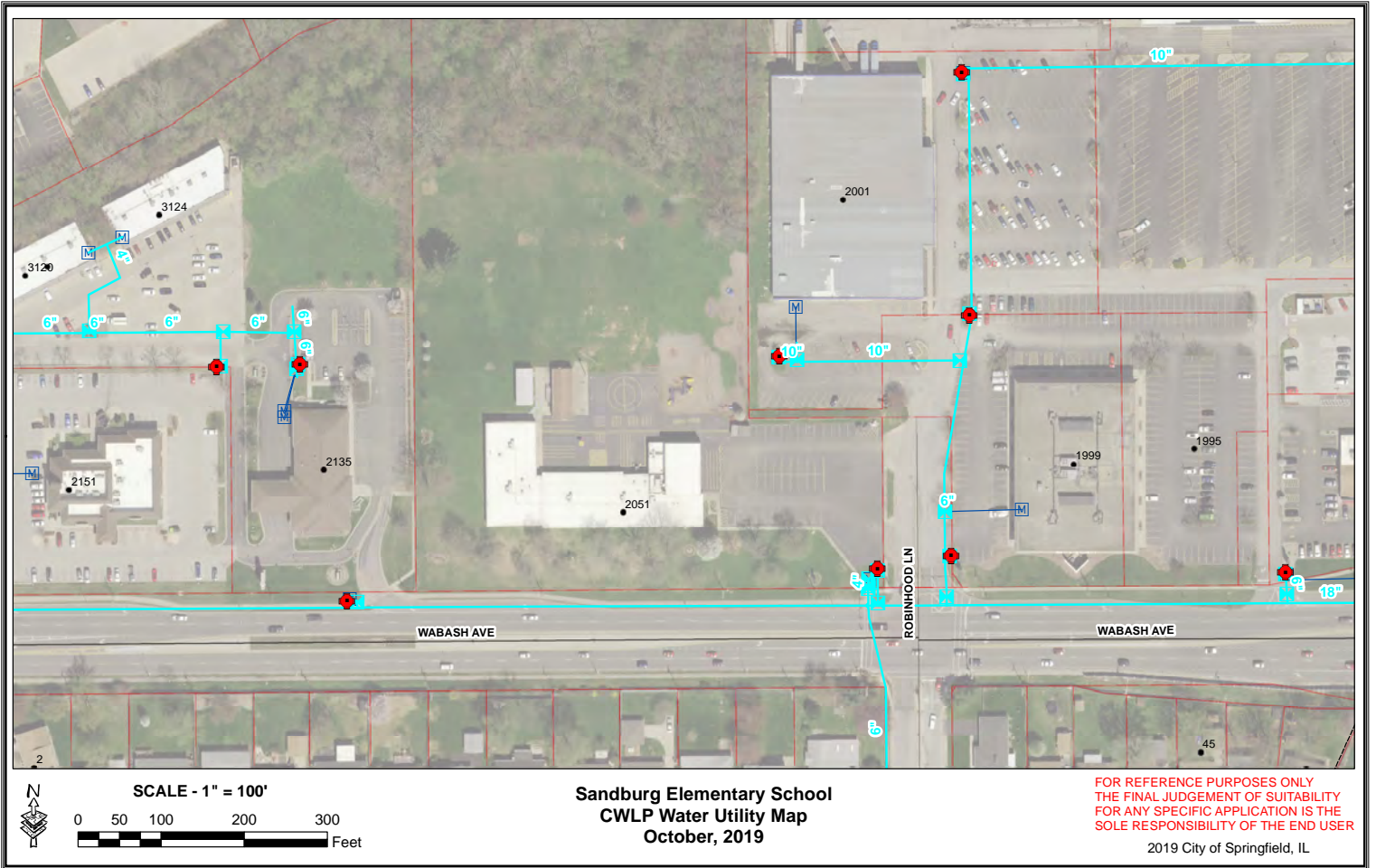


SEWER MAP



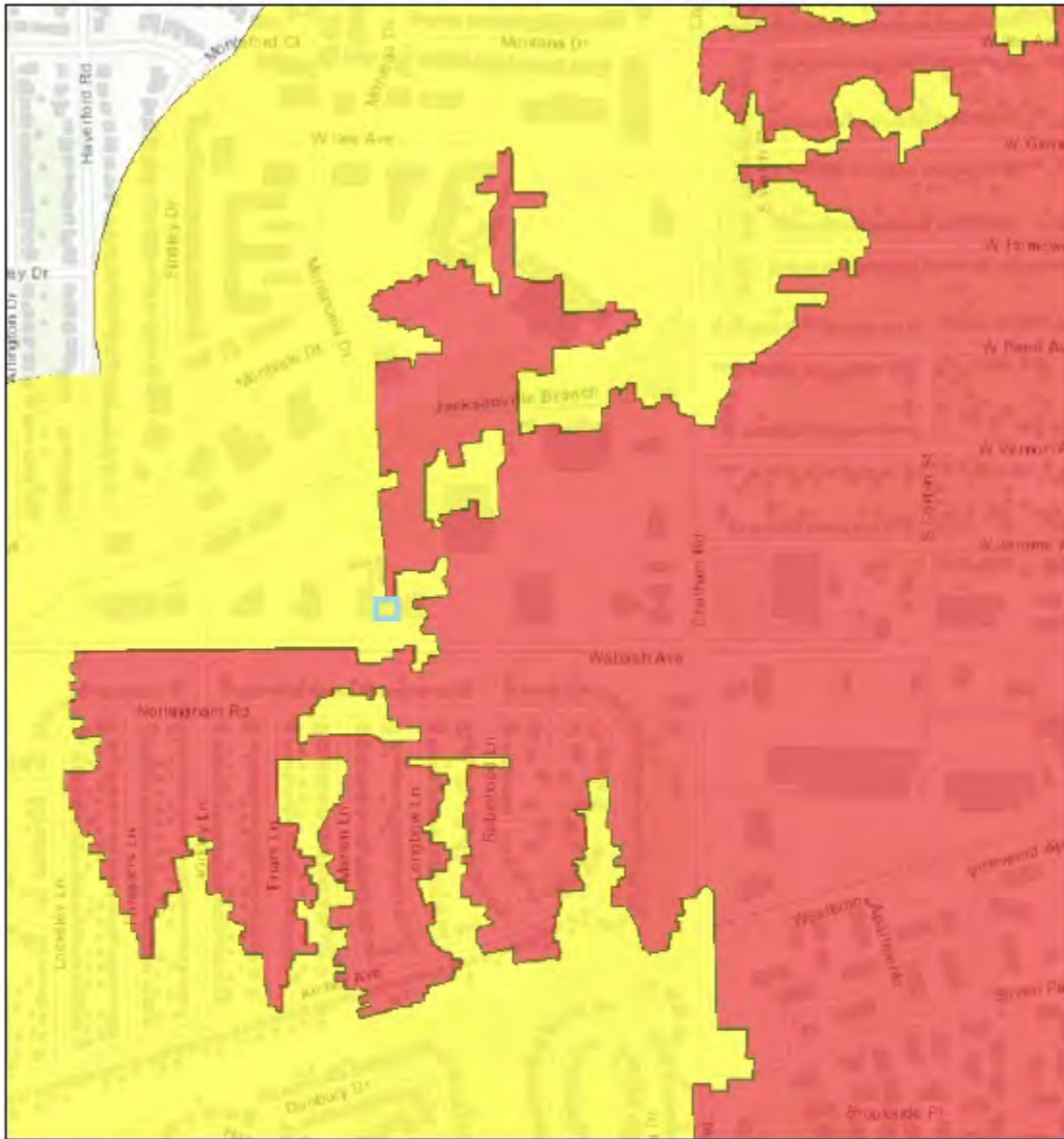
GAS MAP





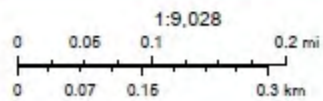
UNDERGROUND MINE MAP

Illinois State Geological Survey -- ILMINES



10/1/2019 2:15:53 PM

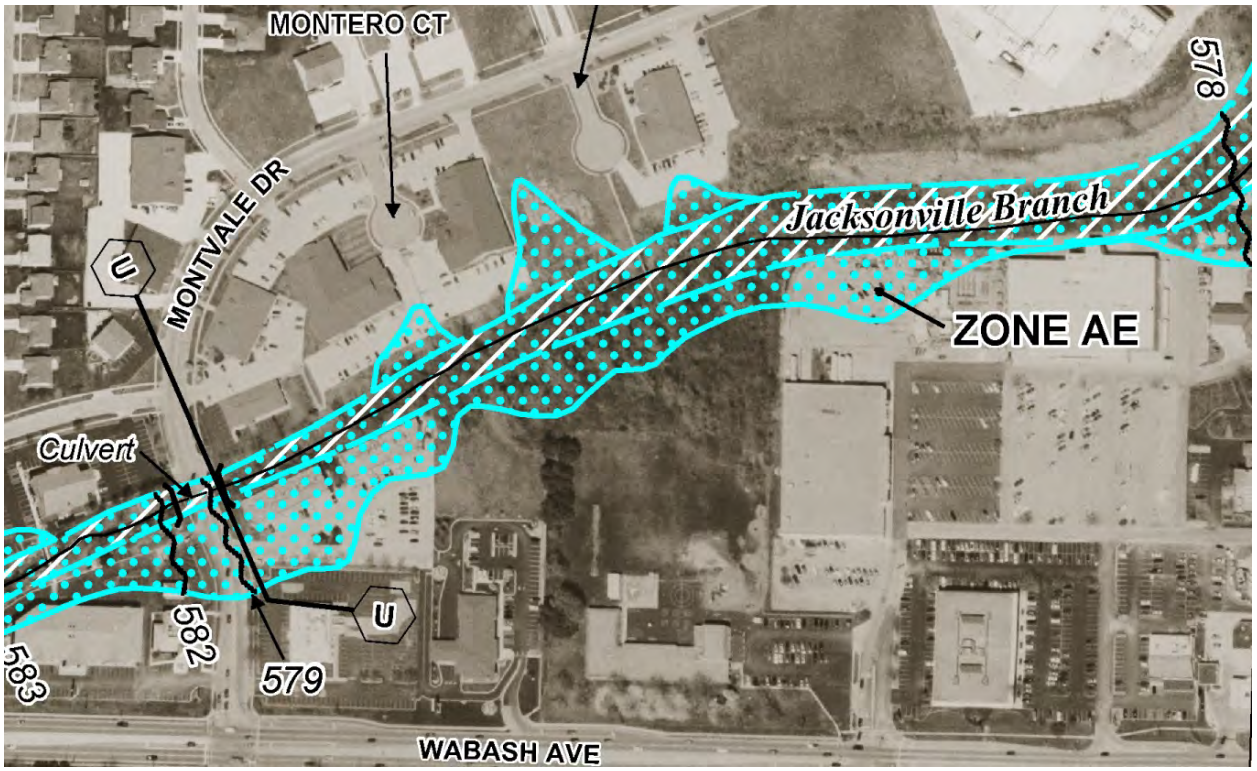
- Underground Mine Buffer Region
- Non Coal Mines
- Underground Coal Mines
- Underground
- Indefinite Underground Mine Boundary
- Surface
- Non Coal Mine Shaft
- Coal Mine Shaft

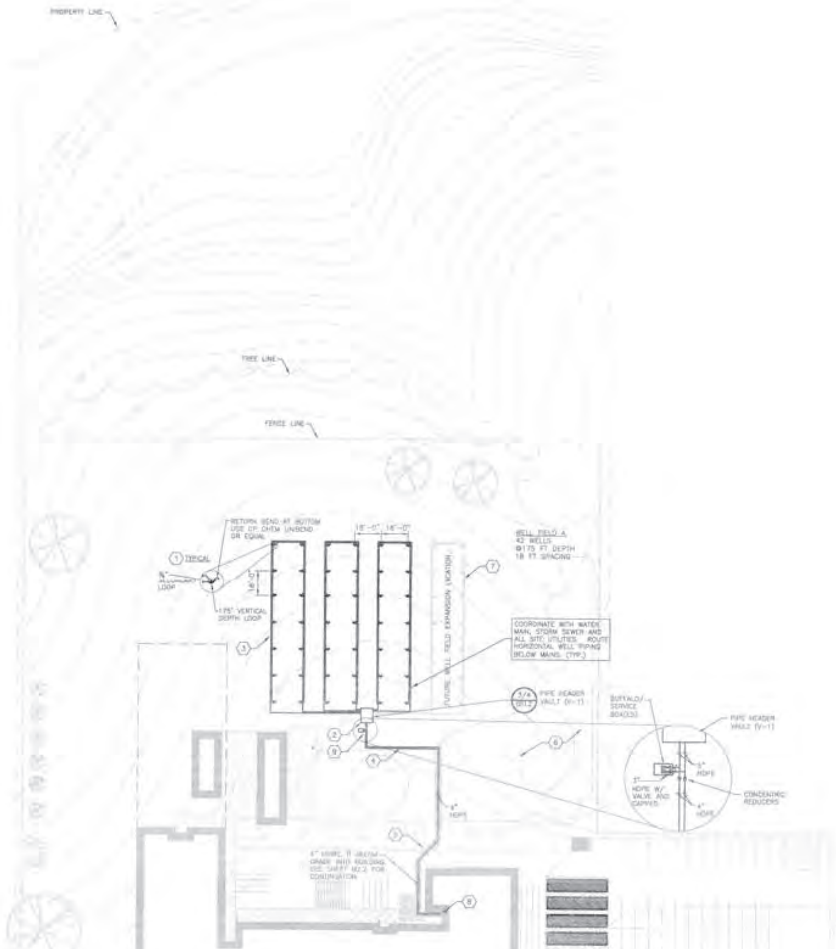


Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Illinois State Geological Survey – ILMINES
Prairie Research Institute, University of Illinois

FLOOD INSURANCE RATE MAP





TEST WELL SAMPLES	
DEPTH	
10'	SILT, SAND, CLAY
20'	SAND, CLAY
30'	CLAY
40'	CLAY, SHALE
50'	GRAY, CLAY-SHALE
60'	GRAY SHALE
70'	GRAY SANDY SHALE
80'	SHALE
90'	SHALE
100'	SHALE
110'	SHALE
120'	DARK SHALE
130'	SHALE
140'	CLAY SHALE
150'	SHALE
160'	SHALE Limestone
170'	SHALE Limestone
180'	SHALE
190'	HARD SHALE
200'	SHALE
210'	SOIL

NOTE: THIS TEST WELL WAS PEG SITE AT A NEARBY LOCATION AND USED FOR INFORMATIONAL PURPOSES AND MAY OR MAY NOT REFLECT CONDITIONS.

- GENERAL NOTES**
1. ALL WORK SHOWN IS DIAGRAM
 2. FURNISH AND INSTALL ALL MATERIAL FOR A COMPLETE AND SYSTEM.
 3. BORE HOLES SHALL BE EITHER DRILLED
 4. REMOVE FROM SITE ALL DRILL
 5. REDGRADE FIELD AREA, SEE AIR SE-SEALING REQUIREMENTS.
 6. HEADS SHALL MAINTAIN A MINIMUM 30" FLOOD WITH GRADE, SEE
 7. INSTALL TRACER WIRE ABOVE # PIPING AND VERTICAL WELL. HE
 8. PROVIDE GPS LOCATION MAP OF VERTICAL WELL AT COMPLETION INSTALLATION.
 9. ALL HORIZONTAL COORDINATES A MINIMUM 48" BELOW GRADE, WITHIN SITE UTILITIES. GPS WATER/STORM LINES AS NEEDED.
 10. SEE SHEET 051.2 FOR PIPE SCHEDULE AND WELL PEGS.
 11. COORDINATE ALL PIPING LOGS WITH ALL OTHER WORK AT THE
 12. INSTALL PLACARD ON VALVE AND HEAD, TRACER CONTAINS SPA ENVIRONMENT.
 13. PLACE ALL HORIZONTAL PIPING SAND

- SEE SHEET 051.2**
1. TYPICAL 110" DEEP WELL, 8"/OD I.D.
 2. HEADS SHALL MAINTAIN A MINIMUM 30" FLOOD WITH GRADE, SEE AIR SE-SEALING REQUIREMENTS.
 3. BORE HOLES SHALL BE EITHER DRILLED

Applicant: Vasconcelles Engineering Corp
Contact: Steve Kuper
Address: 2417 West White Oaks Dr.
Springfield, IL 62704

IDNR Project Number: 2003207
Date: 09/26/2019

Project: Sandburg Elementary School
Address: 2051 Wabash Ave., Springfield

Description: Building Addition

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

Franklin's Ground Squirrel (*Spermophilus franklinii*)

An IDNR staff member will evaluate this information and contact you to request additional information or to terminate consultation if adverse effects are unlikely.

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Sangamon

Township, Range, Section:

15N, 5W, 7



IL Department of Natural Resources
Contact
Brian Willard
217-785-5500
Division of Ecosystems & Environment

Government Jurisdiction
IL Environmental Protection Agency
Amy L. Dragovich, P.E.
1021 North Grand Ave. East
P.O. Box 19276
Springfield, Illinois 62701

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.

2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.

3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
www.dnr.illinois.gov

JB Pritzker, Governor
Colleen Callahan, Director

September 30, 2019

Mr. Steve Kuper
2417 West White Oaks Drive
Springfield, IL 62704

**RE: Sandburg Elementary Scholl
Consultation Program
EcoCAT Review #2003207
Sangamon County**

Dear Mr. Kuper:

The Department has received your submission for this project for the purposes of consultation pursuant to the *Illinois Endangered Species Protection Act* [520 ILCS 10/11], the *Illinois Natural Areas Preservation Act* [525 ILCS 30/17], and Title 17 *Illinois Administrative Code* Part 1075. Additionally, the Department may offer advice and recommendations for species covered under the *Fish & Aquatic Life Code* [515 ILCS 5, *et seq.*]; the *Illinois Wildlife Code* [520 ILCS 5, *et seq.*]; and the *Herptiles-Herps Act* [510 ILCS 69].

The proposed action consists of constructing an addition to the Sandburg Elementary School.

EcoCAT has indicated records of the state-threatened **Franklin's Ground Squirrel** (*Poliocitellus franklinii*) in the project vicinity. Franklin's ground squirrel habitat consists of forest edges and transition areas between forest and open grassland. They are also found in fencerows and agricultural field edges. Franklin's ground squirrels hibernate from late August/early September until mid-April in central Illinois. The Department has the following recommendations to avoid adverse effect to the Franklin's ground squirrel:

- Fliers with photos of adult and juvenile Franklin's ground squirrels, and life-history information, should be distributed to personnel. The flier should also contain contact information for the Department (John Wilker, 217-785-4559).
- Install exclusionary silt fence around any soil stockpiles to discourage use by the Franklin ground squirrel.

Given the above recommendations are adopted, the Department has determined that impacts are unlikely. **In accordance with 17 Ill. Adm. Code 1075.40(h), please notify the Department of your decision regarding these recommendations.**

Consultation on the part of the Department is closed, unless the applicant desires additional information or advice related to this proposal. Consultation for Part 1075 is valid for two years unless new information becomes available which was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the action has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary.

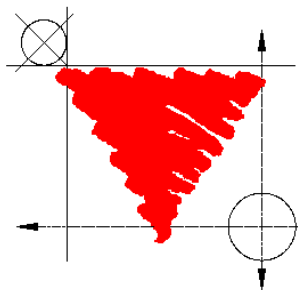
The natural resource review reflects the information existing in the Illinois Natural Heritage Database at the time of the project submittal and should not be regarded as a final statement on the project being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are unexpectedly encountered during the project's implementation, the applicant must comply with the applicable statutes and regulations.

Please contact me with any questions about this review.

Sincerely,



Adam Rawe
Resource Planner
Office of Realty & Capital Planning
Illinois Dept. of Natural Resources
One Natural Resources Way
Springfield, IL 62702-1271
adam.rawe@illinois.gov
Phone: (217) 785-4991



vasconcelles

engineering corporation

Principals

James Vasconcelles
Mark Vasconcelles, P.E.
Shayla Pfaffe, P.L.S.
Trent Dalton
Steve Kuper
Wendi Wallner

October 22, 2019

Illinois Department of Natural Resources
Illinois Historic Preservation Office
Attn: Review and Compliance/Old State Capitol
1 Natural Resources Way
Springfield, IL 62702

RE: Sandburg Elementary School, Springfield, IL

To whom it may concern,

The Springfield Public Schools are planning to construct an addition to Sandburg Elementary School, 2051 Wabash Ave, Springfield, IL. Enclosed is a general location map to assist you in understanding the location of the proposed addition.

We will be filling out the Notice of Intent for the Illinois Environmental Protection Agency NPDES permit and wanted to consult your office in regards to Historic Preservation.

I am requesting your review of this information. If you have any questions or need additional information, please feel free to contact me.

Sincerely,

VASCONCELLES ENGINEERING CORPORATION

Steven D. Kuper

Enclosure

sdk
677-191

Consulting Engineers

Springfield Office
2417 West White
Oaks Drive
Springfield, IL 62704

217.698.3114
Fax 217-698-3115

1.800.727.4VEC

E-mail
vec@vasconcelles.com



DISTRICT 186
SPRINGFIELD PUBLIC SCHOOLS

TRANSFER PACKAGE #7

7.1 JEFFERSON MIDDLE SCHOOL

7.2 WASHINGTON MIDDLE SCHOOL

**OUR SCHOOLS
OUR FUTURE**

FACILITIES MASTER PLAN, PHASE 1 2020

PROJECT MANAGEMENT TEAM

BLDD Architects

IDG Architects

O'Shea Builders

CJP Architects

Vasconcelles Engineering

Hanson Engineering

CONTENTS

7.1 Jefferson Middle School

Project Summary.....	7.1-2
Building Programs.....	7.1-3
Project Budget.....	7.1-6
Design Intent	
Design & Scope Diagrams.....	7.1-7
HPD/IDNR Plan.....	7.1-10
Project Schedule.....	7.1-11
Existing Conditions	
Floor Plans.....	7.1-12
Site Plans.....	7.1-14
Site Assessment.....	7.1-15

7.2 Washington Middle School

Project Summary.....	7.2-2
Building Programs.....	7.2-3
Project Budget.....	7.2-6
Design Intent	
Design & Scope Diagrams.....	7.2-7
HPD/IDNR Plan.....	7.2-11
Project Schedule.....	7.2-12
Existing Conditions	
Floor Plans.....	7.2-13
Site Plans.....	7.2-15
Site Assessment.....	7.2-16



JEFFERSON MIDDLE SCHOOL

PROJECT SUMMARY 7.1

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

JEFFERSON MIDDLE SCHOOL

Grades: 6–8 Enrollment: 541
Address: 3001 S. Allis St. Springfield, IL 62703
Year of original construction: 1957
Building additions: n/a

Phase 1 Design Objectives

- Create an addition to accommodate programs currently housed in temporary structures
- Provide new classroom and collaborative space for students and faculty
- Create student support spaces within the building
- Expand dining space to allow capacity of lunch service to seat all students in 3 or fewer periods
- Provide flexibility in the dining space to allow other functions to utilize the space outside of dining period

Site

- Develop outdoor seating and classroom space near dining

Building Construction

- Provide aesthetic that is complementary to existing Jefferson building
- Match existing masonry/exterior material construction with additions
- Match existing floor, paint, and ceiling finishes with products from the district standards
- Provide signage and wayfinding
- Extend flooring, paint patterns and schemes, ceilings, and other finishes with products matching or complementary products from the district standards
- Allow future additions to be accommodated

MEP

- Extend existing electrical service to a sub panel for distribution to additions
- Extend current HVAC systems and provide air conditioning to new areas via standalone systems
- Extend Fire Alarm, Fire Protection

Technology

- Extend existing security, data networks, Wi-Fi network, telecom, bell and paging systems

Construction Delivery Method

- This project is to be constructed via Design-Bid-Build.

BUILDING PROGRAM (FULL) 7.1

Jefferson Middle School	Sq Ft	QTY	Total Sq Ft	Area per Student	Students/Ed .Space	Total Students	Number of Usable Existing Spaces Available	Number of Spaces Deficient	New Spaces Required	Area (sf) of New Space Required	Renovate d Spaces Required	Area (sf) of Renovate d Spaces Required	Phase 1 Affected Spaces	New Spaces Required Phase 2	Phase 2 Area (sf) of New Space Required	COMMENTS
CORE EDUCATIONAL ENVIRONMENTS (CLASSROOMS)																
Classroom- AVID (Advancement Via Individual Determination)	850	2	1700	35	24	48	1	1						X	850	
Classroom- Foreign Language	850	2	1700	35	24	48	0	2						X	1700	
Classroom- Health	850	2	1700	35	24	48	0	2						X	1700	
Classroom- Language Arts	850	4	3400				9	-5			1	950	X			Classroom - designation to be determined with District.
Classroom- Math	850	4	3400	35	24	96	9	-5								
Classroom- Social Studies	850	4	3400	35	24	96	4									
ESL (English as a Second Language) Classroom	400	1	400	35	11	11	0	1								
PLTW (Project Lead the Art) Classroom	1200	1	1200	60	20	20	1									
FINE AND APPLIED ARTS/ PERFORMANCE SPACES																
Art Studio	1200	1	1200	50	24	24	0	1						X	1200	
Art Storage	200	2	400				1	1						X	200	
Chorus Room	950	1	950	25	38	38	0	1						X	950	
Chorus Storage	150	1	150				0	1						X	150	
Chorus Office	100	1	100				0	1						X	100	
Band Room	1400	1	1400	25	56	56	1									
Band Storage (General)	150	1	150				1									
Band Storage (Instruments)	150	1	150				0	1								
Band Office	100	1	100				0	1						X	100	
Auditorium with Stage (Large)	1200	1	1200				0	1						X	1200	
Stage Storage	200	1	200				1									
Stage Dressing Room	250	2	500				0	2						X	500	
Stage Control Room	250	1	250				0	1						X	250	
MEDIA CENTER/ LIBRARY SERVICES/ DISTANCE LEARNING LABS																
Media Center/ Library	1500	1	1500				1									
Media Center/ Library Storage	200	1	200				0	1						X	200	
Media Center/ Library Office	100	1	100				1									
Media Center/ Library Workroom	150	1	150				0	1						X	150	
Technology/IT Storage	300	1	300				1									
Electronic Device Storage	200	1	200				0	1						X	200	
Production Studio	800	1	800				0									
PHYSICAL EDUCATION/ ATHLETIC FACILITIES (INSIDE AND OUTSIDE, SUPPORT SPACES FOR COACHES/ TEAMS)																
PE Gymnasium (Regulation sized)	10000	1	10000				0	1						X	10000	
PE Gymnasium	6800	1	6800				1									
Physical Education Storage- Indoor equipment	400	1	400				0	1						X	400	
Physical Education Office	120	2	240				2									
Athletic Storage	600	1	600				0	1						X	600	
Ref/Umipre Room	100	1	100				0	1						X	100	
PE Locker Room- Men	1500	1	1500				1									
PE Locker Room- Women	1500	1	1500				1									
Training/Taping Room	250	1	250				0	1						X	250	
Athletic Display Space	50	1	50				1									
SPACES FOR STUDENTS WITH SPECIAL NEEDS (CLASSROOMS, SMALL LEARNING AREAS)																
Special Education- Large Classroom	500	3	1500	50	10	30	0	3	3	1380			X			
Special Education- Small Classroom	350	3	1050	50	7	21	0	3						X	1050	
Classroom- Life Skills	500	1	500	50	10	10	1									
Resource Room (Large)	300	3	900	50	6	18	0	3						X	900	
Resource Room (Small)	150	3	450	50	3	9	0	3	1	200			X			
Speech Classroom	125	1	125	50	3	3	0	1	1	200			X			
Speech Language Pathologist Office	100	1	100				0									
Occupational and Physical Therapy Room	150	1	150	150	1	1	0	1						X	150	
Office- SSS (Student Support Services)	100	1	100				2	-1								
Office- Children's MOSAIC Project (Community Social Work)	100	1	100				0	1						X	100	
Special Needs Single User Toilet (Changing)	125	1	125				1									
21ST CENTURY/ PERSONALIZED LEARNING (FLEXIBLE LEARNING SPACES, SMALL GROUP, WHOLE GROUP)																
General Classroom (Large) (STEM / Break-out/ Large Group Room	900	3	2700				0	3						X	2700	
Break-out/ Large Group Room	1000	1	1000				0	1						X	1000	
Break-out/ Small Group Room	500	1	500				0	1						X	500	
Student Storage (Lockers)	1000	2	2000				2									
LEARNING LABS (SCIENCE, TECHNOLOGY, MAKER SPACE)																
Maker Space	1000	1	1000				0	1						X	1000	
Project Based Learning Lab	1000	1	1000				0	1						X	1000	
Science Classroom	900	3	2700	40	23	69	3									
Science Lab	1500	3	4500	60	25	75	2	1						X	1500	
Science Storage	150	3	450				1	2						X	300	
Science Prep	300	3	900				0	3						X	900	
CAREER AND TECH PREP LABS (CULINARY, BUSINESS, ENGINEERING)																
N/A			0													Verify with District
RECEPTION/ LOBBY/ WELCOMING SPACE																
Lobby/Welcoming area	200	1	200				1									
Waiting Area	125	1	125				0	1						X	125	
Reception (General Office/Admin Assistant/Secretary)	400	1	400				1									
ADMINISTRATIVE SPACES (OFFICES, CONFERENCE ROOMS)																
Office- Principal	175	1	175				1									
Office- Assistant Principal	140	1	140				1									
Office- Dean	150	2	300				2									
Conference/ Meeting Room	175	2	350				1	1						X	175	
Work Room- Administrative	200	1	200				1									
Storage- Secure File	40	1	40				1									
Storage- General Administrative	200	1	200				1									
Administrative Dedicated Single User Toilet (office area)	75	2	150				3	-1								
Office- General (Admin / PA / Intern /	100	1	100				1									

BUILDING PROGRAM (FULL) 7.1

Jefferson Middle School	Sq Ft	QTY	Total Sq Ft	Area per Student	Students/Ed .Space	Total Students	Number of Usable Existing Spaces Available	Number of Spaces Deficient	New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	New Spaces Required Phase 2	Phase 2 Area (sf) of New Space Required	COMMENTS
Office- Safety/Security	100	1	100				0	1						X	100	
Office- Social Worker	100	1	100				1									
Office- Psychologist	100	1	100				0	1						X	100	
Office- ISS	200	1	200				1									
School Store	300	1	300				0	1						X	300	
FACULTY SUPPORT/ WORK SPACES																
Faculty Work Room (Large)	500	1	500				0	1						X	500	
Faculty Lounge Room (Large)	500	1	500				1									
Faculty Dedicated Single User Toilet	75	2	150				1	1						X	75	
Central Storage (Large)	300	1	300				0	1						X	300	
Storage (Books)	500	1	500				4	-3								
Conference/Meeting Room	500	1	500				0	1						X	500	
Conference/ Meeting Room (Small)	200	1	200				0	1						X	200	
Professional Development Storage	100	1	100				0	1						X	100	
HEALTH SERVICES																
Nurse Office	300	1	300				1									
Nurse (cot/bed space)	150	1	150				0	1						X	150	
Nurse Storage	15	1	15				0	1						X	15	
Nurse Dedicated Single User Toilet	75	1	75				0	1						X	75	
DINING AND FOOD SERVICE																
Multi-Purpose/Cafeteria Commons	4000	1	4000			0	0.375	0.625	1	1240			X			
Multi-Purpose/Cafeteria Commons Storage	400	1	400				0	1								
Faculty Staff Dining	650	1	650				0	1						X	650	
Food Service Kitchen	1500	1	1500				1									
Food Service Storage	750	1	750				0	1						X	750	
Food Service Dedicated Single User Toilet	75	0	0				1	-1								
Concession Stand	300	1	300				0	1						X	300	
COMMUNITY SPACES																
Multi-Purpose/ Community Room (Large)	900	1	900				0	1						X	900	
Conference Room- Parent Education	200	0	0				1	-1								
Office- Parent Educator	100	1	100				0	1						X	100	
F.A.C.E Family and Community Engagement- Storage	200	1	200				0	1						X	200	
BUILDING SERVICES/ FACILITIES MANAGEMENT SPACES																
Custodians' Closets	40	4	160				4									
Maintenance Central Storage	400	1	400				0	1						X	400	
Maintenance/Custodians' Office	100	1	100				0	1						X	100	
Laundry Room	150	1	150				0	1						X	150	
Receiving	650	1	650				0	1						X	650	
Electrical/ IT Room	100	2	200				0	2						X	200	
Electrical/ IT Storage	100	1	100				0	1						X	100	
OTHER																
Toilet- Single User	75	2	150				2							X		
Toilet- Men	350	4	1400				4									
Toilet- Women	350	4	1400				4									
Elevator + Machine Room	150	1	150				0	1			1	150	X			
District 186 Description of Work:							Subtotal			3,020		1,100	-		37,415	
Create fire resistant passageway - \$15,000																
Renovate 6 Toilet Rooms - \$750,000																
Elevator																
Enlarge Cafeteria																
Efficiency Factor		0.576	Total New Space at 57.6% Efficiency							5,247	0.71	1,547	-		65,005	

BUILDING PROGRAM (PHASE 1) 7.1

Jefferson Middle School				New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	COMMENTS
	Sq Ft	QTY	Total Sq Ft						
Classroom- Language Arts	850	4	3400			1	950	X	Classroom - designation to be determined with District.
Special Education- Large Classroom	500	3	1500	3	1380			X	
Resource Room (Small)	150	3	450	1	200			X	
Speech Classroom	125	1	125	1	200			X	
Multi-Purpose/Cafeteria Commons	4000	1	4000	1	1240			X	
Elevator + Machine Room	150	1	150			1	150	X	
District 186 Description of Work:			Subtotal		3,020		1,100	-	
Create fire resistant passageway - \$15,000	Efficiency Factor	0.576	Total New Space at 57.6% Efficiency		5,247	0.71	1,547	-	
Renovate 6 Toilet Rooms - \$750,000									
Elevator									
Enlarge Cafeteria									

PROJECT BUDGET 7.1

Jefferson Middle School Springfield School District 186

December 2, 2019

CONSTRUCTION BUDGET			\$2,578,284
BUILDING			\$2,270,466
Addition	5,247 sf	\$1,371,372.30	
Renovation	1,547 sf	\$899,093.75	
CONTINGENCY			\$307,818
Design Contingency	5%	\$113,523	
Bid Contingency	5%	\$119,199	
Construction Contingency	3%	\$75,096	

SOFT COSTS			\$276,565
SITE ACQUISITION AND EVALUATION			\$12,000
Land Purchase			
Topographical Survey		\$6,000	
Geotechnical Survey		\$6,000	
FEES AND SERVICES			\$212,580
Architect/ Engineering Design Fees	8.01%	\$194,490	
Interior Design Fees		\$3,500	
Food Service Consultant			
Theater, Lighting & Rigging Design Consultant			
Acoustical/Audio/Video Design Consultant			
Technology Design Services		\$1,699	
Reimbursable Expenses		\$12,891	
OTHER COSTS			\$51,985
Technology, Telecom, Security		\$16,985	
Furnishings, Fixtures, Equipment		\$35,000	

PROJECT BUDGET

\$2,854,850

DESIGN DIAGRAM 7.1

10/31/2019



JEFFERSON MIDDLE SCHOOL
3001 S ALLIS ST

FIRST FLOOR PLAN
SCALE: 1" = 50'-0"



DESIGN DIAGRAM 7.1

10/31/2019

- ASSEMBLY
- CLASSROOM
- SUPPORT
- RENOVATION



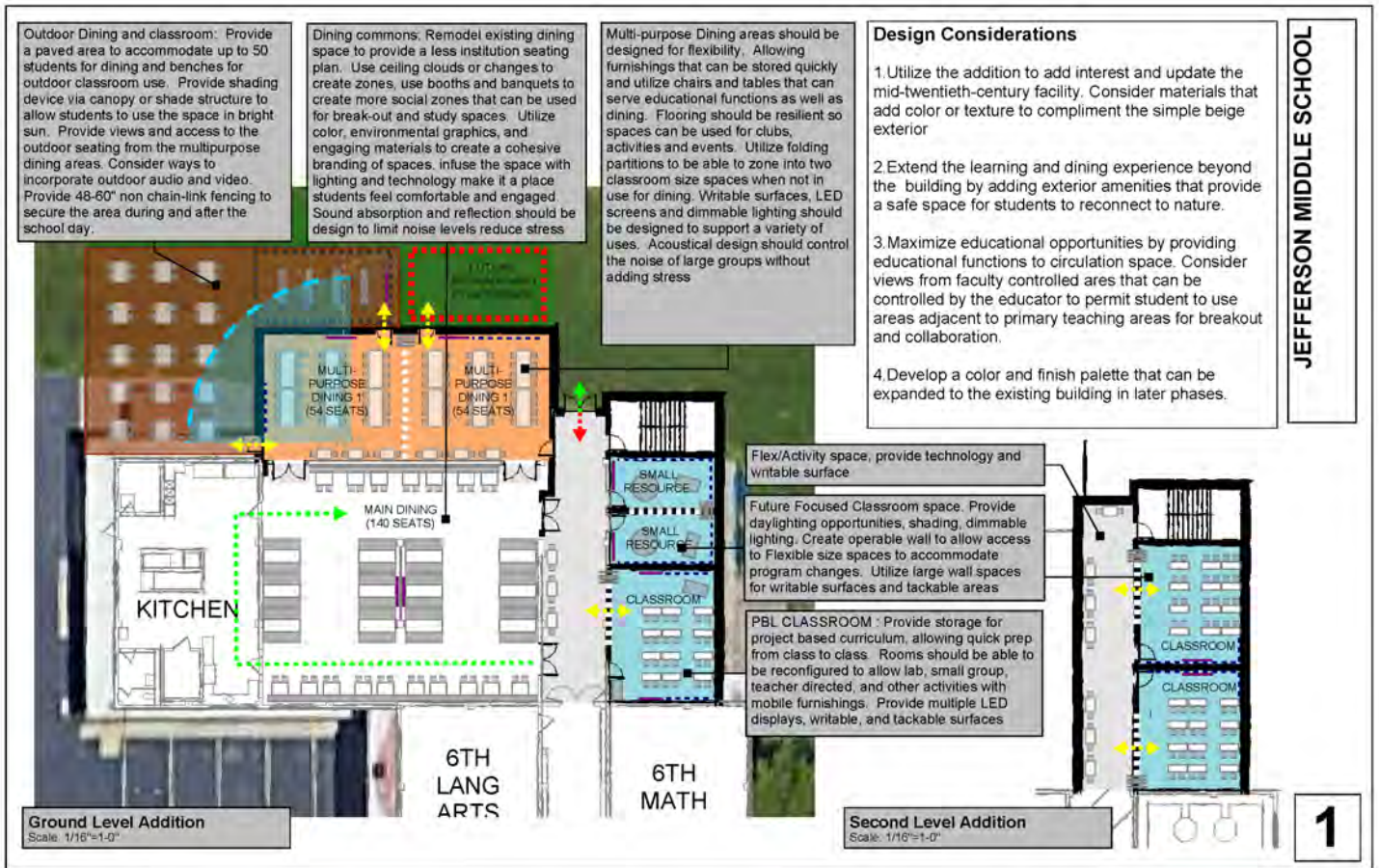
JEFFERSON MIDDLE SCHOOL
3001 S ALLIS ST

SECOND FLOOR PLAN
SCALE: 1" = 50'-0"



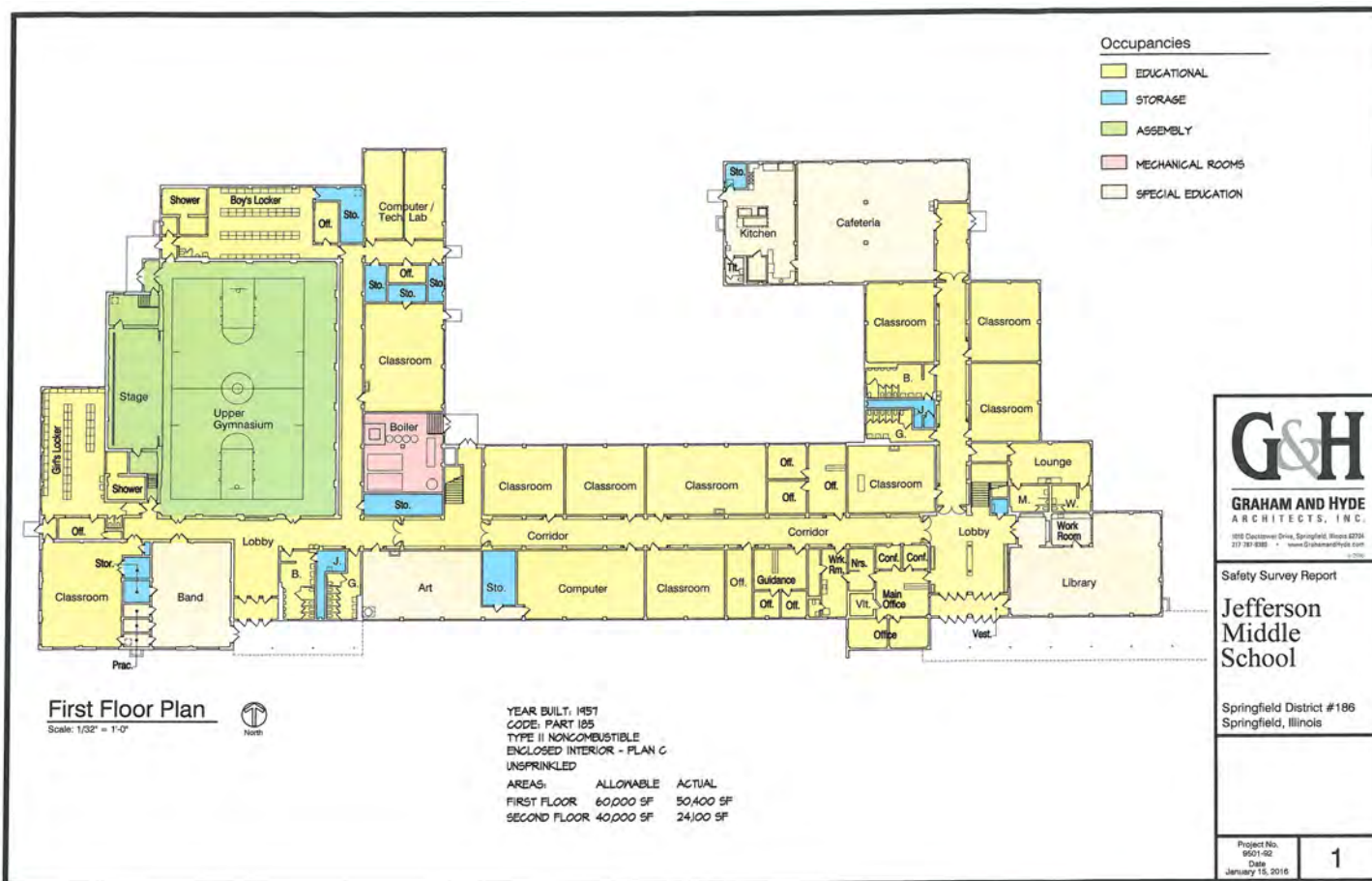
BLDD
ARCHITECTS
BLDD Project No. 196EX27.200

SCOPE DIAGRAM 7.1

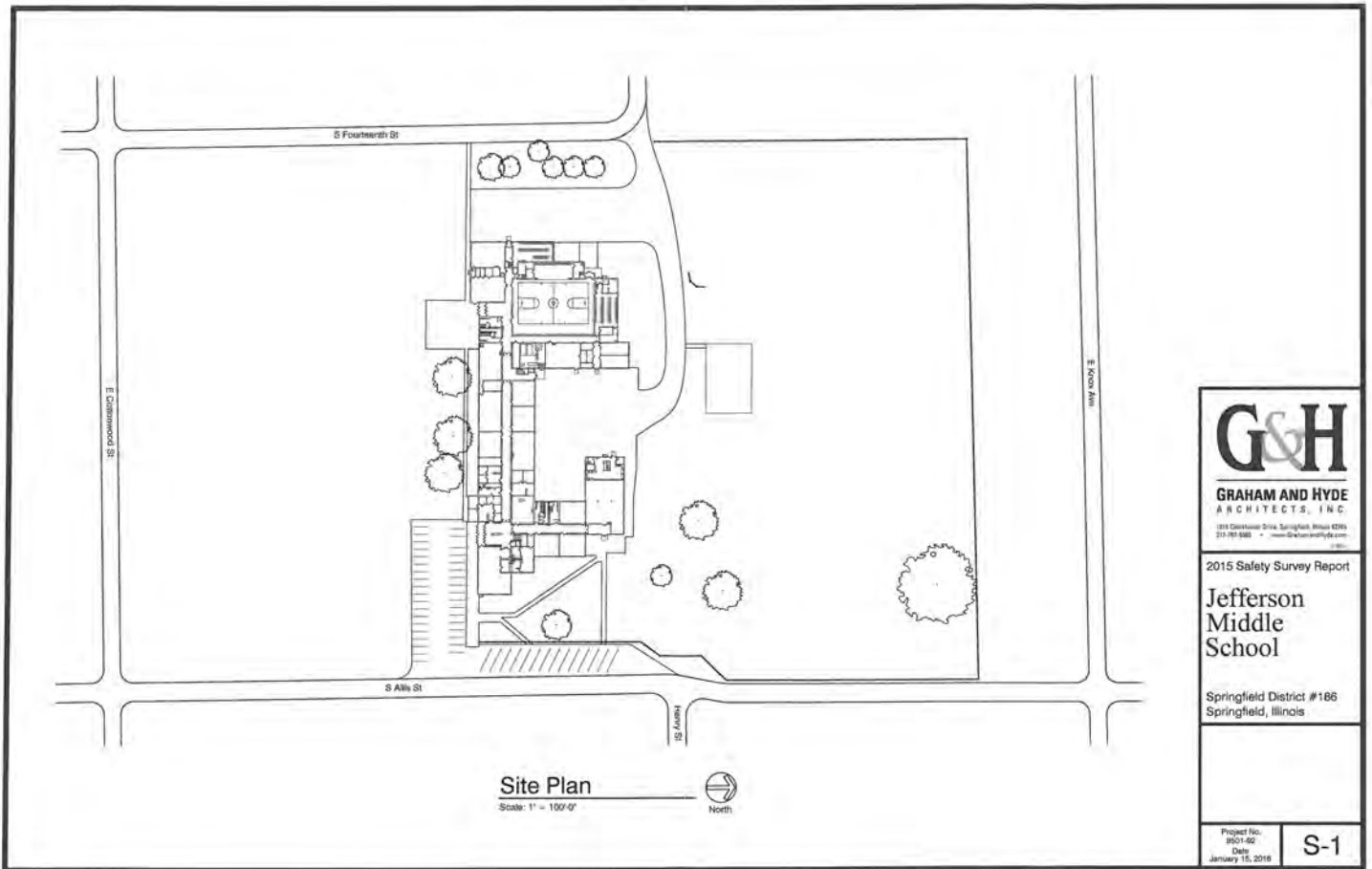


NOT APPLICABLE FOR
JEFFERSON MIDDLE SCHOOL

EXISTING CONDITIONS: FLOOR PLAN 7.1



EXISTING CONDITIONS: SITE PLAN 7.1



SPRINGFIELD
DISTRICT 186 SCHOOLS
JEFFERSON MIDDLE SCHOOL
SITE ASSESSMENT
OCTOBER 2019

JEFFERSON MIDDLE SCHOOL

I. GENERAL

- The proposed addition replaces grass surface with building.
- Easier access for truck deliveries to the cafeteria should be provided.
- We were told by the school district that there is an underground tank on the premises but there is no documentation showing where it is located.
- An e-mail from the Illinois Department of Natural Resources, noted their review of the Illinois Natural Heritage Database contained no record of State-listed threatened or endangered species, natural area inventory sites, nature preserves, or land and water reserves in the vicinity of this school.
- Vasconcelles Engineering Corporation (VEC) submitted a letter to the Illinois Historic Preservation Agency (IHPA) on September 18, 2019. As of October 15, 2019, we have not received any correspondence. (see attached letter)

II. DRAINAGE

- Drainage of the area will be difficult as the property is relatively flat. Inlets were noted in the west ditch line of Allis Street on the east side of the school.

III. SEWERS

- According to old plans the sanitary sewer service comes into the building on the north side and ties into the main that is located in Knox Ave. however, the Sangamon County Water Reclamation District has no record of a connection to that line by the school.

IV. ELECTRIC

- Electric service is from near the intersection of Bruce Avenue and South 14th Street. There are also other electric lines that are on the east, west, and south that service homes, street lights, and pole lights

V. GAS

- There is a 2” gas main on the school property from the west near the intersection of Bruce Avenue and South 14th Street.

VI. WATER

- There is a 6” main that runs east from South 14th Street to which the meter for the school is connected.

VII. DETENTION

- If the existing inlets on the east side of the school outlet to the 10” sewer line to the south, the detention storage could potentially be connected to a Sangamon County Water Reclamation District combined sewer system so there would be a requirement for the 100-year frequency flood event to be released at the 10-year frequency discharge rate. The storage could be placed beneath the pavement for the truck access. Underground storage systems would need to be protected against potential groundwater infiltration to the system.

VIII. UNDERMINING

- The school property is located in an underground mine region.

IX. EXTERNAL FLOOD

- The school property is not depicted on a Flood Insurance Rate Map as there is not special flood hazard area in the vicinity of the school.

X. GEOTHERMAL

- This school has a geothermal system that is located on the north side of the school.



J-4

AERIAL 2018-10-16



AERIAL 2014-03-16



PARCELS



Parcels 003, 004, and 005 south of the school are owned by District 186.

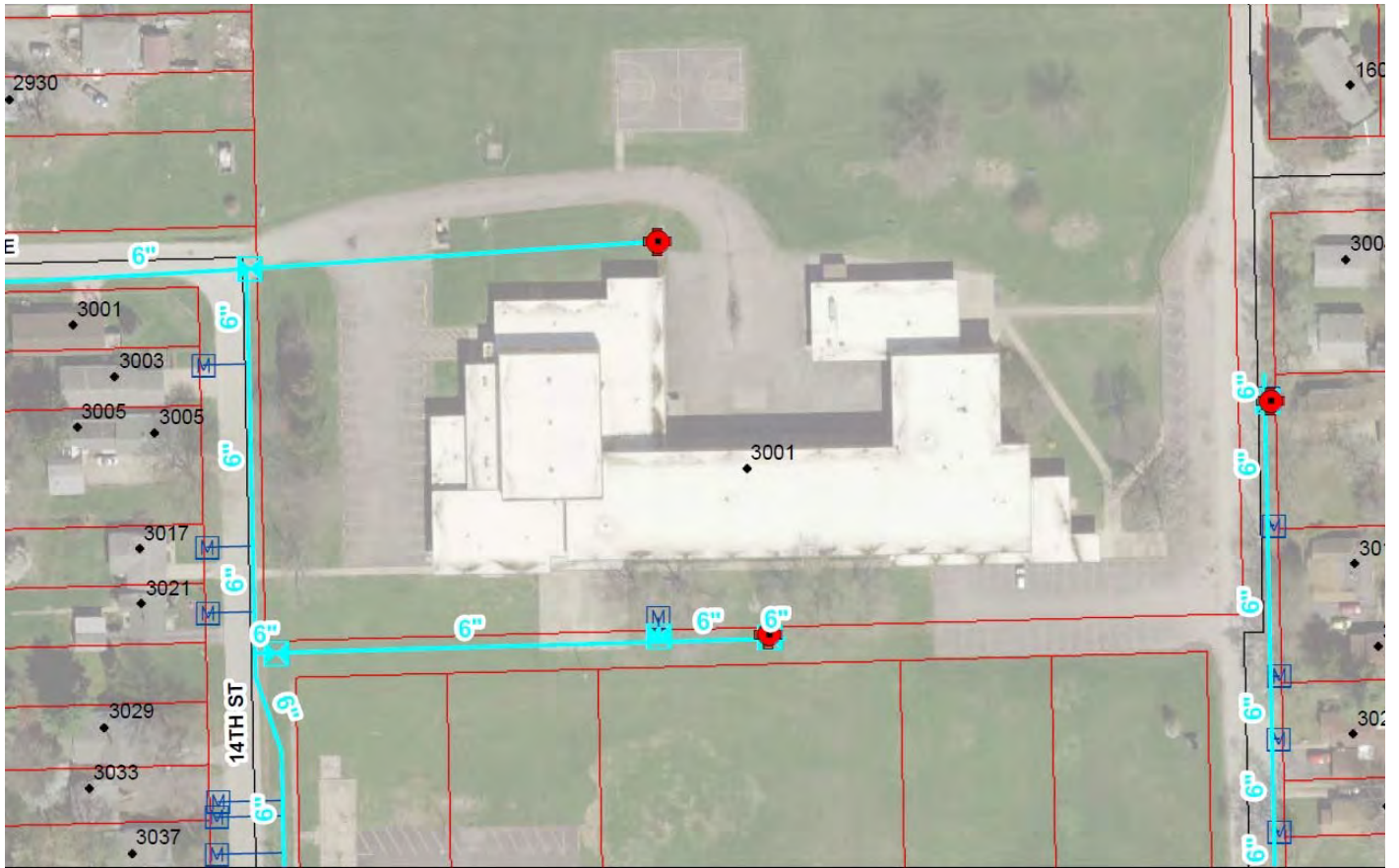
2007 CONTOURS



SEWER MAP

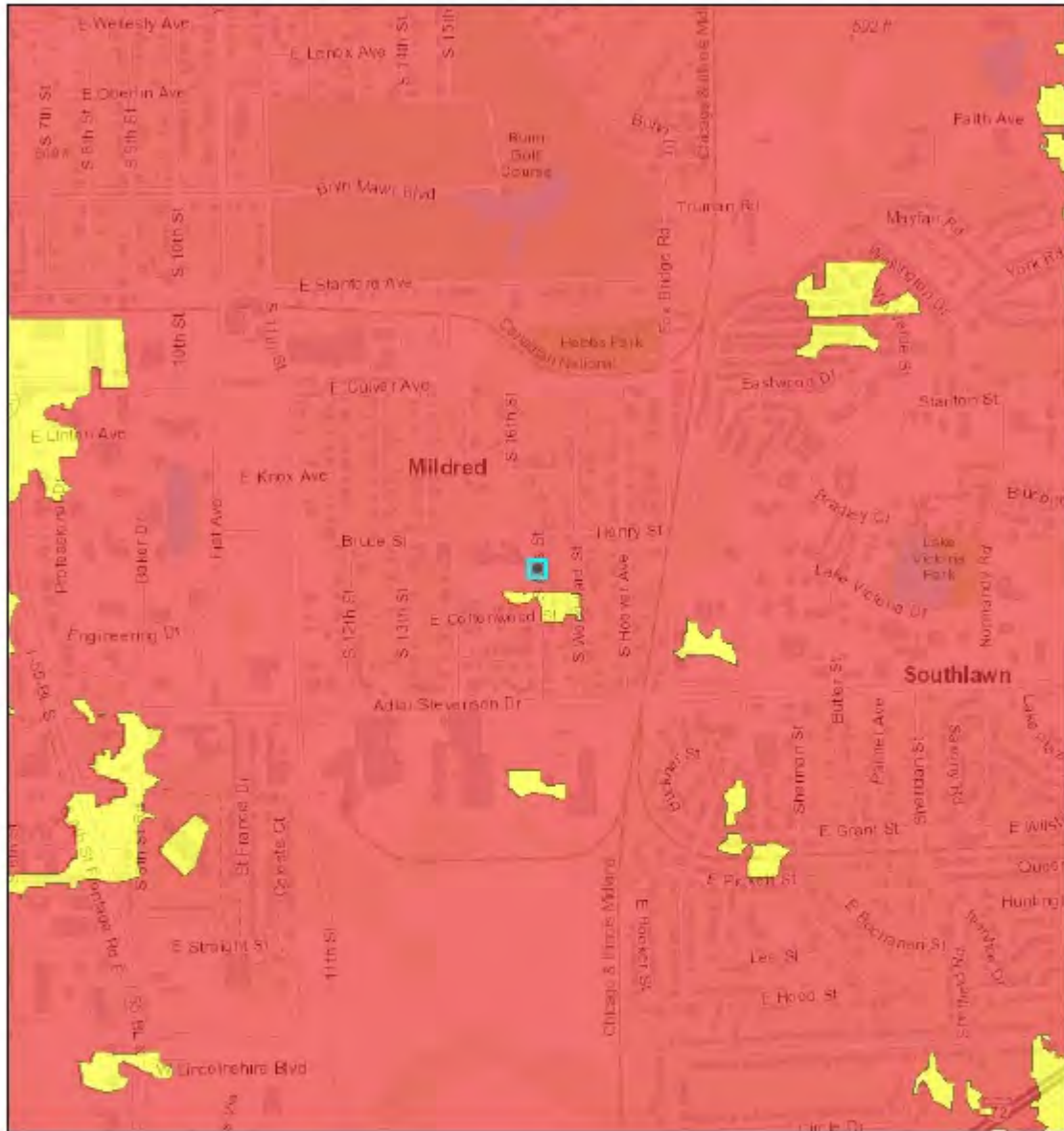


WATER MAP



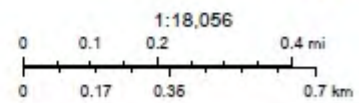
UNDERGROUND MINE MAP

Illinois State Geological Survey -- ILMINES



9/16/2019, 11:27:32 AM

- Underground Mine Buffer Region
- Non Coal Mines
- Underground Coal Mines
- Underground
- Indefinite Underground Mine Boundary
- Surface
- Non Coal Mine Shaft
- Coal Mine Shaft



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Illinois State Geological Survey -- ILMINES
Prairie Research Institute, University of Illinois

Applicant: Vasconcelles Engineering Corp
Contact: Steve Kuper
Address: 2417 West White Oaks Dr.
Springfield, IL 62704

IDNR Project Number: 2003197
Date: 09/26/2019

Project: Jefferson Middle School
Address: 3001 Allis Street, Springfield

Description: Building Addition

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database contains no record of State-listed threatened or endangered species, Illinois Natural Area Inventory sites, dedicated Illinois Nature Preserves, or registered Land and Water Reserves in the vicinity of the project location.

Consultation is terminated. This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary. Termination does not imply IDNR's authorization or endorsement.

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Sangamon

Township, Range, Section:
15N, 5W, 10



IL Department of Natural Resources

Contact

Brian Willard
217-785-5500
Division of Ecosystems & Environment

Government Jurisdiction

IL Environmental Protection Agency
Amy L. Dragovich, P.E.
1021 North Grand Ave. East
P.O. Box 19276
Springfield, Illinois 62701

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.
2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.
3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

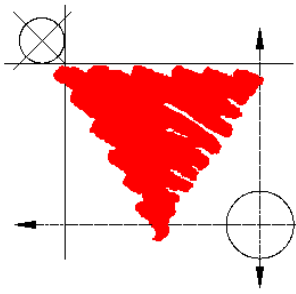
Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.



vasconcelles

engineering corporation

Principals

James Vasconcelles
Mark Vasconcelles, P.E.
Shayla Pfaffe, P.L.S.
Trent Dalton
Steve Kuper
Wendi Wallner

September 18, 2019

Anne E. Haaker
Illinois Historic Preservation Agency
1 Old State Capitol Plaza
Springfield, IL 62701

RE: Jefferson Middle School, Springfield, IL

Dear Ms. Haaker:

The Springfield Public Schools are planning to construct an addition to Jefferson Middle School, 3001 Allis Street, Springfield, IL. Enclosed is a general location map to assist you in understanding the location of the proposed addition.

We will be filling out the Notice of Intent for the Illinois Environmental Protection Agency NPDES permit and wanted to consult your office in regards to Historic Preservation.

I am requesting your review of this information. If you have any questions or need additional information, please feel free to contact me.

Sincerely,

VASCONCELLES ENGINEERING CORPORATION

Steven D. Kuper

Enclosure

sdk
677-191

Consulting Engineers

Springfield Office
2417 West White
Oaks Drive
Springfield, IL 62704

217.698.3114
Fax 217-698-3115

1.800.727.4VEC

E-mail
vec@vasconcelles.com



WASHINGTON MIDDLE SCHOOL

PROJECT SUMMARY 7.2

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

WASHINGTON MIDDLE SCHOOL

Grades: 6–8 Enrollment: 638
Address: 2300 E. Jackson St. Springfield, IL 62703
Year of original construction: 1957
Building additions: n/a

Phase 1 Design Objectives

- Create an addition to accommodate programs currently housed in temporary structures
- Provide new classroom and collaborative space for students and faculty
- Create student support spaces within the building
- Expand dining space to allow capacity of lunch service to seat all students in 3 or fewer periods
- Provide flexibility in the dining space to allow other functions to utilize the space outside of dining period

Site

- Develop outdoor seating and classroom space near dining

Building Construction

- Provide aesthetic that is complementary to existing Washington building
- Match existing masonry/exterior material construction with additions
- Match existing floor, paint, and ceiling finishes with products from the district standards
- Provide signage and wayfinding
- Extend flooring, paint patterns and schemes, ceilings, and other finishes with products matching or complementary products from the district standards
- Allow future additions to be accommodated

MEP

- Extend existing electrical service to a sub panel for distribution to additions
- Extend current HVAC systems and provide air conditioning to new areas via standalone systems
- Extend Fire Alarm, Fire Protection

Technology

- Extend existing security, data networks, Wi-Fi network, telecom, bell and paging systems

Construction Delivery Method

- This project is to be constructed via Design-Bid-Build.

BUILDING PROGRAM (FULL) 7.2

Washington Middle School	Sq Ft	QTY	Total Sq Ft	Area per Student	Students/Ed. Space	Total Students	Number of Usable Existing Spaces Available	Number of Spaces Deficient	New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	New Spaces Required Phase 2	Phase 2 Area (sf) of New Space Required	COMMENTS
CORE EDUCATIONAL ENVIRONMENTS (CLASSROOMS)																
Classroom- AVID (Advancement Via Individual Determination)	850	2	1700	35	24	48	2									
Classroom- Foreign Language	850	0														
Classroom- Health	850	2	1700	35	24	48	0	2	2	1800			X			Verify with District
Classroom- Language Arts	850	6	5100				5	1	1	900			X			Verify with District
Classroom- Math	850	6	5100	35	24	144	8	-2								
Classroom- Social Studies	850	6	5100	35	24	144	6									
ESL (English as a Second Language) Classroom	400	2	800	35	11	22	1	1	1	380			X			
PLTW (Project Lead the Way) Classroom	1200	1	1200	60	20	20	0	1	1	900			X			
FINE AND APPLIED ARTS/ PERFORMANCE																
Art Studio	1200	2	2400	50	24	48	1	1	1	1000			X			
Art Storage	200	2	400				0	2	1	270			X			
Chorus Room	950	1	950	25	38	38	0	1						X	950	
Chorus Storage	150	1	150				0	1						X	150	
Chorus Office	100	1	100				0	1						X	100	
Band Room	1400	1	1400	25	56	56	1									
Band Storage (General)	150	1	150				0	1						X	150	
Band Storage (Instruments)	150	1	150				1									
Band Office	100	1	100				0	1						X	100	
Auditorium with Stage (Large)	1200	1	1200				0	1						X	1200	
Stage Storage	200	1	200				0	1						X	200	
Stage Dressing Room	250	2	500				0	2						X	500	
Stage Control Room	250	1	250				0	1						X	250	
MEDIA CENTER/ LIBRARY SERVICES/ DISTANCE LEARNING LABS																
Media Center/ Library	1500	1	1500				1									
Media Center/ Library Storage	200	1	200				0	1						X	200	
Media Center/ Library Office	100	1	100				0	1						X	100	
Media Center/ Library Workroom	150	1	150				0	1						X	150	
Technology/IT Storage	300	1	300				0	1						X	300	
Electronic Device Storage	200	1	200				0	1						X	200	
Production Studio	800		0													
PHYSICAL EDUCATION/ ATHLETIC FACILITIES (INSIDE AND OUTSIDE, SUPPORT SPACES FOR COACHES/ TEAMS)																
PE Gymnasium (Regulation sized)	12000	1	12000				0	1						X	12000	
PE Gymnasium	6800	1	6800				1									
Physical Education Storage- Indoor equipment	400	1	400				0	1						X	400	
Physical Education Office	120	2	240				1	1								
Athletic Storage	600	1	600				0	1						X	600	
Ref/Umpire Room	100	1	100				0	1						X	100	
PE Locker Room- Men	1500	1	1500				1									
PE Locker Room- Women	1500	1	1500				1									
Training/Taping Room	250	1	250				0	1						X	250	
Athletic Display Space	50	1	50				1									
SPACES FOR STUDENTS WITH SPECIAL NEEDS (CLASSROOMS, SMALL LEARNING AREAS)																
Special Education- Large Classroom	500	3	1500	50	10	30	3									
Special Education- Small Classroom	350	3	1050	50	7	21	2	1			1	390	X			
Classroom- Life Skills	500	1	500	50	10	10	1									
Resource Room (Large)	300	3	900	50	6	18	0	3			2	565	X			
Resource Room (Small)	150	3	450	50	3	9	1	2	4	720			X			
Speech Classroom	125	1	125	50	3	3	1									
Speech Language Pathologist Office	100	1	100				0	1	1	100			X			
Occupational and Physical Therapy Room	150	1	150	150	1	1	0	1						X	150	
Office- SSS (Student Support Services)	100	1	100				1									
Office- Children's MOSAIC Project (Community Social Work)	100	1	100				0	1						X	100	
Special Needs Single User Toilet (Changing)	125	1	125				0	1			1	100	X			
21ST CENTURY/ PERSONALIZED LEARNING (FLEXIBLE LEARNING SPACES, SMALL GROUP, WHOLE GROUP)																
General Classroom (Large) (STEM / STEAM??)	1000	3	3000				0	3						X	3000	
Break-out/ Large Group Room	1000	1	1000				0	1						X	1000	
Break-out/ Small Group Room	500	1	500				0	1						X	500	
Student Storage (Lockers)	1000	2	2000				2									
LEARNING LABS (SCIENCE, TECHNOLOGY, MAKER SPACE)																
Maker Space	1000	1	1000				0	1						X	1000	
Project Based Learning Lab	1000	1	1000				0	1						X	1000	
Science Classroom	900	3	2700	40	23	69	1	2	2	1800			X			
Science Lab	1500	3	4500	60	25	75	4	-1								
Science Storage	150	3	450				1	2						X	300	
Science Prep	300	3	900				0	3						X	900	
RECEPTION/ LOBBY/ WELCOMING SPACE																
Lobby/Welcoming area	200	1	200				2	-1								
Waiting Area	125	1	125				0	1						X	125	
Reception (General Office/Admin Assistant/Secretary)	400	1	400				1									
ADMINISTRATIVE SPACES (OFFICES, CONFERENCE ROOMS)																
Office- Principal	175	1	175				1									
Office- Assistant Principal	140	1	140				2	-1								
Office- Dean	150	2	300				2									
Conference/ Meeting Room	175	2	350				0	2	1	165	1	180	X			
Work Room- Administrative	200	1	200				0	1						X	200	
Storage- Secure File	40	1	40				0	1						X	40	
Storage- General Administrative	200	1	200				0	1						X	200	
Administrative Dedicated Single User Toilet (office area)	75	2	150				2									
Office- General (Admin / PA / Intern / Other)	100	1	100				1									
Office- Safety/Security	100	1	100				0	1						X	100	
Office- Social Worker	100	1	100				1									
Office- Psychologist	100	1	100				0	1						X	100	
Office- ISS	200	1	200				0	1						X	200	
School Store	300	1	300				0	1						X	300	
FACULTY SUPPORT/ WORK SPACES																
Faculty Work Room (Large)	500	1	500				0	1						X	500	
Faculty Work Room (Small)	250		0				1	-1								

BUILDING PROGRAM (FULL) 7.2

Washington Middle School										Area (sf) of New Space Required	Renovate d Spaces Required	Area (sf) of Renovate d Spaces Required	Phase 1 Affected Spaces	New Spaces Required Phase 2	Phase 2 Area (sf) of New Space Required	COMMENTS
Sq Ft	QTY	Total Sq Ft	Area per Student	Students/Ed . Space	Total Students	Number of Usable Existing Spaces Available	Number of Spaces Deficient	New Spaces Required	Area (sf) of New Space Required	Renovate d Spaces Required	Area (sf) of Renovate d Spaces Required	Phase 1 Affected Spaces	New Spaces Required Phase 2	Phase 2 Area (sf) of New Space Required	COMMENTS	
Faculty Lounge Room (Large)	500	1	500			0	1									
Faculty Break Room (Small)	200	1	0			1	-1									
Faculty Dedicated Single User Toilet	75	2	150			2										
Central Storage (Large)	300	1	300			0	1						X	300		
Storage (Books)	500	1	500			2	-1									
Conference/Meeting Room	500	1	500			1										
Conference/ Meeting Room (Small)	200	1	200			1										
Professional Development Storage	100	1	100			1										
HEALTH SERVICES																
Nurse Office	300	1	300			1										
Nurse (cot/bed space)	150	1	150			0	1						X	150		
Nurse Storage	15	1	15			0	1						X	15		
Nurse Dedicated Single User Toilet	75	1	75			0	1						X	75		
DINING AND FOOD SERVICE																
Multi-Purpose/Cafeteria Commons	4500	1	4500			0.5	0.5	1	1800			X				
Multi-Purpose/Cafeteria Commons Storage	400	1	400			0	1	1	200			X				
Faculty Staff Dining	650	1	650			1										
Food Service Kitchen	1500	1	1500			1										
Food Service Storage	750	1	750			1										
Concession Stand	300	1	300			0	1						X	300		
COMMUNITY SPACES																
Multi-Purpose/ Community Room (Large)	1000	1	1000			0	1						X	1000		
Office- Parent Educator	100	1	100			1										
F.A.C.E Family and Community Engagement- Storage	200	1	200			1										
BUILDING SERVICES/ FACILITIES MANAGEMENT SPACES																
Custodians' Closets	40	4	160			3	1						X	40		
Maintenance Central Storage	400	1	400			0	1						X	400		
Maintenance/Custodians' Office	100	1	100			1										
Laundry Room	150	1	150			0	1						X	150		
Receiving	650	1	650			0	1						X	650		
Electrical/ IT Room	100	2	200			1	1						X	100		
Electrical/ IT Storage	100	1	100			0	1						X	100		
OTHER																
Toilet- Single User	75	2	150			3	-1									
Toilet- Men	350	4	1400			4										
Toilet- Women	350	4	1400			4										
Elevator + Machine Room	150	1	150			0	1			1	175	X				
District 186 Description of Work:																
10 yr H/LS Item - \$15,000						Subtotal			10,035		1,410	-		30,895		
Masonry Restoration - Lintels - \$100,000																
Renovate 6 Toilet Rooms - \$750,000																
Elevator																
11,778 Sq Ft Addition to Remove Portables																
4,444 Sq Ft Enlarge Cafeteria																
Efficiency Factor	0.714	Total New Space at 71.4% Efficiency							14,052	0.65	2,167	-		43,262		

BUILDING PROGRAM (PHASE 1) 7.2

Washington Middle School				New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	COMMENTS
	Sq Ft	QTY	Total Sq Ft						
Classroom- Health	850	2	1700	2	1800			X	
Classroom- Language Arts	850	6	5100	1	900			X	
ESL (English as a Second Language) Classroom	400	2	800	1	380			X	
PLTW (Project Lead the Way) Classroom	1200	1	1200	1	900			X	
Art Studio	1200	2	2400	1	1000			X	
Art Storage	200	2	400	1	270			X	
Special Education- Small Classroom	350	3	1050			1	390	X	
Resource Room (Large)	300	3	900			2	565	X	
Resource Room (Small)	150	3	450	4	720			X	
Speech Language Pathologist Office	100	1	100	1	100			X	
Special Needs Single User Toilet (Changing)	125	1	125			1	100	X	
Science Classroom	900	3	2700	2	1800			X	
Conference/ Meeting Room	175	2	350	1	165	1	180	X	
Multi-Purpose/Cafeteria Commons	4500	1	4500	1	1800			X	
Multi-Purpose/Cafeteria Commons Storage	400	1	400	1	200			X	
Elevator + Machine Room	150	1	150			1	175	X	
District 186 Description of Work:			Subtotal		10,035		1,410	-	
10 yr H/LS Item - \$15,000									
Masonry Restoration - Lintels - \$100,000									
Renovate 6 Toilet Rooms - \$750,000									
Elevator									
11,778 Sq Ft Addition to Remove Portables									
4,444 Sq Ft Enlarge Cafeteria									
	Efficiency Factor	0.714	Total New Space at 71.4% Efficiency		14,052	0.65	2,167	-	

PROJECT BUDGET 7.2

District 186 • Springfield Public Schools

December 2, 2019

CONSTRUCTION BUDGET	\$5,897,000
----------------------------	--------------------

CONSTRUCTION	\$5,193,000
---------------------	--------------------

Foundation	14,052 sf	\$4,097,046.00
Foundation	2,167 sf	\$1,096,028.00

CONTINGENCY	\$700,000
--------------------	------------------

Contingency	5%	\$259,654
Contingency	5%	\$272,636
Construction Contingency	3%	\$171,761

PRELIMINARY COSTS	\$697,000
--------------------------	------------------

ACQUISITION AND EVALUATION	\$300,000
-----------------------------------	------------------

Purchase		
Topographical Survey		\$15,000
Technical Survey		\$15,000

PROFESSIONAL SERVICES	\$497,000
------------------------------	------------------

Architect/ Engineering Design Fees	8.01%	\$444,844
Interior Design Fees		\$13,500
Service Consultant		
Architect, Lighting & Rigging Design Consultant		
Acoustic/Audio/Video Design Consultant		
Technology Design Services		\$4,055
Unrecoverable Expenses		\$29,486

PRELIMINARY COSTS	\$170,000
--------------------------	------------------

Technology, Telecom, Security		\$40,548
Furniture, Fixtures, Equipment		\$135,000

DESIGN DIAGRAM 7.2

10/31/2019



WASHINGTON MIDDLE SCHOOLE
2300 E JACKSON ST

FIRST FLOOR PLAN
SCALE: 1" = 50'-0"



DESIGN DIAGRAM 7.2

10/31/2019

- MEDIA / ARTS
- CLASSROOM
- ADMINISTRATION
- ASSEMBLY
- SUPPORT
- CIRCULATION
- RENOVATED

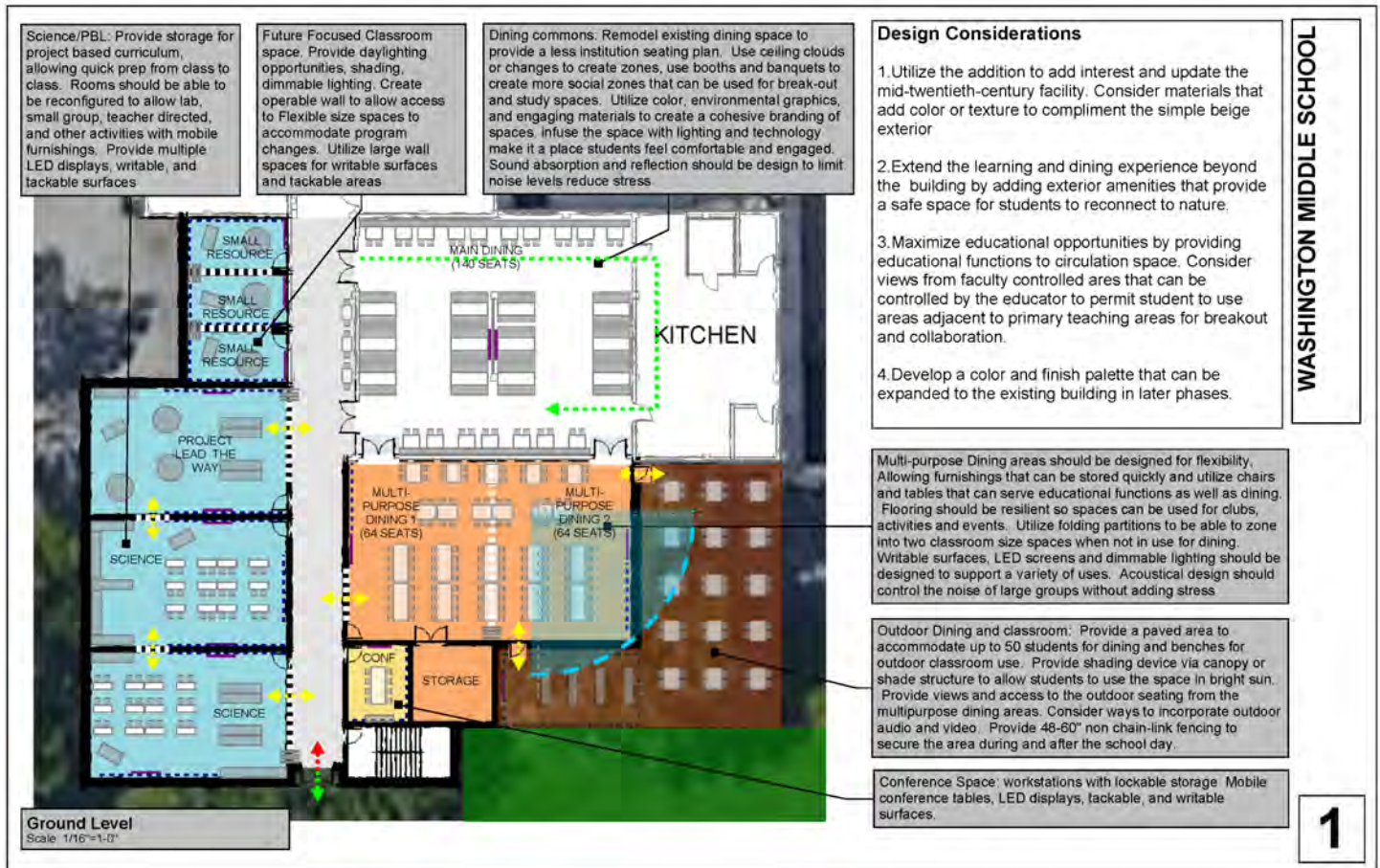


SECOND FLOOR PLAN
SCALE: 1" = 50'-0"

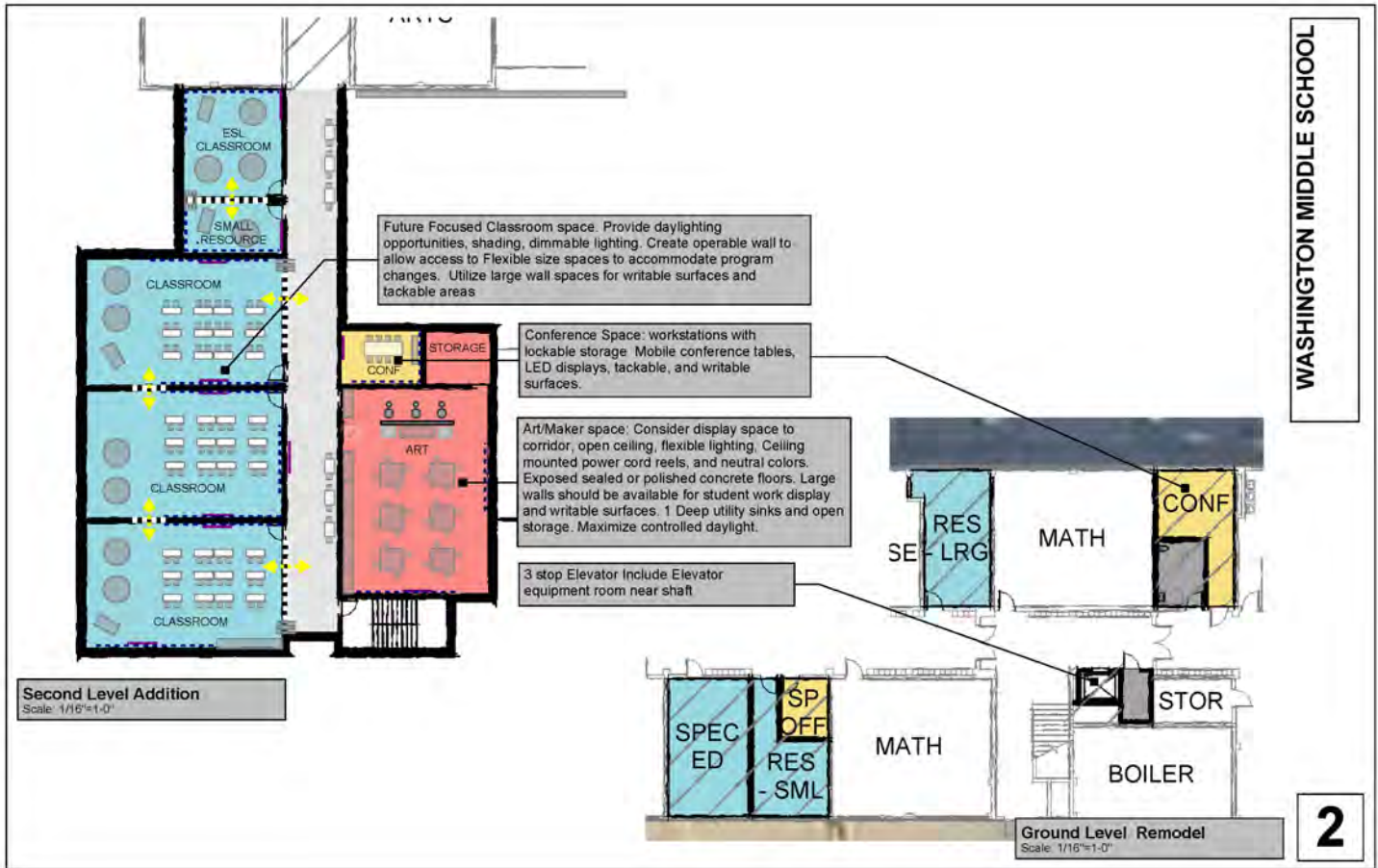
WASHINGTON MIDDLE SCHOOL
2300 E JACKSON ST



SCOPE DIAGRAM 7.2

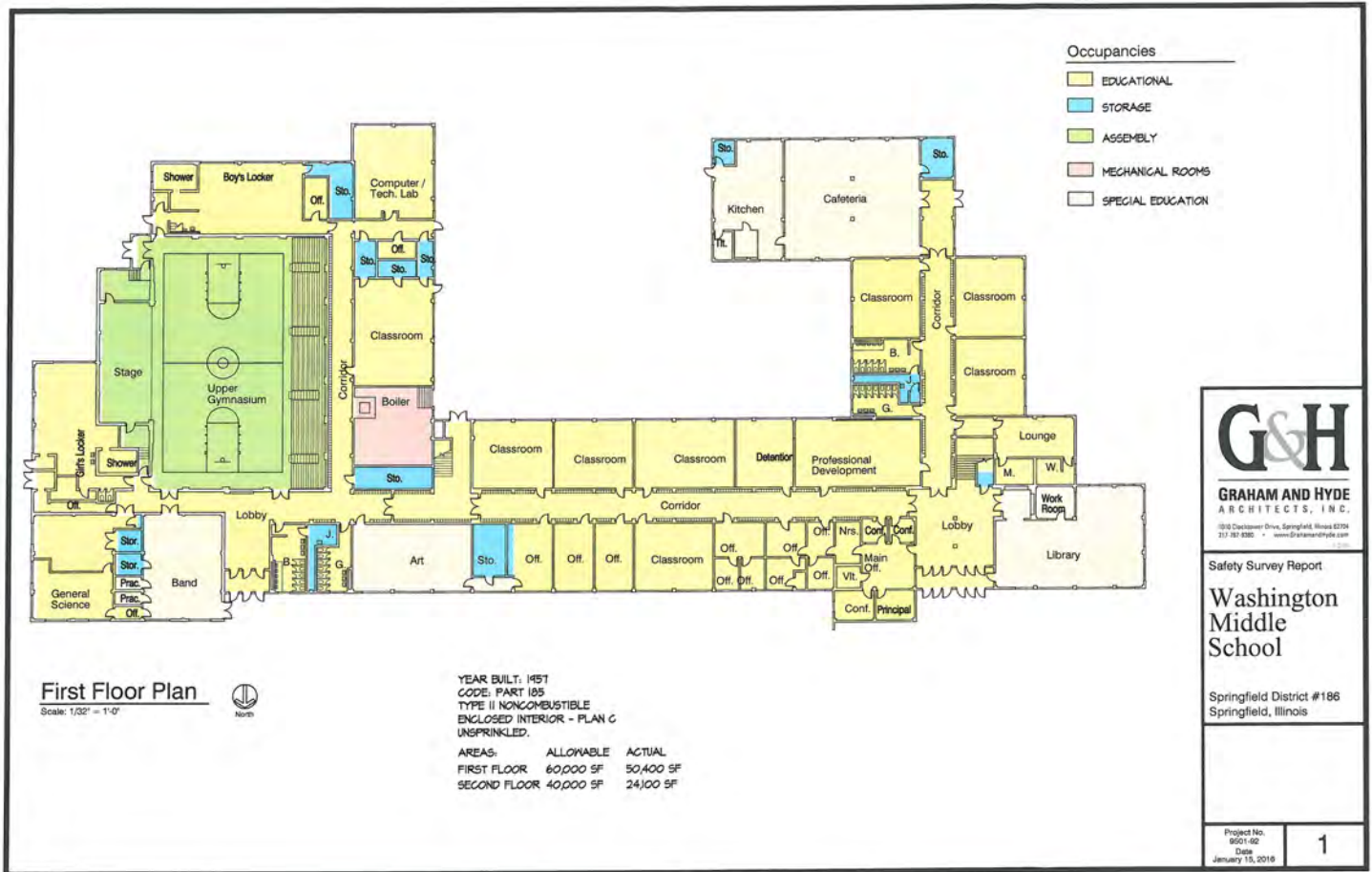


SCOPE DIAGRAM 7.2



NOT APPLICABLE FOR
WASHINGTON MIDDLE SCHOOL

EXISTING CONDITIONS: FLOOR PLAN 7.2



EXISTING CONDITIONS: SITE PLAN 7.2



G&H
GRAHAM AND HYDE
 ARCHITECTS, INC.
 1218 Dickerson Drive, Springfield, Illinois 62708
 217-781-8882 • www.grahamandhyde.com

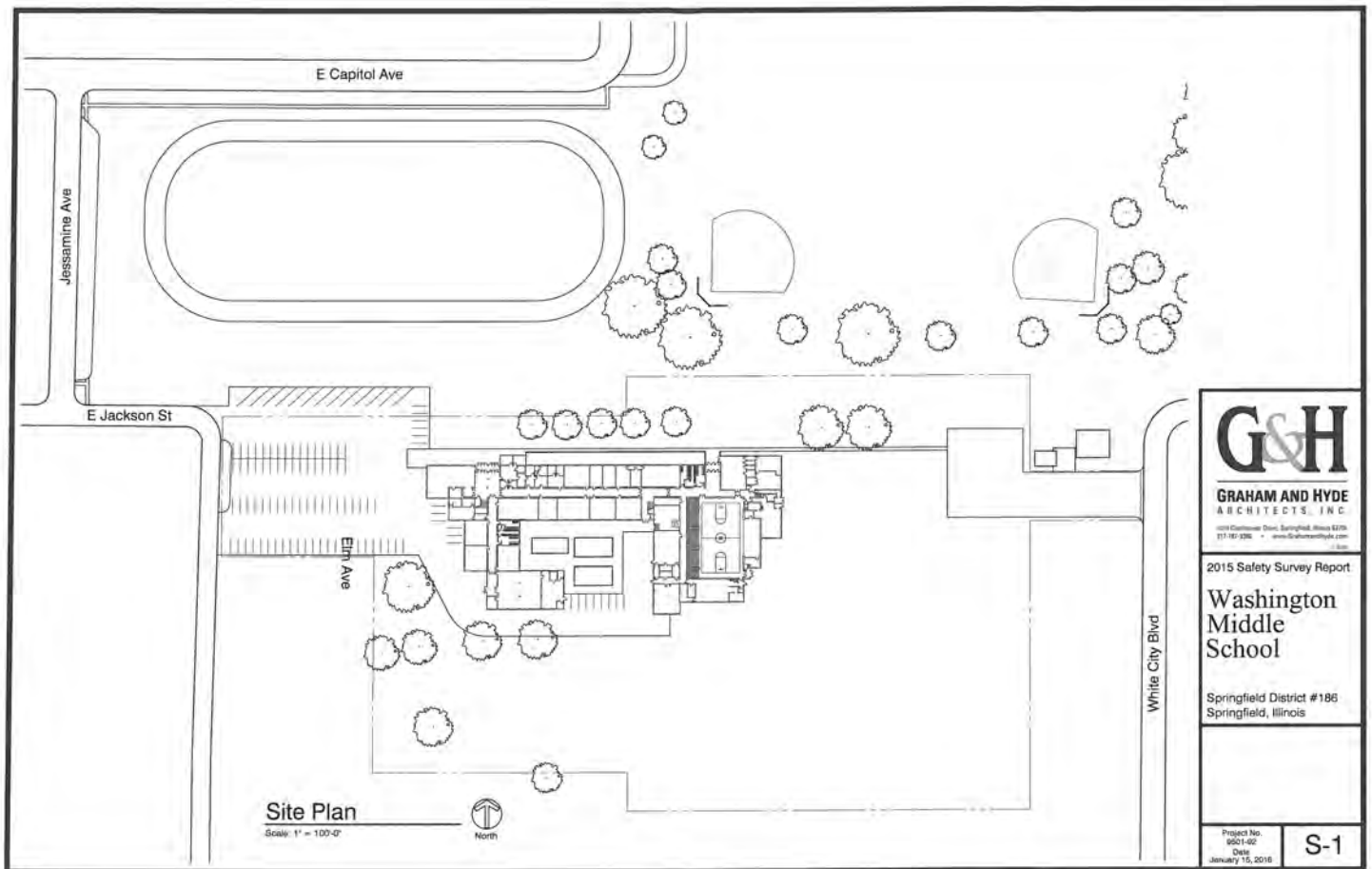
Safety Survey Report

Washington Middle School

Springfield District #186
 Springfield, Illinois

Project No. 9501-02	2
Date January 15, 2016	

EXISTING CONDITIONS: SITE PLAN 7.2



SPRINGFIELD
DISTRICT 186 SCHOOLS
WASHINGTON MIDDLE SCHOOL
SITE ASSESSMENT
OCTOBER 2019

WASHINGTON MIDDLE SCHOOL

I. GENERAL

- The proposed additions replace grass surfaces and paved areas with building. Anticipate that the loss of access to parking and play area is to be replaced.
- Access from the north and east is too open.
- An e-mail from the Illinois Department of Natural Resources, noted their review of the Illinois Natural Heritage Database contained no record of State-listed threatened or endangered species, natural area inventory sites, nature preserves, or land and water reserves in the vicinity of this school.
- Vasconcelles Engineering Corporation (VEC) submitted a letter to the Illinois Historic Preservation Agency (IHPA) on September 18, 2019. As of October 15, 2019, we have not received any correspondence. (see attached letter)

II. DRAINAGE

- Drainage of the area will be difficult as the property is relatively flat and has depressed areas on the school property. Inlets were noted in the south side of East Jackson Street on both sides of White City Boulevard.

III. SEWERS

- There is a 90” concrete combined sewer line on the north side of the school, at about the center of East Jackson Street east and west of the school property. There is also a 72” concrete combined sewer line that cuts through the school property from northeast, near the intersection of East Jackson Street and White City Boulevard, to southwest. There is a private sewer line that runs from the school south to the 72” sewer.

IV. ELECTRIC

- Electric service is primarily from the south and east. There are electric lines on the west, east, and south sides of the school that services the lights in the parking lots and grass areas.

V. GAS

- There is a 6” gas main running north and south in South Elm Avenue and a 2” gas main running north and south in White City Boulevard.

VI. WATER

- There is a 6” water main that runs east from Elm Avenue along the north side of the school, around the east side of the school, to the fire hydrant on the south side of the school.

VII. DETENTION

- The detention storage would be connected to a Sangamon County Water Reclamation District combined sewer system so there would be a requirement for the 100-year frequency flood event to be released at the 10-year frequency discharge rate. Underground storage systems would need to be protected against potential groundwater infiltration to the system.

VIII. UNDERMINING

- The school property is located in an underground mine region.

IX. EXTERNAL FLOOD

- The school property is not depicted on a Flood Insurance Rate Map as there is not special flood hazard area in the vicinity of the school.

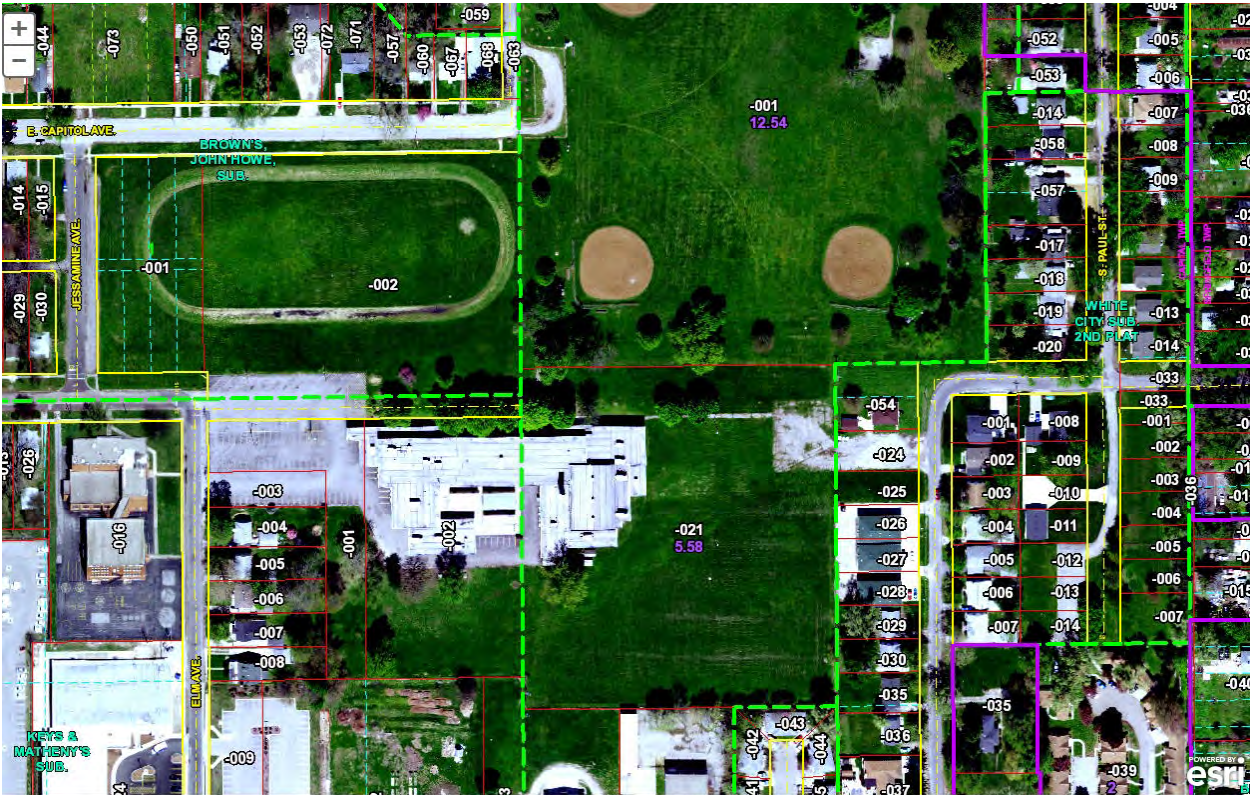
X. GEOTHERMAL

- The geothermal field is located to the southeast of the school. (see attached document)

AERIAL 2018-10-16



PARCELS



Parcels 252-001 and 002, 254-001, 002, and 003 and 276-021 are owned by District 186.

There is a 33' wide parcel along the north side of parcels 254-001 and 003 that appears to be ROW for East Jackson Street.

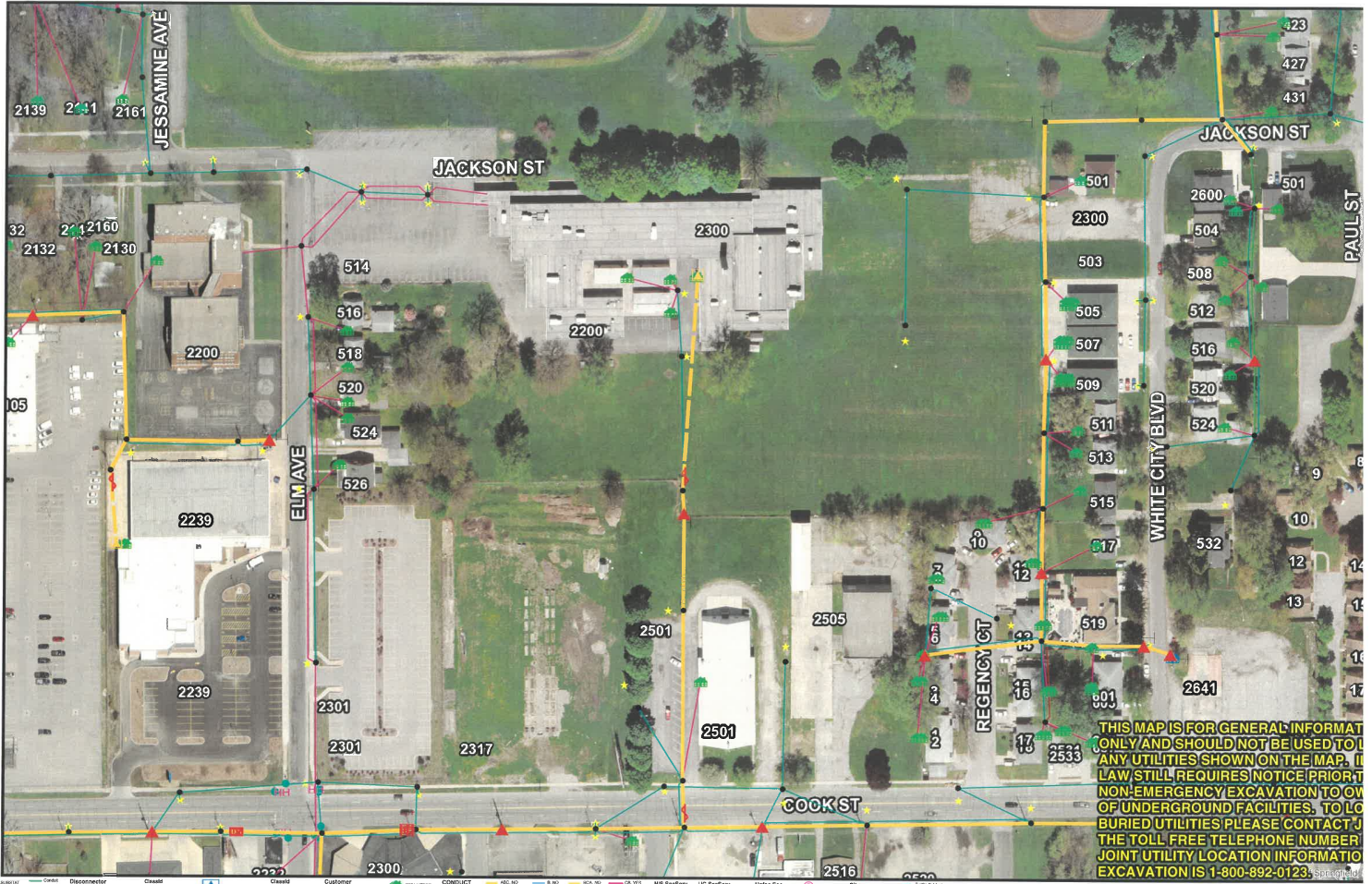
2007 CONTOURS



SEWER MAP



ELECTRIC MAP



THIS MAP IS FOR GENERAL INFORMATION ONLY AND SHOULD NOT BE USED TO LOCATE ANY UTILITIES SHOWN ON THE MAP. IF YOU ARE PLANNING TO EXCAVATE, THE LAW STILL REQUIRES YOU TO OBTAIN A PERMIT FROM THE CITY OF SPRINGFIELD. NON-EMERGENCY EXCAVATION TO LOCATE UNDERGROUND UTILITIES PLEASE CONTACT THE CITY OF SPRINGFIELD AT THE TOLL FREE TELEPHONE NUMBER 1-800-892-0123. JOINT UTILITY LOCATION INFORMATION EXCAVATION IS 1-800-892-0123.

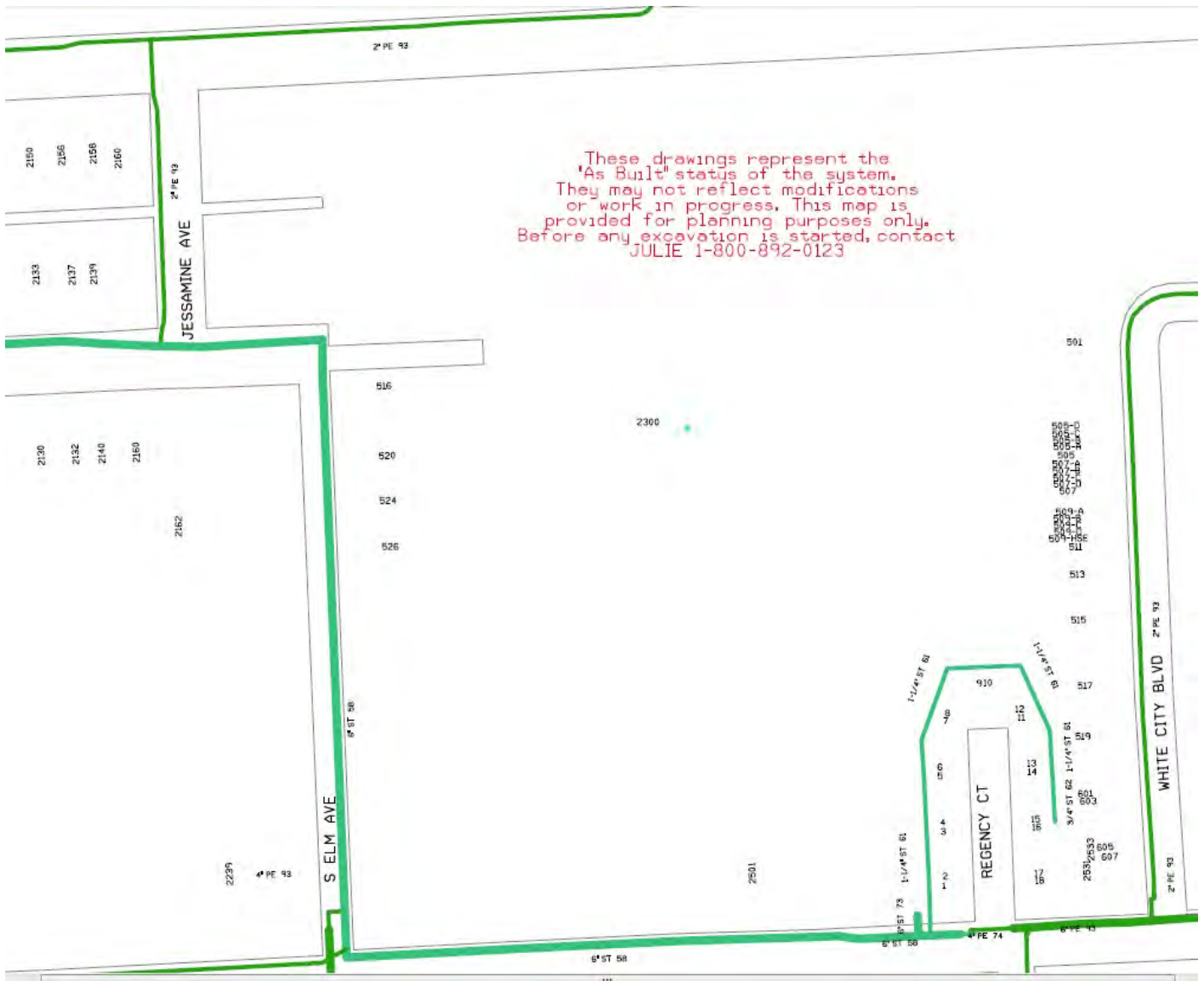
<ul style="list-style-type: none"> Address Street Label 	<ul style="list-style-type: none"> CONDUCTOR PHASE TYPE STATUS DATE REASON LOCATION DEPTH WIDTH HEIGHT DIAMETER LENGTH WEIGHT VOLUME AREA PERIMETER CIRCUMFERENCE ANGLE DISTANCE COORDINATES ELEVATION TEMPERATURE PRESSURE SPEED ACCELERATION ROTATION VIBRATION NOISE EMISSIONS CONTAMINATION TOXICITY RADIATION MAGNETIC FIELD ELECTROMAGNETIC INTERFERENCE ULTRAVIOLET RADIATION INFRARED RADIATION SOUND SMELL TASTE TEXTURE COLOR ODOR FLUORESCENCE REFRACTIVE INDEX DENSITY MOISTURE PH CONDUCTIVITY RESISTIVITY PERMEABILITY DIELECTRIC CONSTANT LOSS TANGENT LOSS MODULUS LOSS FACTOR LOSS ANGLE LOSS TANGENT LOSS MODULUS LOSS FACTOR LOSS ANGLE 	<ul style="list-style-type: none"> UNDERGROUND FACILITY TYPE STATUS DATE REASON LOCATION DEPTH WIDTH HEIGHT DIAMETER LENGTH WEIGHT VOLUME AREA PERIMETER CIRCUMFERENCE ANGLE DISTANCE COORDINATES ELEVATION TEMPERATURE PRESSURE SPEED ACCELERATION ROTATION VIBRATION NOISE EMISSIONS CONTAMINATION TOXICITY RADIATION MAGNETIC FIELD ELECTROMAGNETIC INTERFERENCE ULTRAVIOLET RADIATION INFRARED RADIATION SOUND SMELL TASTE TEXTURE COLOR ODOR FLUORESCENCE REFRACTIVE INDEX DENSITY MOISTURE PH CONDUCTIVITY RESISTIVITY PERMEABILITY DIELECTRIC CONSTANT LOSS TANGENT LOSS MODULUS LOSS FACTOR LOSS ANGLE 	<ul style="list-style-type: none"> UNDERGROUND FACILITY TYPE STATUS DATE REASON LOCATION DEPTH WIDTH HEIGHT DIAMETER LENGTH WEIGHT VOLUME AREA PERIMETER CIRCUMFERENCE ANGLE DISTANCE COORDINATES ELEVATION TEMPERATURE PRESSURE SPEED ACCELERATION ROTATION VIBRATION NOISE EMISSIONS CONTAMINATION TOXICITY RADIATION MAGNETIC FIELD ELECTROMAGNETIC INTERFERENCE ULTRAVIOLET RADIATION INFRARED RADIATION SOUND SMELL TASTE TEXTURE COLOR ODOR FLUORESCENCE REFRACTIVE INDEX DENSITY MOISTURE PH CONDUCTIVITY RESISTIVITY PERMEABILITY DIELECTRIC CONSTANT LOSS TANGENT LOSS MODULUS LOSS FACTOR LOSS ANGLE 	<ul style="list-style-type: none"> UNDERGROUND FACILITY TYPE STATUS DATE REASON LOCATION DEPTH WIDTH HEIGHT DIAMETER LENGTH WEIGHT VOLUME AREA PERIMETER CIRCUMFERENCE ANGLE DISTANCE COORDINATES ELEVATION TEMPERATURE PRESSURE SPEED ACCELERATION ROTATION VIBRATION NOISE EMISSIONS CONTAMINATION TOXICITY RADIATION MAGNETIC FIELD ELECTROMAGNETIC INTERFERENCE ULTRAVIOLET RADIATION INFRARED RADIATION SOUND SMELL TASTE TEXTURE COLOR ODOR FLUORESCENCE REFRACTIVE INDEX DENSITY MOISTURE PH CONDUCTIVITY RESISTIVITY PERMEABILITY DIELECTRIC CONSTANT LOSS TANGENT LOSS MODULUS LOSS FACTOR LOSS ANGLE 	<ul style="list-style-type: none"> UNDERGROUND FACILITY TYPE STATUS DATE REASON LOCATION DEPTH WIDTH HEIGHT DIAMETER LENGTH WEIGHT VOLUME AREA PERIMETER CIRCUMFERENCE ANGLE DISTANCE COORDINATES ELEVATION TEMPERATURE PRESSURE SPEED ACCELERATION ROTATION VIBRATION NOISE EMISSIONS CONTAMINATION TOXICITY RADIATION MAGNETIC FIELD ELECTROMAGNETIC INTERFERENCE ULTRAVIOLET RADIATION INFRARED RADIATION SOUND SMELL TASTE TEXTURE COLOR ODOR FLUORESCENCE REFRACTIVE INDEX DENSITY MOISTURE PH CONDUCTIVITY RESISTIVITY PERMEABILITY DIELECTRIC CONSTANT LOSS TANGENT LOSS MODULUS LOSS FACTOR LOSS ANGLE
---	---	--	--	--	--

W-9

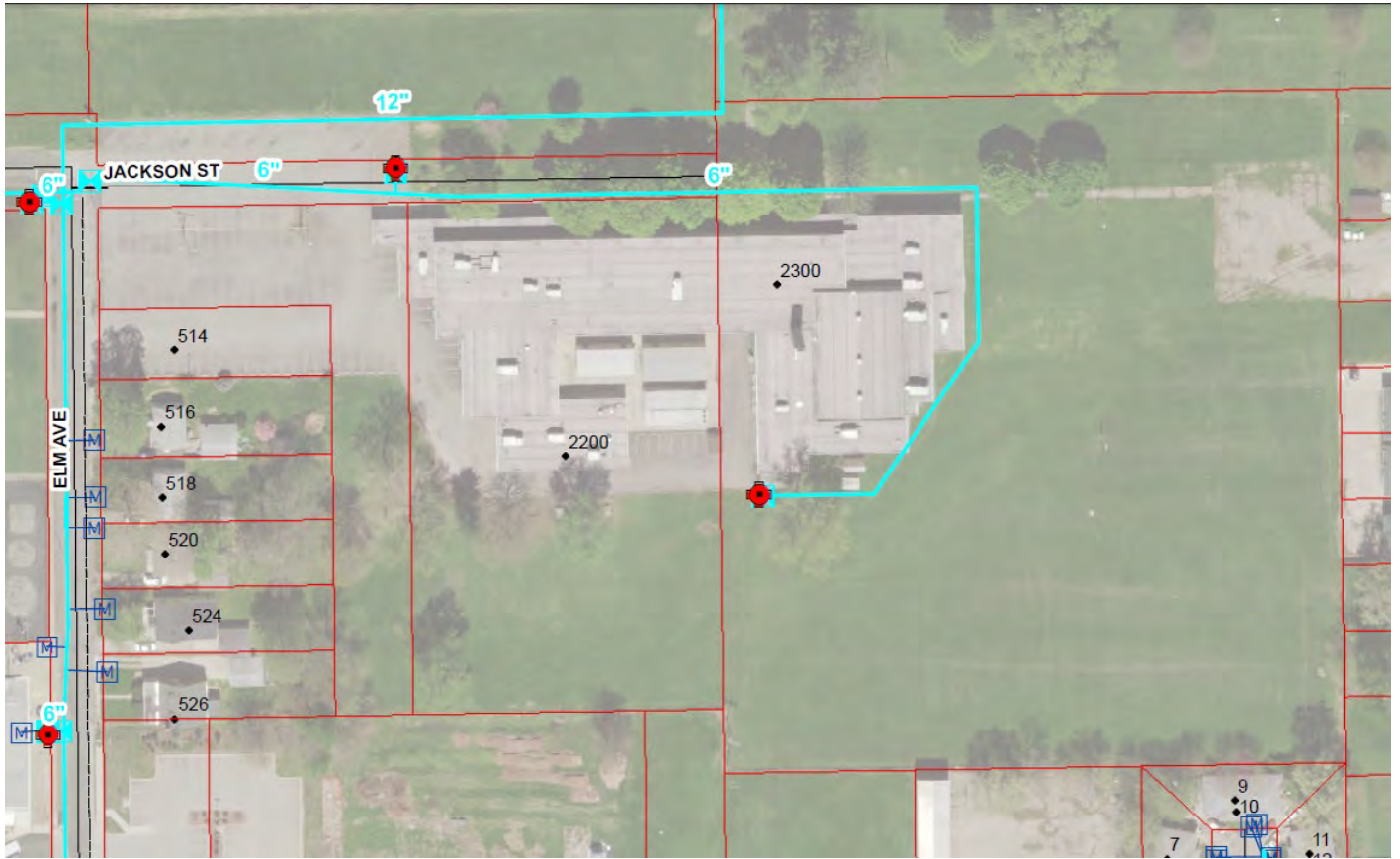


City Water Light and
 Geographic Informati
 1008 East Miller Street
 Springfield, IL 62702
 Voice 217.757.8520
 Fax 217.789.2082

GAS MAP

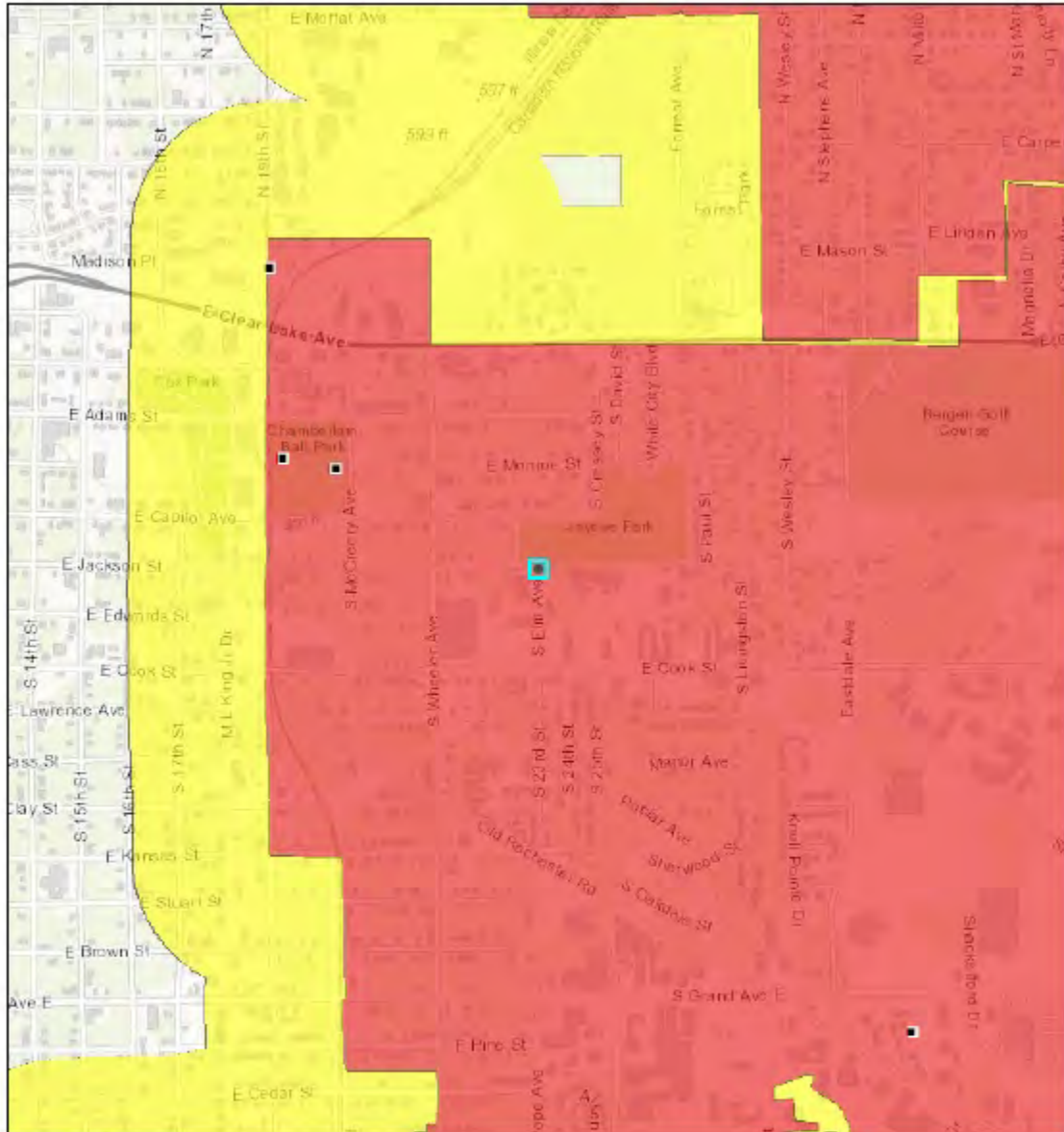


WATER MAP



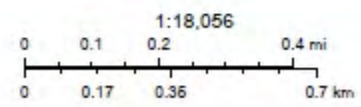
UNDERGROUND MINE MAP

Illinois State Geological Survey -- ILMINES



9/16/2019, 11:35:31 AM

- Underground Mine Buffer Region
- Indefinite Underground Mine Boundary
- Non Coal Mines
- Surface
- Underground Coal Mines**
- Underground
- Non Coal Mine Shaft
- Coal Mine Shaft



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Illinois State Geological Survey -- ILMINES
Prairie Research Institute/University of Illinois



DISTRICT 186
SPRINGFIELD PUBLIC SCHOOLS

TRANSFER PACKAGE #8

8.1 FRANKLIN MIDDLE SCHOOL

8.2 GRANT MIDDLE SCHOOL

**OUR SCHOOLS
OUR FUTURE**

FACILITIES MASTER PLAN, PHASE 1 2020

PROJECT MANAGEMENT TEAM

BLDD Architects

IDG Architects

O'Shea Builders

CJP Architects

Vasconcelles Engineering

Hanson Engineering

CONTENTS

8.1 Franklin Middle School

Project Summary.....	8.1-2
Building Programs.....	8.1-3
Project Budget.....	8.1-6
Design Intent	
Design & Scope Diagrams.....	8.1-7
HPD/IDNR Plan.....	8.1-10
Project Schedule.....	8.1-11
Existing Conditions	
Floor Plans.....	8.1-12
Site Plans.....	8.1-14
Site Assessment.....	8.1-15

8.2 Grant Middle School

Project Summary.....	8.2-2
Building Programs.....	8.2-3
Project Budget.....	8.2-6
Design Intent	
Design & Scope Diagrams.....	8.2-7
HPD/IDNR Plan.....	8.2-10
Project Schedule.....	8.2-11
Existing Conditions	
Floor Plans.....	8.2-12
Site Plans.....	8.2-14
Site Assessment.....	8.2-15



FRANKLIN MIDDLE SCHOOL

PROJECT SUMMARY 8.1

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

FRANKLIN MIDDLE SCHOOL

Grades: 6–8 Enrollment: 803

Address: 1200 Outer Park Dr. Springfield, IL 62704

Year of original construction: 1960

Building additions: n/a

Phase 1 Design Objectives

- Create an addition to accommodate programs currently housed in temporary structures
- Provide new classroom and collaborative space for students and faculty
- Create student support spaces within the building
- Expand dining space to allow capacity of lunch service to seat all students in 3 or fewer periods
- Provide flexibility in the dining space to allow other functions to utilize the space outside of dining period

Site

- Develop outdoor seating and classroom space near dining

Building Construction

- Provide aesthetic that is complementary to existing Franklin building
- Match existing masonry/exterior material construction with additions
- Match existing floor, paint, and ceiling finishes with products from the district standards
- Provide signage and wayfinding
- Extend flooring, paint patterns and schemes, ceilings, and other finishes with products matching or complementary products from the district standards

MEP

- Extend existing electrical service to a sub panel for distribution to additions
- Extend current HVAC systems and provide air conditioning to new areas via standalone systems
- Extend Fire Alarm, Fire Protection

Technology

- Extend existing security, data networks, Wi-Fi network, telecom, bell and paging systems

Construction Delivery Method

- This project is to be constructed via Design-Bid-Build.

BUILDING PROGRAM (FULL) 8.1

Franklin Middle School	Sq Ft	QTY	Total Sq Ft	Area per Student	Students/Ed. Space	Total Students	Number of Usable Existing Spaces Available	Number of Spaces Deficient	New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	New Spaces Required Phase 2	Phase 2 Area (sf) of New Space Required	COMMENTS
CORE EDUCATIONAL ENVIRONMENTS (CLASSROOMS)																
Classroom- AVID (Advancement Via Individual Determination)	850	2	1700	35	24	48	0	2						X	1700	
Classroom- Foreign Language	850		0				0									
Classroom- Health	850	2	1700	35	24	48	1	1								
Classroom- Language Arts	850	6	5100				10	-4								
Classroom- Math	850	6	5100	35	24	144	6									
Classroom- Social Studies	850	6	5100	35	24	144	5	1	2	1900			X			
ESL (English as a Second Language) Classroom	400	2	800	35	11	22	0	2	2	750			X			
PLTW (Project Lead the Way) Classroom	1200	1	1200	60	20	20	1									
FINE AND APPLIED ARTS/ PERFORMANCE																
Art Studio	1200	2	2400	50	24	48	1	1						X	1200	
Art Storage	200	2	400				1	1						X	200	
Chorus Room	950	1	950	25	38	38	1									
Chorus Storage	150	1	150				1									
Chorus Office	100	1	100				1									
Band Room	1400	1	1400	25	56	56	1									
Band Storage (General)	150	1	150				1									
Band Storage (Instruments)	150	1	150				1									
Band Office	100	1	100				1									
Auditorium with Stage (Large)	1200	1	1200				0	1						X	1200	
Stage Storage	200	1	200				0	1						X	200	
Stage Dressing Room	250	2	500				0	2						X	500	
Stage Control Room	250	1	250				0	1						X	250	
MEDIA CENTER/ LIBRARY SERVICES/ DISTANCE LEARNING LABS																
Media Center/ Library	1500	1	1500				1									
Media Center/ Library Storage	200	1	200				0	1						X	200	
Media Center/ Library Office	100	1	100				1									
Media Center/ Library Workroom	150	1	150				1									
Technology/IT Storage	300	1	300				1									
Electronic Device Storage	200	1	200				0	1			1	175	X	X	200	
Production Studio	800		0				1	-1								Verify with District
PHYSICAL EDUCATION/ ATHLETIC FACILITIES (INSIDE AND OUTSIDE, SUPPORT SPACES FOR COACHES/ TEAMS)																
PE Gymnasium (Regulation sized)	12000	1	12000				0	1						X	12000	
PE Gymnasium	6800	1	6800				1									
Physical Education Storage- Indoor equipment	400	1	400				0	1						X	400	
Physical Education Office	120	2	240				2									
Athletic Storage	600	1	600				1									
Ref/Umpire Room	100	1	100				0	1						X	100	
PE Locker Room- Men	1500	1	1500				1									
PE Locker Room- Women	1500	1	1500				1									
Training/Taping Room	250	1	250				0	1						X	250	
Athletic Display Space	50	1	50				2	-1								
SPACES FOR STUDENTS WITH SPECIAL NEEDS (CLASSROOMS, SMALL LEARNING AREAS)																
Special Education- Large Classroom	500	3	1500	50	10	30	0	3								
Special Education- Small Classroom	350	3	1050	50	7	21	5	-2			1	365	X			
Classroom- Life Skills	500	1	500	50	10	10	1									
Resource Room (Large)	300	3	900	50	6	18	0	3	1	270	1	365	X			
Resource Room (Small)	150	3	450	50	3	9	3	3	1	170			X			
Speech Classroom	125	1	125	50	3	3	0	1								
Speech Language Pathologist Office	100		0				1	-1								
Occupational and Physical Therapy Room	150	1	150	150	1	1	0	1	1	150			X			
Office- SSS (Student Support Services)	100	1	100				1									
Office- Children's MOSAIC Project (Community Social Work)	100	1	100				0	1								
Special Needs Single User Toilet (Changing)	125	1	125				0	1			1	100	X			
21ST CENTURY/ PERSONALIZED LEARNING (FLEXIBLE LEARNING SPACES, SMALL GROUP, WHOLE GROUP)																
General Classroom (Large) (STEM / STEAM??)	1000	3	3000				0	3						X	3000	
Break-out/ Large Group Room	1000	1	1000				0	1						X	1000	
Break-out/ Small Group Room	500	1	500				0	1						X	500	
Student Storage (Lockers)	1000	2	2000				1	1						X	1000	
LEARNING LABS (SCIENCE, TECHNOLOGY, MAKER SPACE)																
Maker Space	1000	1	1000				0	1						X	1000	
Messy/Lab Space	1000	0														
Project Based Learning Lab	1000	1	1000				0	1						X	1000	
Science Classroom	900	3	2700	40	23	69	3									
Science Lab	1500	3	4500	60	25	75	3									Changed from needing 6 - Verify with District
Science Storage	150	3	450				1	2						X	300	
Science Prep	300	3	900				1	2						X	600	
CAREER AND TECH PREP LABS (CULINARY, BUSINESS, ENGINEERING)																
N/A			0													Delete? Verify with District
RECEPTION/ LOBBY/ WELCOMING SPACE																
Lobby/Welcoming area	200	1	200				1									
Waiting Area	125	1	125				1									
Reception (General Office/Admin Assistant/Secretary)	400	1	400				1									
ADMINISTRATIVE SPACES (OFFICES, CONFERENCE ROOMS)																
Office- Principal	175	1	175				1									
Office- Assistant Principal	140	1	140				1									
Office- Dean	150	2	300				2									
Conference/ Meeting Room	175	2	350				0	2	2	330			X			
Work Room- Administrative	200	1	200				1									
Storage- Secure File	40	1	40				1									
Storage- General Administrative	200	1	200				1									
Administrative Dedicated Single User Toilet (office area)	75	2	150				1	1						X	75	
Office- General (Admin / PA/ Intern / Other)	100	1	100				1									
Office- Safety/Security	100	1	100				0	1						X	100	
Office- Social Worker	100	1	100				1									
Office- Psychologist	100	1	100				1									
Office- ISS	200	1	200				0	1						X	200	
School Store	300	1	300				0	1						X	300	
FACULTY SUPPORT/ WORK SPACES																
Faculty Work Room (Large)	500	1	500				0	1						X	500	Have a small one, could use larger space - Verify with District
Faculty Work Room (Small)	250		0				1	-1								
Faculty Lounge Room (Large)	500	1	500				0	1								Is this same as work room? - Verify with District
Faculty Break Room (Small)	200		0				1	-1								
Faculty Dedicated Single User Toilet	75	2	150				1	1						X	75	
Central Storage (Large)	300	1	300				1									Verify with District
Storage (Books)	500	1	500				2	-1								
Conference/Meeting Room	500	1	500				0	1						X	500	Verify with District
Conference/ Meeting Room (Small)	200	1	200				0	1						X	200	Verify with District
Professional Development Storage	100	1	100				0	1						X	100	

BUILDING PROGRAM (PHASE 1) 8.1

Franklin Middle School	Sq Ft	QTY	Total Sq Ft	New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	COMMENTS
Classroom- Social Studies	850	6	5100	2	1900			X	
ESL (English as a Second Language) Classroom	400	2	800	2	750			X	
Electronic Device Storage	200	1	200			1	175	X	
Special Education- Small Classroom	350	3	1050			1	365	X	
Resource Room (Large)	300	3	900	1	270	1	365	X	
Resource Room (Small)	150	3	450	1	170			X	
Occupational and Physical Therapy Room	150	1	150	1	150			X	
Special Needs Single User Toilet (Changing)	125	1	125			1	100	X	
Conference/ Meeting Room	175	2	350	2	330			X	
Multi-Purpose/Cafeteria Commons	4500	1	4500	1	1800			X	
Multi-Purpose/Cafeteria Commons Storage	400	1	400	1	320			X	
District 186 Description of Work:			Subtotal		5,690		1,005	-	
New Public Address System - \$112,900									
Masonry Restoration - Lintels - \$100,000									
Renovate 6 Toilet Rooms - \$750,000									
Vehicle Drive - \$362,500									
4,444 Sq Ft Addition to Remove Portables									
4,444 Sq Ft Enlarge Cafeteria									
	Efficiency Factor	0.767	Total New Space at 76.7% Efficiency		7,418	0.55	1,836	-	

PROJECT BUDGET 8.1

Highland School District 186

December 2,

CONSTRUCTION BUDGET	\$3,999
----------------------------	----------------

CONSTRUCTION	\$3,522
---------------------	----------------

Foundation	7,418 sf	\$2,095,472.05
Foundation	1,836 sf	\$1,426,395.00

CONTINGENCY	\$477
--------------------	--------------

Contingency	5%	\$176,093
Contingency	5%	\$184,898
Construction Contingency	3%	\$116,486

COSTS	\$439
--------------	--------------

ACQUISITION AND EVALUATION	\$15
-----------------------------------	-------------

Purchase		
Topographical Survey		\$7,900
Technical Survey		\$7,900

PROFESSIONAL SERVICES	\$330
------------------------------	--------------

Architect/ Engineering Design Fees	8.00%	\$301,310
Interior Design Fees		\$7,000
Service Consultant		
Architect, Lighting & Rigging Design Consultant		
Acoustical/Audio/Video Design Consultant		
Technology Design Services		\$2,314
Unrecoverable Expenses		\$19,997

OTHER COSTS	\$93
--------------------	-------------

Technology, Telecom, Security		\$23,135
Lighting, Fixtures, Equipment		\$70,000

DESIGN DIAGRAM 8.1

10/31/2019



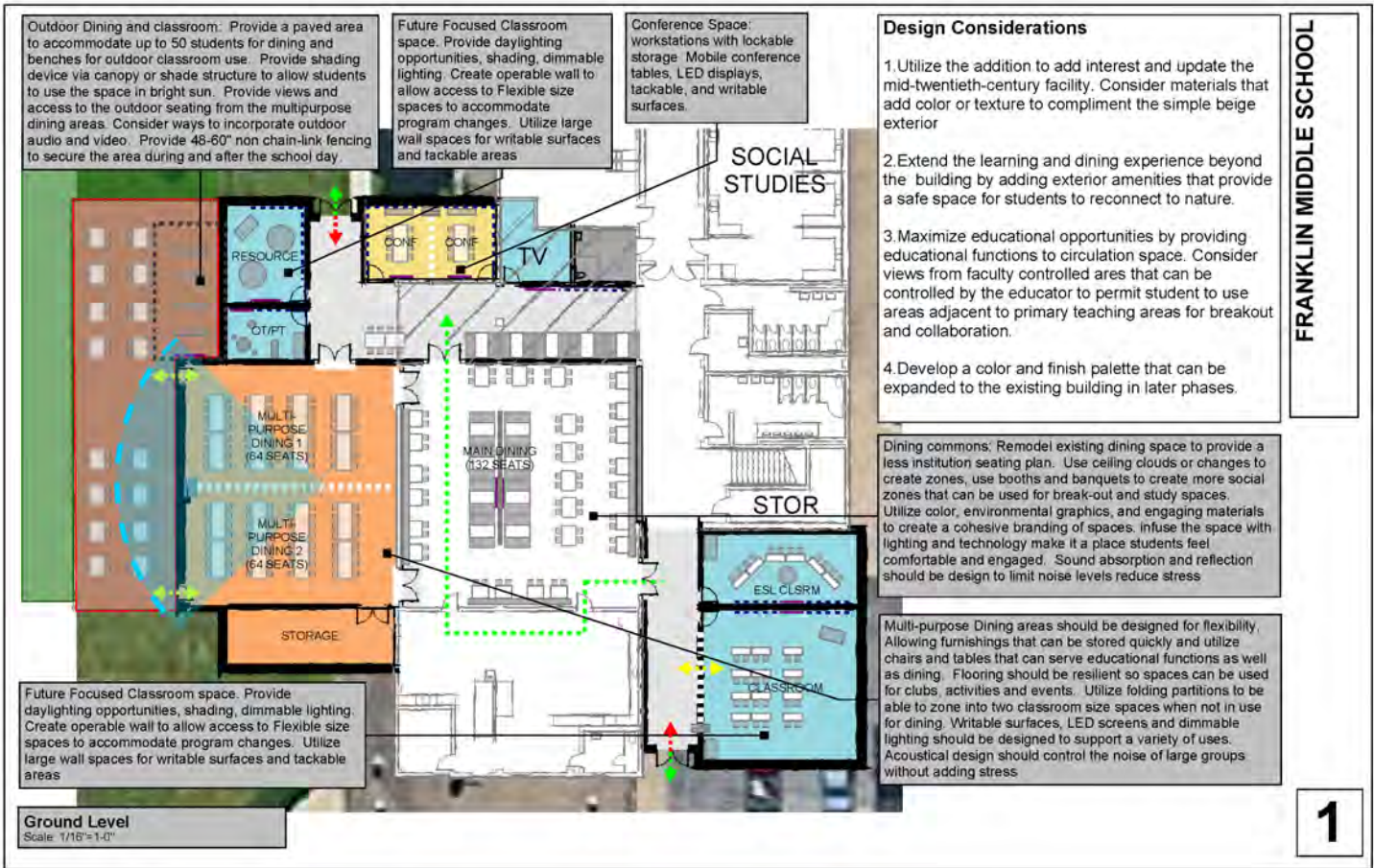
SECOND FLOOR PLAN

SECOND FLOOR PLAN
SCALE: 1" = 50'-0"



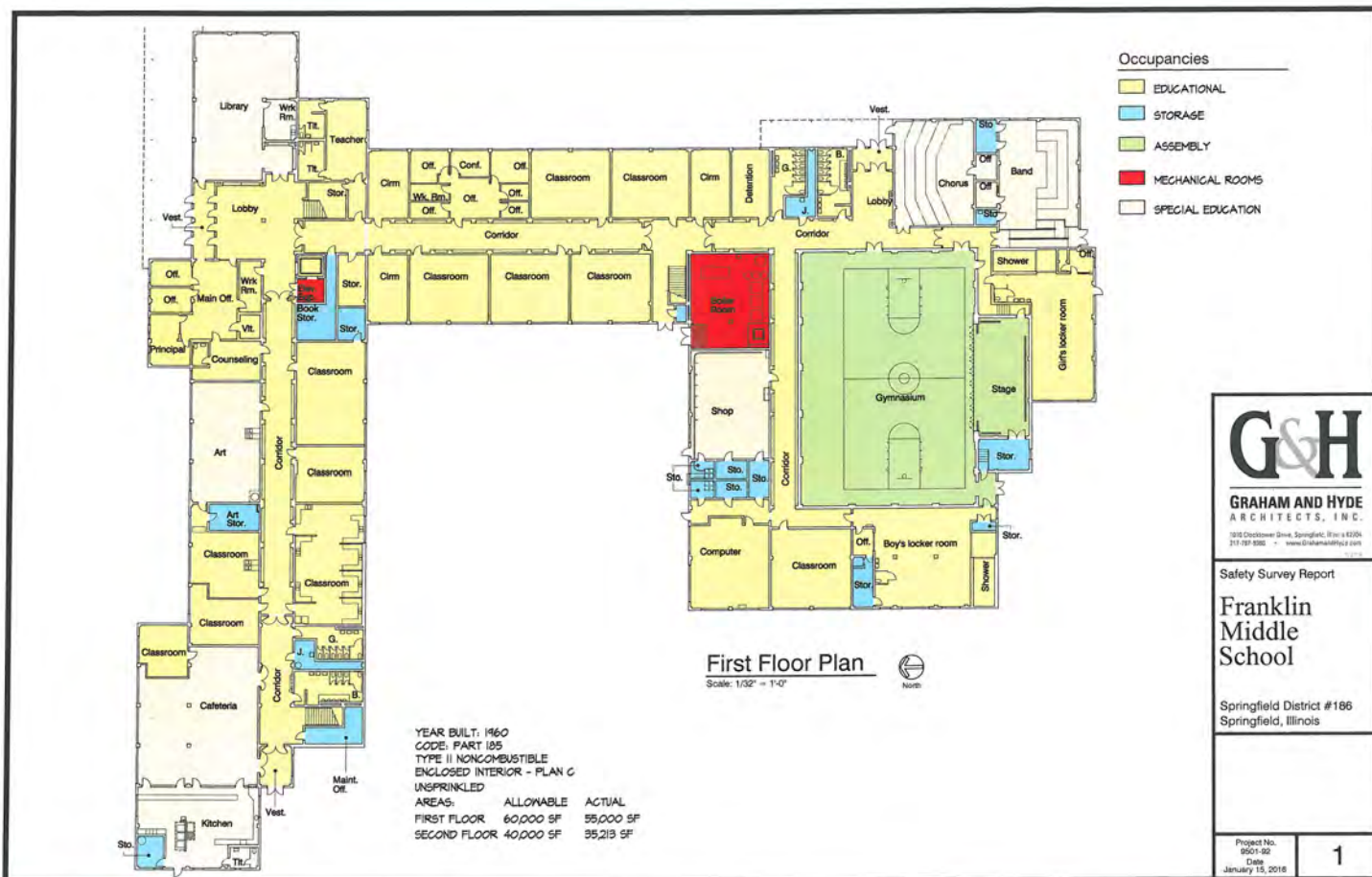
FRANKLIN MIDDLE SCHOOL
 1200 OUTER PARK DR

SCOPE DIAGRAM 8.1



NOT APPLICABLE FOR
FRANKLIN MIDDLE SCHOOL

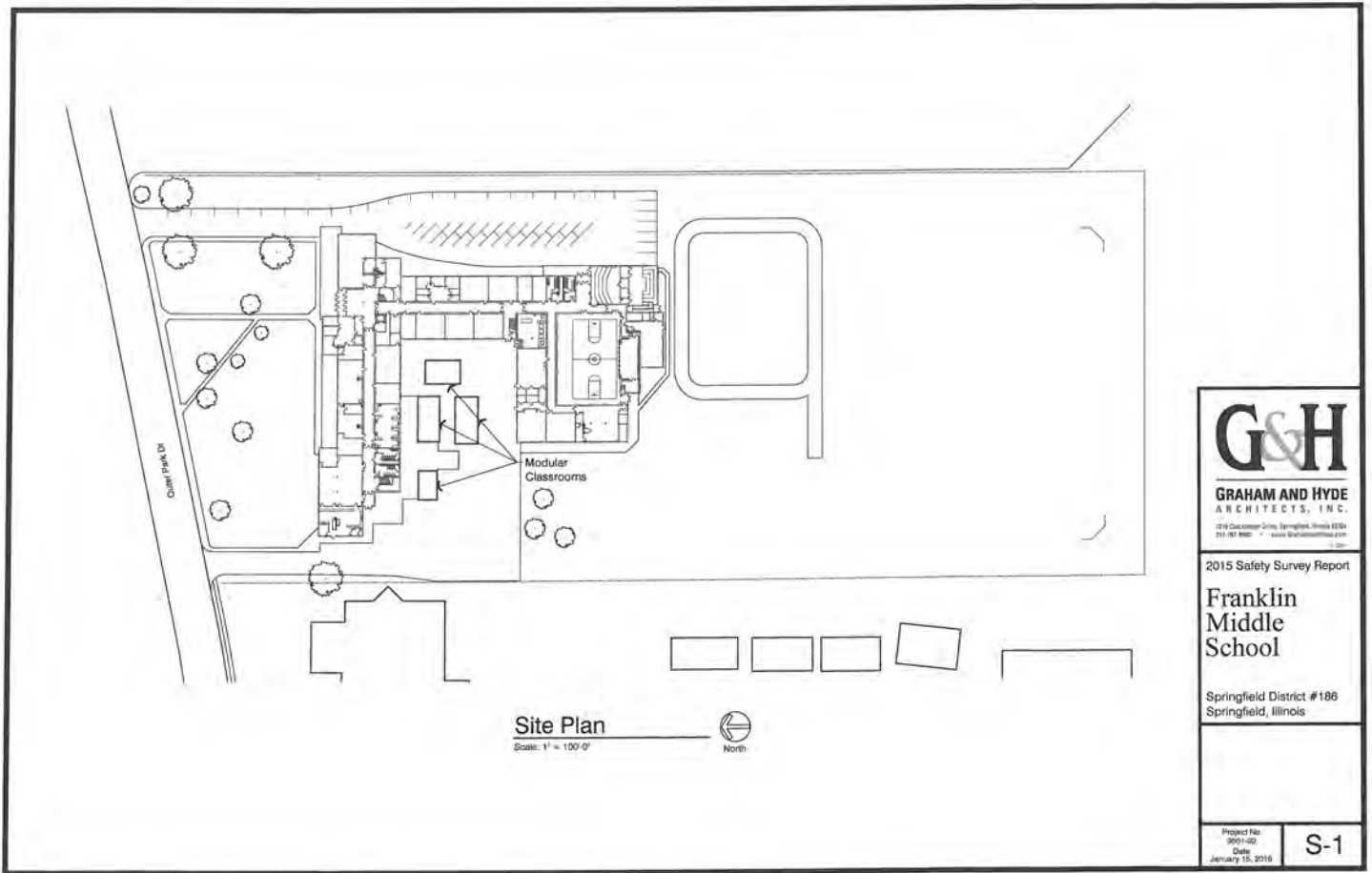
EXISTING CONDITIONS: FLOOR PLAN 8.1



EXISTING CONDITIONS: FLOOR PLAN 8.1



EXISTING CONDITIONS: SITE PLAN 8.1

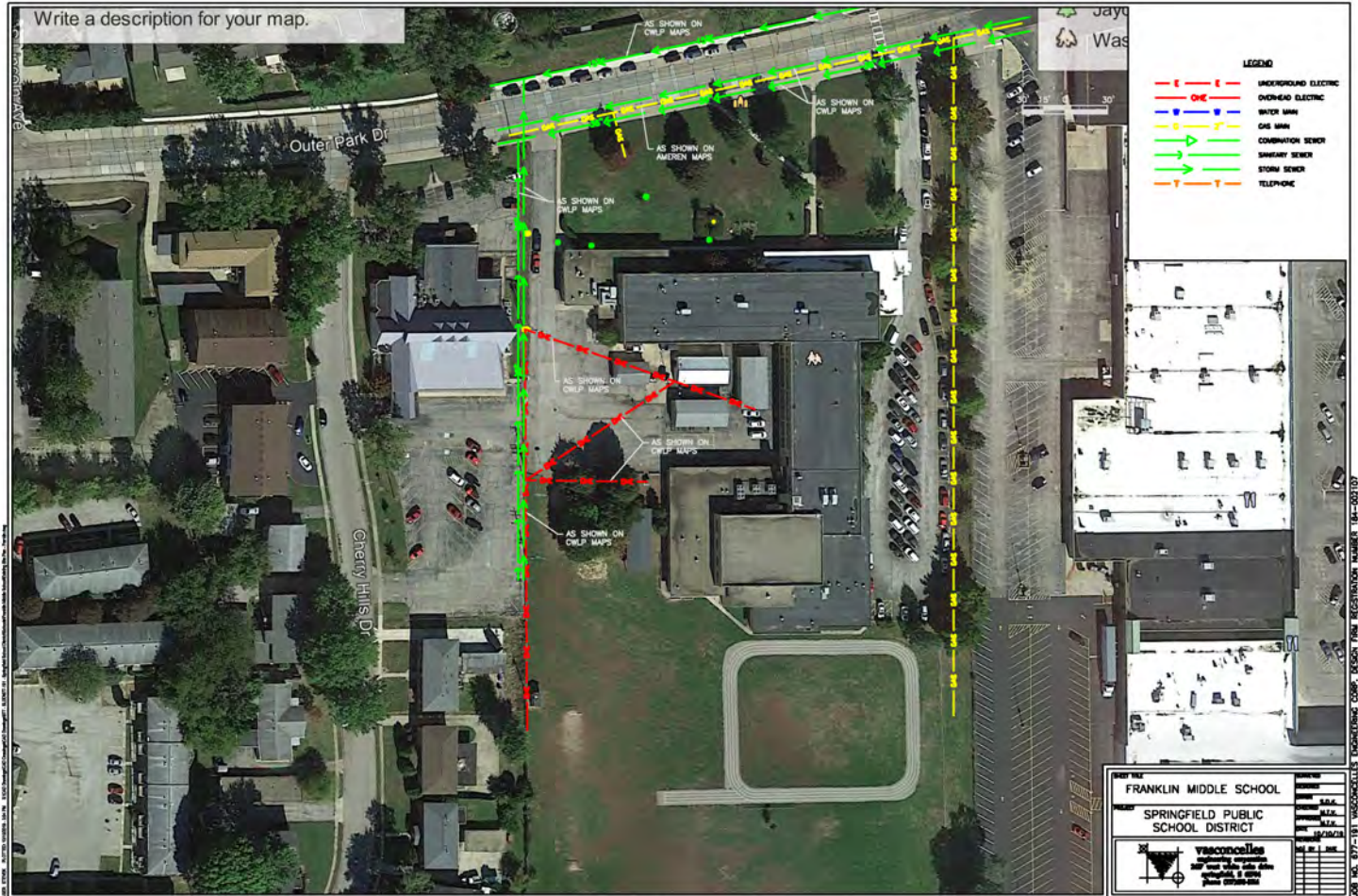


SPRINGFIELD
DISTRICT 186 SCHOOLS
FRANKLIN MIDDLE SCHOOL
SITE ASSESSMENT
OCTOBER 2019

FRANKLIN MIDDLE SCHOOL

- GENERAL
 - The proposed addition replaces asphalt pavement with building. Truck deliveries to the cafeteria will be more difficult and there is limited area for the trucks to turn around. Anticipate that the loss of parking and play area is to be replaced and that desired truck turning upgrades will require additional paved area.
 - The temporary buildings will be removed.
 - Traffic flow patterns for student drop-off or pick-up should be assessed.
 - An e-mail from the Illinois Department of Natural Resources, noted their review of the Illinois Natural Heritage Database showed that the Mississippi Kite, a protected resource, may be in the vicinity of this school. Subsequently, a letter was provided from the IDNR that concluded that adverse effects are unlikely and that no further action was required. (See attached document). The consultation is valid for a period of two years.
 - Vasconcelles Engineering Corporation (VEC) submitted a letter to the Illinois Historic Preservation Agency (IHPA) on September 18, 2019. As of October 15, 2019, we have not received any correspondence. (see attached letter)
- DRAINAGE
 - Drainage from the east comes across the parking area to the east side of the school property. Flows are then generally to the southwest to the southwest corner of the property.
- SEWERS
 - There is a 36” combined sewer line to the west along the south side of Outer Park Drive. There is a 36” storm sewer and a 60” storm sewer in Outer Park Drive. The 36” storm sewer is noted as being a State sewer. There is also an 8” sanitary sewer line that is just west of the school property that connects to the 36” combined sewer. A storm sewer line is adjacent to the 8” sanitary sewer, just west of the school property
- ELECTRIC
 - Electric service is from the west. There is also an electric line on that comes from the west that services the temporary buildings and the lights in the west parking lot.
- GAS
 - There is a 2” gas main running east and west in Outer Park Drive.
- WATER
 - There is an 8” water main along the west side of the building and it changes to a 6” water main as it wraps around the south side of the building.
- DETENTION
 - The detention storage would not be connected to a Sangamon County Water Reclamation District combined sewer system so there would not be a requirement for the 100-year frequency flood event to be released at the 10-year frequency discharge rate.
- UNDERMINING
 - The school property is located in an underground mine region.

- EXTERNAL FLOOD
 - The ground available for storage is above the 100-year frequency flood water surface elevation (base flood elevation) so there would not be a required mitigation for fill in the floodplain.
- GEOTHERMAL
 - This school has a geothermal system that is located on the southwest side of the school.

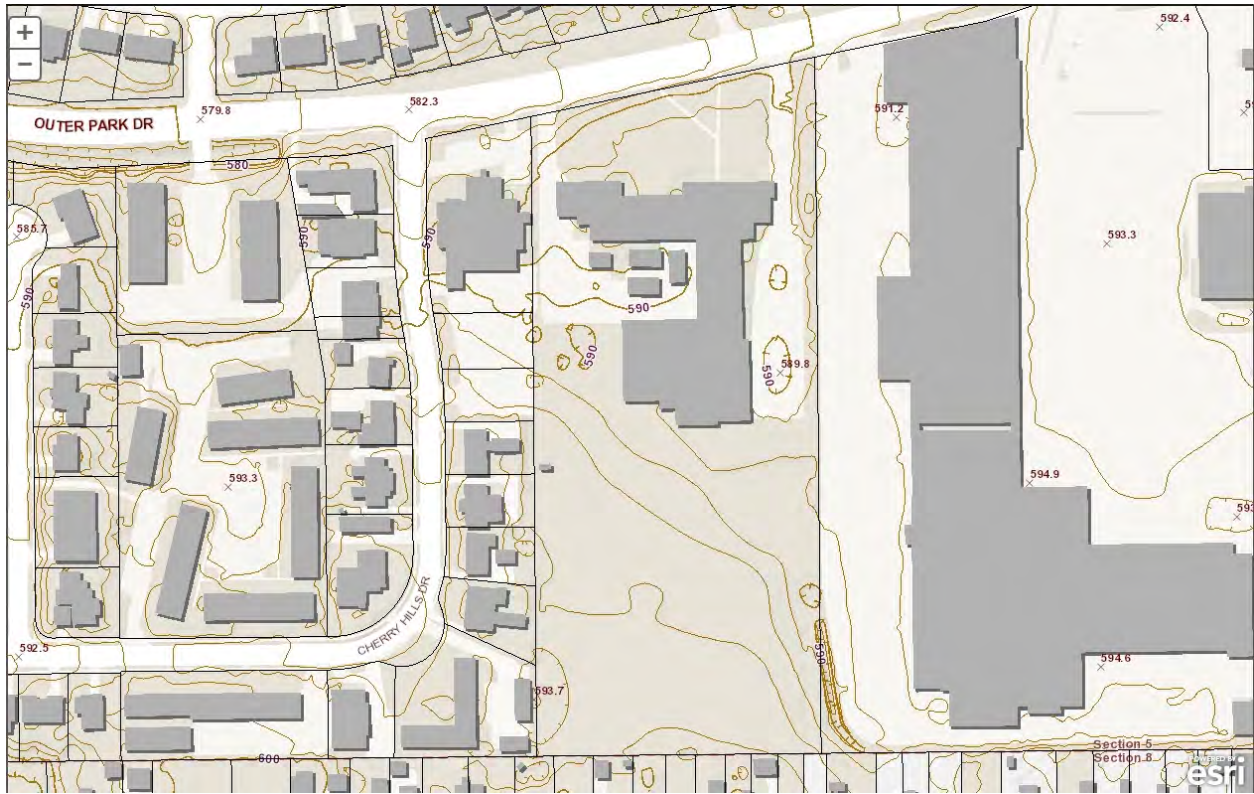


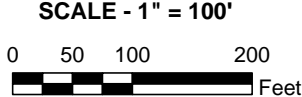
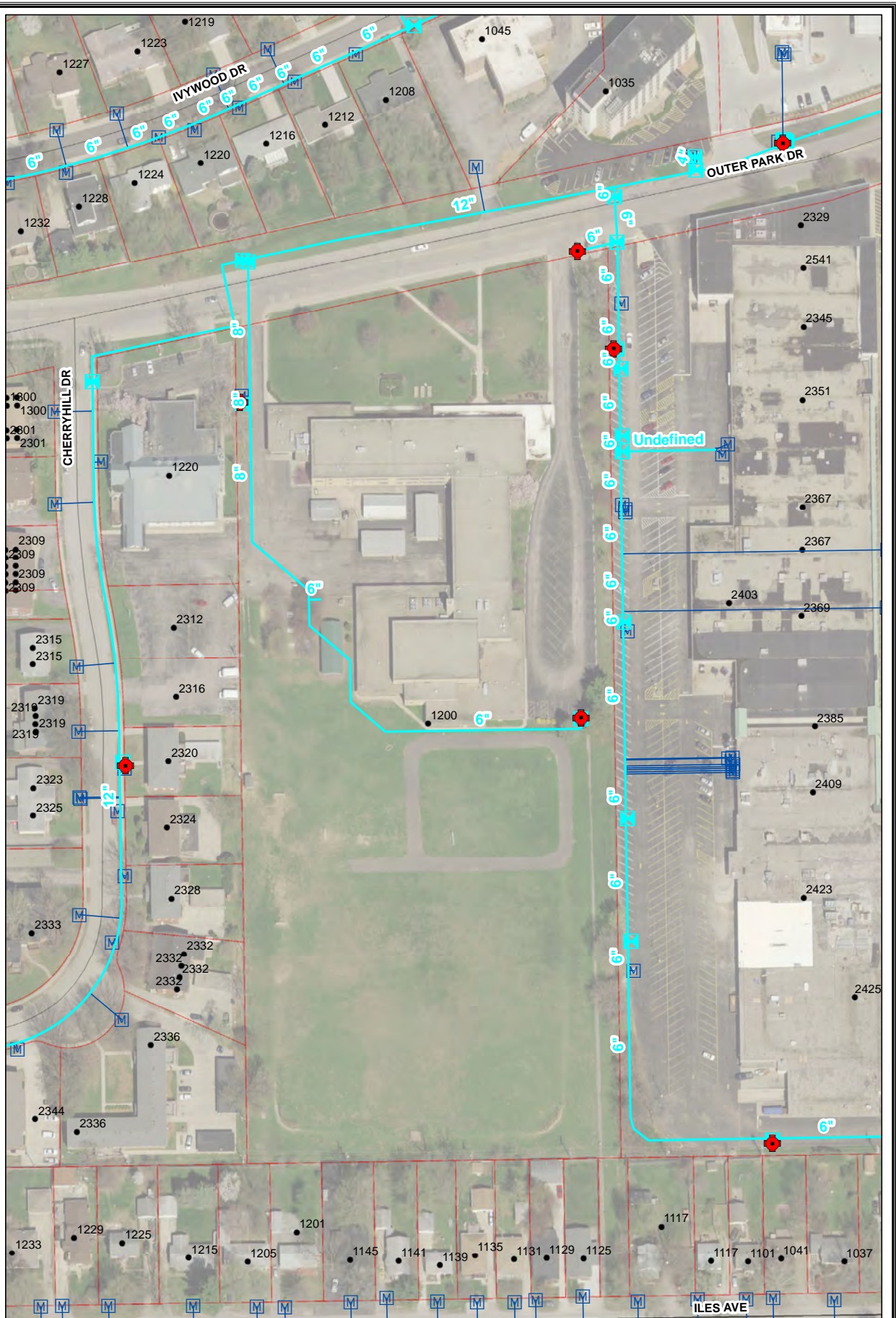
F-4

AERIAL 2018-10-16



2007 CONTOURS





**Franklin Middle School
CWLP Water Utility Map
September, 2019**

**FOR REFERENCE PURPOSES ONLY
THE FINAL JUDGEMENT OF SUITABILITY
FOR ANY SPECIFIC APPLICATION IS THE
SOLE RESPONSIBILITY OF THE END USER**

2019 City of Springfield, IL

GAS MAP



FLOOD INSURANCE RATE MAP



GEOHERMAL MAP

**Melotte
Morse
Leonatti
Parker**

415 W. DuSable Blvd.
Springfield, Illinois 62701
Tel: (217) 786-5618
Fax: (217) 786-5618
www.mmlp.com
architect@mmlp.com
Firm Registration #184-130022

CONSULTANT



Bill Skelton
Professional Engineer
Mechanical Engineering
License No. 11487
State of Missouri



Franklin
Middle
School HVAC
D186#
10-44;10-45

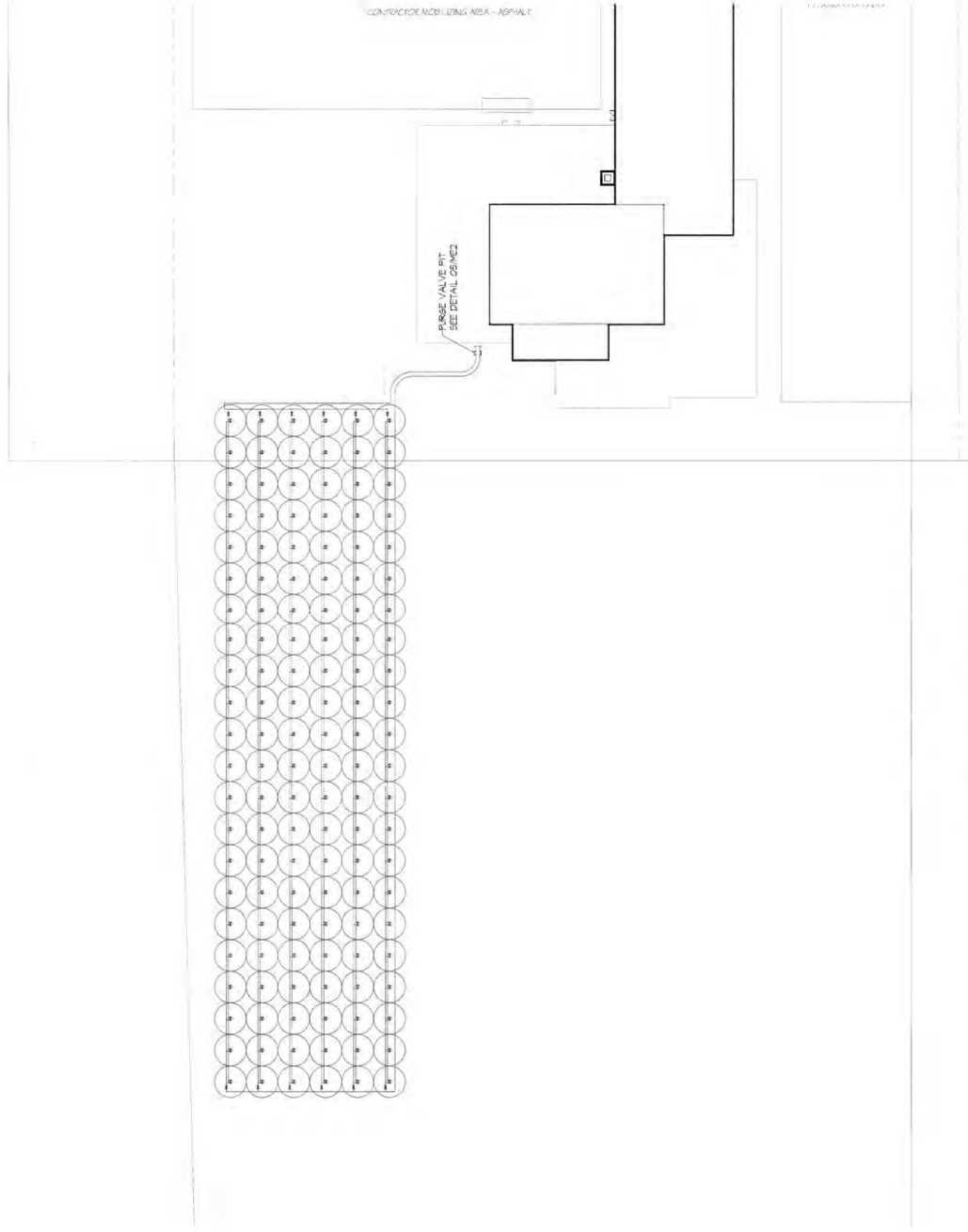
1900 West Monroe
Springfield, Illinois 62704

Dr. Weiler Milton -
Superintendent
Dave Smith - Director of
Facilities

April 15, 2010

ME1

MMLP# 100110
C/N# 10005



North Arrow
N
WELL FIELD LAYOUT
SCALE: 1" = 30'-0"

F-14



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
<http://dnr.state.il.us>

JB Pritzker, Governor

Colleen Callahan, Director

September 30, 2019

Steve Kuper
Vasconcelles Engineering Corp
2417 West White Oaks Dr.
Springfield, IL 62704

RE: Franklin Middle School
Project Number(s): 2003199
County: Sangamon

Dear Applicant:

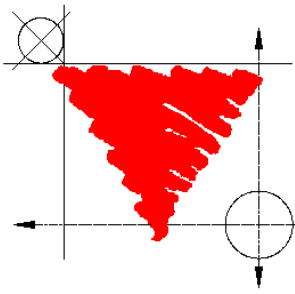
This letter is in reference to the project you recently submitted for consultation. The natural resource review provided by EcoCAT identified protected resources that may be in the vicinity of the proposed action. The Department has evaluated this information and concluded that adverse effects are unlikely. Therefore, consultation under 17 Ill. Adm. Code Part 1075 is terminated.

This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary.

The natural resource review reflects the information existing in the Illinois Natural Heritage Database at the time of the project submittal, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, you must comply with the applicable statutes and regulations. Also, note that termination does not imply IDNR's authorization or endorsement of the proposed action.

Please contact me if you have questions regarding this review.

Brian Willard
Division of Ecosystems and Environment
217-785-5500



vasconcelles

engineering corporation

Principals

James Vasconcelles
Mark Vasconcelles, P.E.
Shayla Pfaffe, P.L.S.
Trent Dalton
Steve Kuper
Wendi Wallner

September 18, 2019

Anne E. Haaker
Illinois Historic Preservation Agency
1 Old State Capitol Plaza
Springfield, IL 62701

RE: Franklin Middle School, Springfield, IL

Dear Ms. Haaker:

The Springfield Public Schools are planning to construct an addition to Franklin Middle School, 1200 Outer Park Drive, Springfield, IL. Enclosed is a general location map to assist you in understanding the location of the proposed addition.

We will be filling out the Notice of Intent for the Illinois Environmental Protection Agency NPDES permit and wanted to consult your office in regard to Historic Preservation.

I am requesting your review of this information. If you have any questions or need additional information, please feel free to contact me.

Sincerely,

VASCONCELLES ENGINEERING CORPORATION

Steven D. Kuper

Enclosure

sdk
677-191

Consulting Engineers

Springfield Office
2417 West White
Oaks Drive
Springfield, IL 62704

217.698.3114
Fax 217-698-3115

1.800.727.4VEC

E-mail
vec@vasconcelles.com



GRANT MIDDLE SCHOOL

PROJECT SUMMARY 8.2

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

GRANT MIDDLE SCHOOL

Grades: 6–8 Enrollment: 569

Address: 1800 W. Monroe St. Springfield, IL 62704

Year of original construction: 1960

Building additions: n/a

Phase 1 Design Objectives

- Provide new classroom and collaborative space for students and faculty
- Expand dining space to allow capacity of lunch service to seat all students in 3 or fewer periods
- Provide flexibility in the dining space to allow other functions to utilize the space outside of dining period
- Create a secure entry and access point for visitors
- Add an elevator to make all floors accessible
- Replace displaced programs required for accessibility projects

Site

- Develop outdoor seating and classroom space near dining

Building Construction

- Provide aesthetic that is complementary to existing Grant building
- Match existing masonry/exterior material construction with additions
- Match existing floor, paint, and ceiling finishes with products from the district standards
- Provide signage and wayfinding
- Extend flooring, paint patterns and schemes, ceilings, and other finishes with products matching or complementary products from the district standards
- Design addition to accommodate future additions

MEP

- Extend existing electrical service to a sub panel for distribution to additions
- Extend current HVAC systems and provide air conditioning to new areas via standalone systems
- Extend Fire Alarm, Fire Protection
- Relocate chillers and equipment as required

Technology

- Extend existing security, data networks, Wi-Fi network, telecom, bell and paging systems

Construction Delivery Method

- This project is to be constructed via Design-Bid-Build.

BUILDING PROGRAM (FULL) 8.2

Grant Middle School	Sq Ft	QTY	Total Sq Ft	Area per Student	Students/Ed. Space	Total Students	Number of Usable Existing Spaces Available	Number of Spaces Deficient	New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	New Spaces Required Phase 2	Phase 2 Area (sf) of New Space Required	COMMENTS	
STUDENT COLLABORATION SPACES																	
Commons (with Media)	1000		0														
CORE EDUCATIONAL ENVIRONMENTS (CLASSROOMS)																	
Classroom- AVID (Advancement Via Individual Determination)	850	2	1700	35	24	48	0	2						X	1700		
Classroom- Foreign Language	850		0														
Classroom- Health	850	2	1700	35	24	48	0	2						X	1700		
Classroom- Language Arts	850	4	3400				6	-2									
Classroom- Math	850	4	3400	35	24	96	5	-1	1	600			X			Math Academy	
Classroom- Social Studies	850	4	3400	35	24	96	5	-1									
ESL (English as a Second Language) Classroom	400	1	400	35	11	11	0	1						X	400		
PLTW (Project Lead the Way) Classroom	1200	1	1200	60	20	20	0	1						X	1200		
FINE AND APPLIED ARTS/ PERFORMANCE SPACES																	
Art Studio	1200	1	1200	50	24	24	1										
Art Storage	200	2	400				2										
Chorus Room	950	1	950	25	38	38	1										
Chorus Storage	150	1	150				4	-3									
Chorus Office	100	1	100				0	1						X	100		
Band Room	1400	1	1400	25	56	56	1										
Band Storage (General)	150	1	150				4	-3									
Band Storage (Instruments)	150	1	150				4	-3									
Band Office	100	1	100				0	1						X	100		
Auditorium with Stage (Large)	1200	1	1200				0	1						X	1200		
Stage Storage	200	1	200				0	1						X	200		
Stage Dressing Room	250	2	500				0	2						X	500		
Stage Control Room	250	1	250				0	1						X	250		
MEDIA CENTER/ LIBRARY SERVICES/ DISTANCE LEARNING LABS																	
Media Center/ Library	1500	1	1500				1										
Media Center/ Library Storage	200	1	200				1										
Media Center/ Library Office	100	1	100				1										
Media Center/ Library Workroom	150	1	150				0	1						X	150		
Technology/IT Storage	300	1	300				0	1						X	300		
Electronic Device Storage	200	1	200				0	1						X	200		
Production Studio	800		0				0										
PHYSICAL EDUCATION/ ATHLETIC FACILITIES (INSIDE AND OUTSIDE, SUPPORT SPACES FOR COACHES/ TEAMS)																	
PE Gymnasium (Regulation sized)	10000	1	10000				0	1						X	10000		
PE Gymnasium	6800	1	6800				1										
Physical Education Storage- Indoor equipment	400	1	400				2	-1									
Physical Education Office	120	2	240				2										
Athletic Storage	600	1	600				0	1						X	600		
Ref/Umpire Room	100	1	100				0	1						X	100		
PE Locker Room- Men	1500	1	1500				1										
PE Locker Room- Women	1500	1	1500				1										
Training/Taping Room	250	1	250				0	1						X	250		
Athletic Display Space	50	1	50					1									
SPACES FOR STUDENTS WITH SPECIAL NEEDS (CLASSROOMS, SMALL LEARNING AREAS)																	
Special Education- Large Classroom	500	3	1500	50	10	30	2	1						X	500		
Special Education- Small Classroom	350	3	1050	50	7	21	1	2						X	700		
Classroom- Life Skills	500	1	500	50	10	10	1										
Resource Room (Large)	300	3	900	50	6	18	0	3						X	900		
Resource Room (Small)	150	3	450	50	3	9	1	2						X	300		
Speech Classroom	125	1	125	50	3	3	1										
Speech Language Pathologist Office	100		0				0							X			
Occupational and Physical Therapy Room	150	1	150	150	1	1	0	1						X	150		
Office- SSS (Student Support Services)	100	1	100				0	1						X	100		
Office- Children's MOSAIC Project (Community Social Work)	100	1	100				0	1						X	100		
Special Needs Single User Toilet (Changing)	125	1	125				0	1			2	170	X				
21ST CENTURY/ PERSONALIZED LEARNING (FLEXIBLE LEARNING SPACES, SMALL GROUP, WHOLE GROUP)																	
General Classroom (Large) (STEM / STEAM?)	900	3	2700				0	3						X	2700		
Break-out/ Large Group Room	1000	1	1000				0	1						X	1000		
Break-out/ Small Group Room	500	1	500				0	1						X	500		
Student Storage (Lockers)	1000	2	2000					2						X	2000		
LEARNING LABS (SCIENCE, TECHNOLOGY, MAKER SPACE)																	
Maker Space	1000	1	1000				0	1						X	1000		
Project Based Learning Lab	1000	1	1000				0	1						X	1000		
Science Classroom	900	3	2700	40	23	69	3										
Science Lab	1500	3	4500	60	25	75	3										
Science Storage	150	3	450				1	2						X	300		
Science Prep	300	3	900				0	3						X	900		
RECEPTION/ LOBBY/ WELCOMING SPACE																	
Lobby/Welcoming area	200	1	200				1										DCEO Grant obtained to create controlled visitor entry vestibule.
Waiting Area	125	1	125				0	1						X	125		DCEO Grant obtained to create controlled visitor entrance.
Reception (General Office/Admin Assistant/Secretary)	400	1	400				1										
ADMINISTRATIVE SPACES (OFFICES, CONFERENCE ROOMS)																	
Office- Principal	175	1	175				1										
Office- Assistant Principal	140	1	140				2	-1									
Office- Dean	150	2	300				1	1			1	225	X				
Conference/ Meeting Room	175	2	350				0	2						X	350		
Work Room- Administrative	200	1	200				0	1						X	200		
Storage- Secure File	40	1	40				0	1						X	40		

BUILDING PROGRAM (FULL) 8.2

Grant Middle School																
	Sq Ft	QTY	Total Sq Ft	Area per Student	Students/Ed. Space	Total Students	Number of Usable Existing Spaces Available	Number of Spaces Deficient	New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	New Spaces Required Phase 2	Phase 2 Area (sf) of New Space Required	COMMENTS
Storage- General Administrative	200	1	200				0	1						X	200	
Administrative Dedicated Single User Toilet (office area)	75	2	150				2									
Office- General (Admin / PA / Intern / Other)	100	1	100				0	1			1	220	X			
Office- Safety/Security	100	1	100				0	1						X	100	
Office- Social Worker	100	1	100				0	1						X	100	
Office- Psychologist	100	1	100				0	1						X	100	
Office- ISS	200	1	200				0	1						X	200	
School Store	300	1	300				0	1						X	300	
FACULTY SUPPORT/ WORK SPACES																
Faculty Work Room (Large)	500	1	500				0	1						X	500	
Faculty Lounge Room (Large)	500	1	500				1		1	400			X			
Faculty Dedicated Single User Toilet	75	2	150				2									
Central Storage (Large)	300	1	300				0	1						X	300	
Storage (Books)	500	1	500				0	1						X	500	
Conference/Meeting Room	500	1	500				0	1						X	500	
Conference/ Meeting Room (Small)	200	1	200				0	1						X	200	
Professional Development Storage	100	1	100				0	1						X	100	
HEALTH SERVICES																
Nurse Office	300	1	300				0	1						X	300	
Nurse (cot/bed space)	150	1	150				0	1						X	150	
Nurse Storage	15	1	15				0	1						X	15	
Nurse Dedicated Single User Toilet	75	1	75				0	1						X	75	
DINING AND FOOD SERVICE																
Multi-Purpose/Cafeteria Commons	4000	1	4000			0	0.2	0.8	1	1950			X			
Multi-Purpose/Cafeteria Commons Storage	400	1	400				0	1	1	180			X			
Faculty Staff Dining	650	1	650				0	1						X	650	
Food Service Kitchen	1500	1	1500				1									
Food Service Storage	750	1	750				1									
Food Service Dedicated Single User Toilet	75	1	75				1	-1								
Concession Stand	300	1	300				0	1						X	300	
COMMUNITY SPACES																
Multi-Purpose/ Community Room (Large)	900	1	900				0	1						X	900	
Conference Room- Parent Education	200	1	200				0									
Office- Parent Educator	100	1	100				0	1						X	100	
F.A.C.E Family and Community Engagement- Storage	200	1	200				0	1						X	200	
BUILDING SERVICES/ FACILITIES																
MANAGEMENT SPACES																
Custodians' Closets	40	4	160				3	1						X	40	
Maintenance Central Storage	400	1	400				0	1						X	400	
Maintenance/Custodians' Office	100	1	100				1									
Laundry Room	150	1	150				0	1						X	150	
Receiving	650	1	650				0	1						X	650	
Electrical/ IT Room	100	2	200				0	2						X	200	
Electrical/ IT Storage	100	1	100				1									
OTHER																
Toilet- Single User	75	2	150				2									
Toilet- Men	350	4	1400				4									
Toilet- Women	350	4	1400				4									
Elevator + Machine Room	150	1	150				0	1	1	170			X			
District 186 Description of Work:																
10 yr H/LS Item - \$10,000																
Secure Entry Modification - \$50,000																
Roof - \$1,137,500																
Renovate 6 Toilet Rooms - \$750,000																
Elevator, 2 Ramps, 2 Chairlifts																
Enlarge Cafeteria																
Efficiency Factor			Total New Space at 52.9% Efficiency							6,237	0.18	3,453	-		73,795	
Subtotal										3,300		615	-		39,045	

BUILDING PROGRAM (PHASE 1) 8.2

Grant Middle School	Sq Ft	QTY	Total Sq Ft	New Spaces Required	Area (sf) of New Space Required	Renovated Spaces Required	Area (sf) of Renovated Spaces Required	Phase 1 Affected Spaces	COMMENTS
Classroom- Math	850	4	3400	1	600			X	Math Academy
Special Needs Single User Toilet (Changing)	125	1	125			2	170	X	
Office- Dean	150	2	300			1	225	X	
Office- General (Admin / PA / Intern /	100	1	100			1	220	X	
Faculty Lounge Room (Large)	500	1	500	1	400			X	
Multi-Purpose/Cafeteria Commons	4000	1	4000	1	1950			X	
Multi-Purpose/Cafeteria Commons Storage	400	1	400	1	180			X	
Elevator + Machine Room	150	1	150	1	170			X	
District 186 Description of Work:			Subtotal		3,300		615	-	
10 yr H/LS Item - \$10,000 Secure Entry Modification - \$50,000 Roof - \$1,137,500 Renovate 6 Toilet Rooms - \$750,000 Elevator, 2 Ramps, 2 Chairlifts Enlarge Cafeteria	Efficiency Factor	0.53	Total New Space at 52.9% Efficiency		6,237	0.18	3,453	-	

PROJECT BUDGET 8.2

Highland School District 186

December 2,

CONSTRUCTION BUDGET	\$4,631
----------------------------	----------------

CONSTRUCTION	\$4,078
---------------------	----------------

Foundation	6,237 sf	\$1,862,278.16	
Foundation	3,453 sf	\$2,216,437.75	

CONTINGENCY	\$552
--------------------	--------------

Contingency	5%	\$203,936	
Contingency	5%	\$214,133	
Construction Contingency	3%	\$134,904	

COSTS	\$456
--------------	--------------

ACQUISITION AND EVALUATION	\$13
-----------------------------------	-------------

Purchase			
Graphical Survey		\$6,500	
Technical Survey		\$6,500	

PROFESSIONAL SERVICES	\$379
------------------------------	--------------

Project/ Engineering Design Fees	8.02%	\$349,823	
Interior Design Fees		\$4,000	
Service Consultant			
Architect, Lighting & Rigging Design Consultant			
Acoustic/Audio/Video Design Consultant			
Technology Design Services		\$2,423	
Unrecoverable Expenses		\$23,158	

OTHER COSTS	\$64
--------------------	-------------

Technology, Telecom, Security		\$24,225	
Furniture, Fixtures, Equipment		\$40,000	

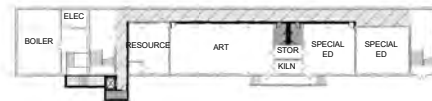
DESIGN DIAGRAM 8.2

10/31/2019

- ADMINISTRATION
- ASSEMBLY
- CLASSROOM
- SUPPORT
- CIRCULATION
- RENOVATED



SECOND FLOOR PLAN



BASEMENT FLOOR PLAN

BASEMENT & SECOND FLOOR PLAN

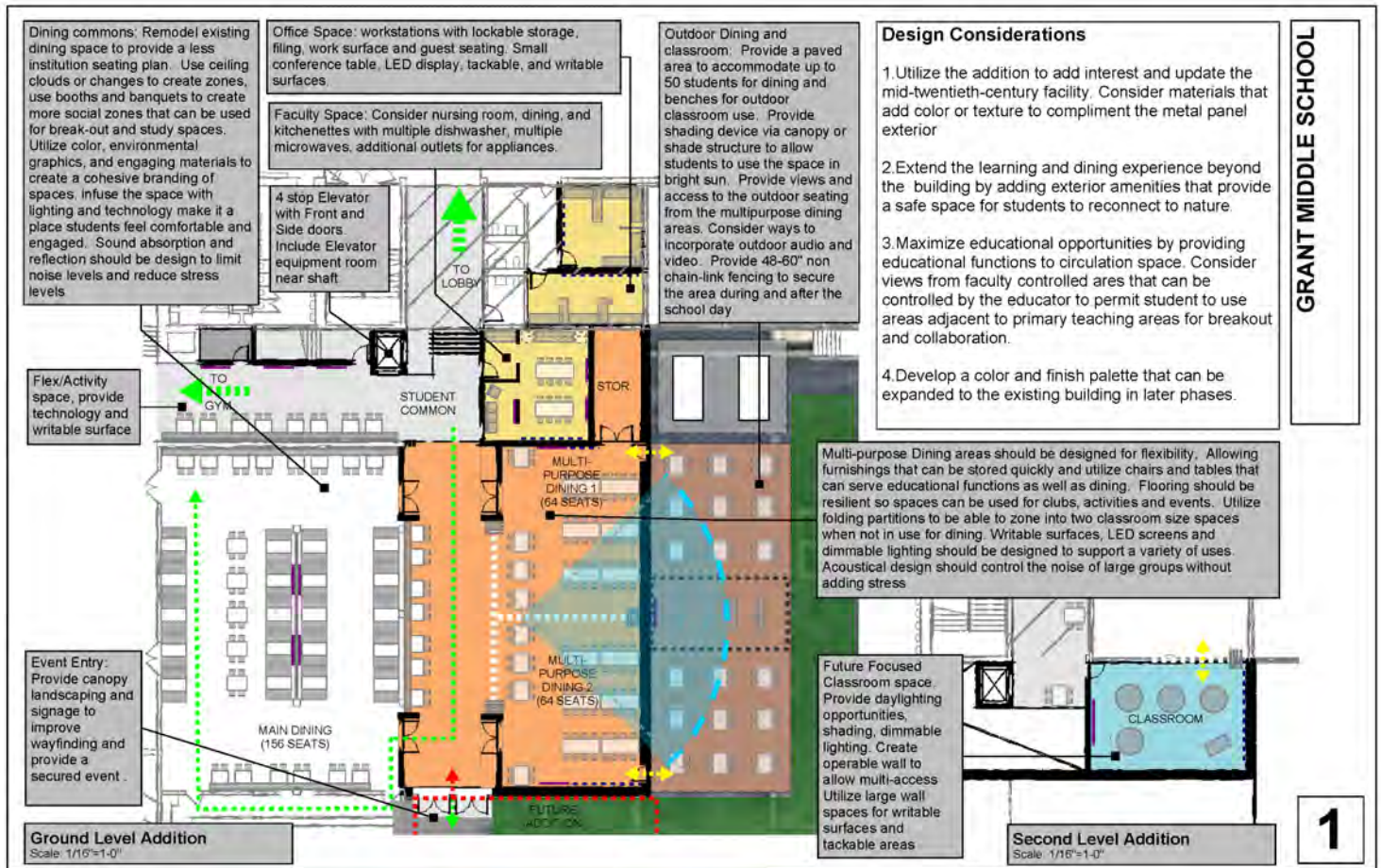
SCALE: 1" = 50'-0"



BLDD
ARCHITECTS
BLDD Project No. 196EX27.200

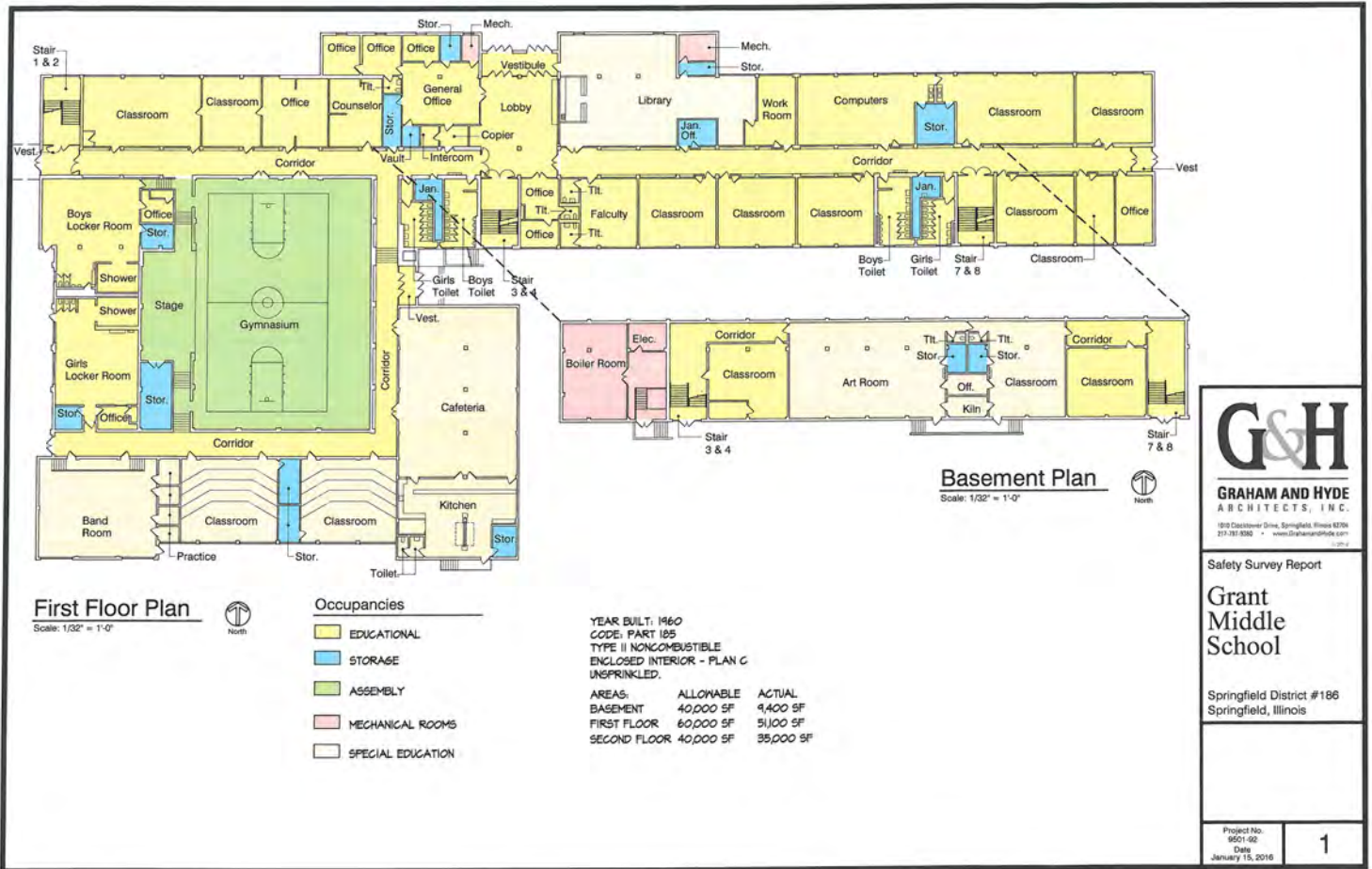
GRANT MIDDLE SCHOOL
1800 W. MONROE ST

SCOPE DIAGRAM 8.2



NOT APPLICABLE FOR
GRANT MIDDLE SCHOOL

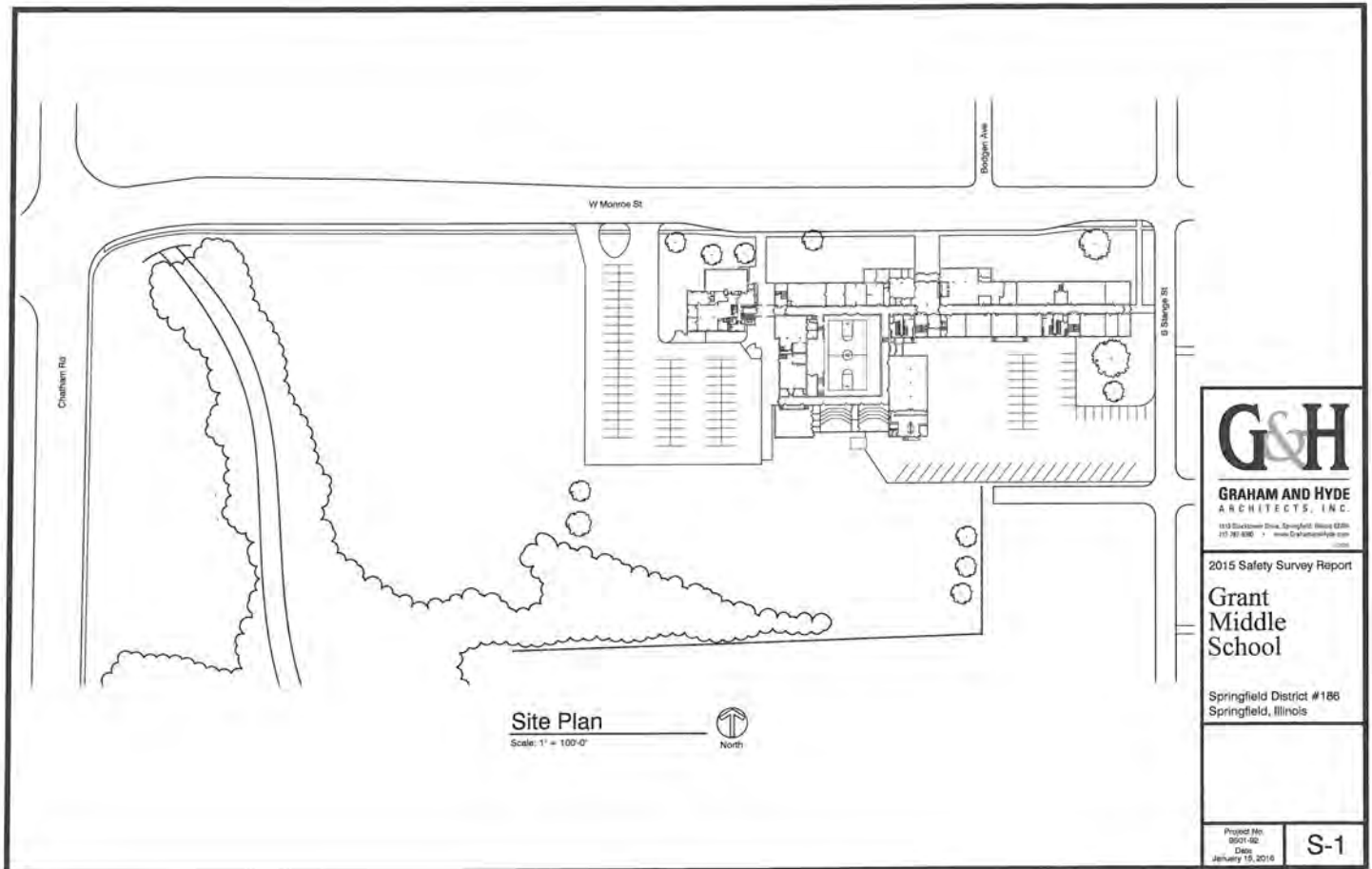
EXISTING CONDITIONS: FLOOR PLAN 8.2



EXISTING CONDITIONS: FLOOR PLAN 8.2



EXISTING CONDITIONS: SITE PLAN 8.2



SPRINGFIELD
DISTRICT 186 SCHOOLS
GRANT MIDDLE SCHOOL
SITE ASSESSMENT
OCTOBER 2019

GRANT MIDDLE SCHOOL

I. GENERAL

- The proposed addition replaces asphalt pavement with building. Anticipate that the loss of parking and play area is to be replaced.
- Access from the south and east is too open.
- Traffic flow patterns for student drop-off or pick-up should be assessed.
- This site was originally a dump location primarily for excavated materials so there are variable unknown foundation materials.
- An e-mail from the Illinois Department of Natural Resources, noted their review of the Illinois Natural Heritage Database contained no record of State-listed threatened or endangered species, natural area inventory sites, nature preserves, or land and water reserves in the vicinity of this school.
- Vasconcelles Engineering Corporation (VEC) submitted a letter to the Illinois Historic Preservation Agency (IHPA) on September 18, 2019. As of October 15, 2019, we have not received any correspondence. (see attached letter)

II. DRAINAGE

- Drainage from the east comes down West Capitol Avenue and the area north of it to West Monroe Street, to the asphalt parking area, and flows through the school property to Jacksonville Branch. There appears to be a property connection to the Jacksonville Branch and a swale along the south property line that discharges to the Jacksonville Branch. To access the swale would require a storm sewer to near the SE corner of the soccer field.

III. SEWERS

- There is an 18” combined sewer line that flows to the west from near the intersection of Stange Avenue and West Capitol Avenue that connects to a 96” combined sewer near the south property line. The 18” sewer line is very deep and appears to pick up a sanitary line that runs from near the center of the school. There is also a 27” sanitary sewer line that is closer to the Jacksonville Branch.
- A storm sewer line runs in about the same general alignment as the 18” combined sewer.

IV. ELECTRIC

- Electric service is primarily from the north and east. There is an electric line on the west and south side of the school that services the lights in the parking lots.

V. GAS

- There is a 2” gas main running east and west in West Monroe Street and a 2” gas main running north from the intersection of South Stange Street and West Capitol Avenue.

VI. WATER

- There is a 6” water main that runs around the entire building. At the intersection of Monroe Street and Stange Street the water main runs to the north and east.

VII. DETENTION

- If the outlet system from the detention storage is connected to a storm sewer system or a waterway, the proposed condition 10-year and 100-year frequency release rates are typically required to be no greater than the existing condition 10-year and 100-year frequency flow rates to the storm sewer or waterway. Detention may not be beneficial at this location as the

delayed releases would potentially add to the peak flows of the Jacksonville Branch. If detention storage is required it would be more beneficial if it were applied to the flows of the Jacksonville Branch.

VIII. UNDERMINING

- The school property is located in an underground mine region.

IX. EXTERNAL FLOOD

- Most of the school property is above the 100-year frequency flood water surface elevation (base flood elevation). If the addition and all related fill materials are placed above the base flood elevation, there would not be a required mitigation for fill in the floodplain.

X. GEOTHERMAL

- The geothermal field is in the lower portion of the property near the Jacksonville Branch.

AERIAL 2018-10-16



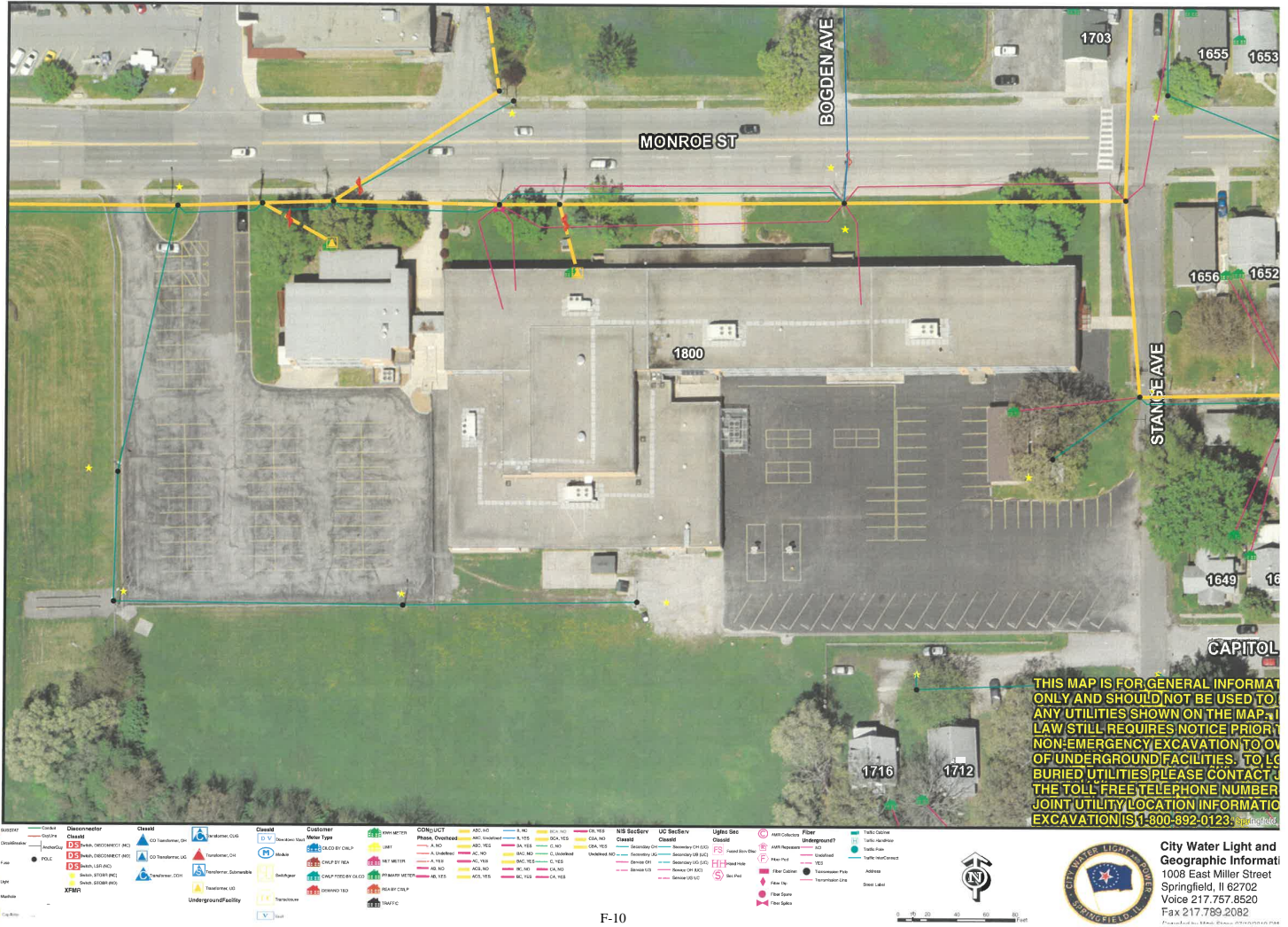
PARCELS



2007 CONTOURS



ELECTRIC MAP

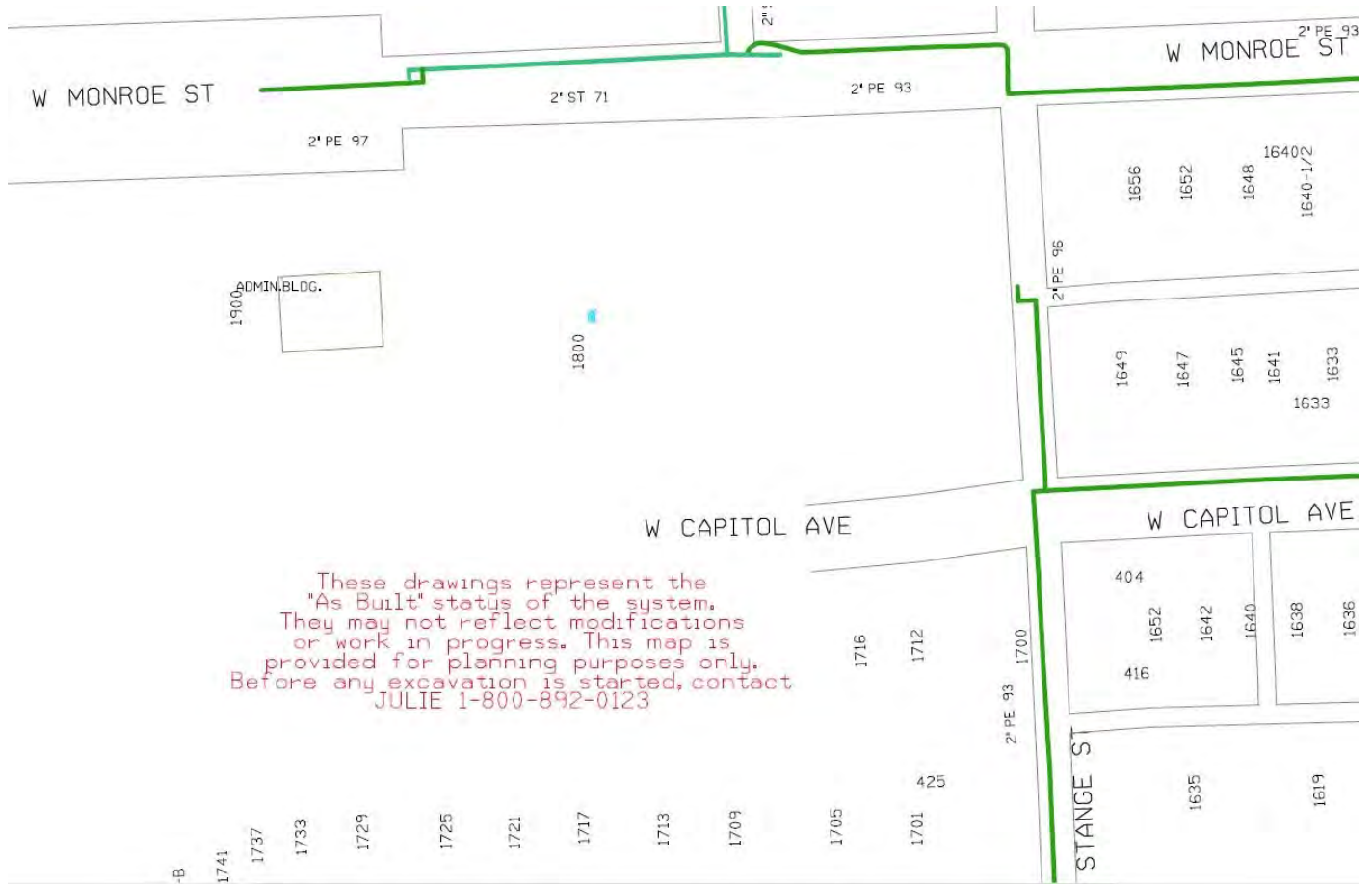


THIS MAP IS FOR GENERAL INFORMATION ONLY AND SHOULD NOT BE USED TO... ANY UTILITIES SHOWN ON THE MAP... LAW STILL REQUIRES NOTICE PRIOR TO NON-EMERGENCY EXCAVATION TO... OF UNDERGROUND FACILITIES. TO LOCATE BURIED UTILITIES PLEASE CONTACT THE TOLL FREE TELEPHONE NUMBER JOINT UTILITY LOCATION INFORMATION EXCAVATION IS 1-800-992-0123.

City Water Light and Geographic Information
 1008 East Miller Street
 Springfield, IL 62702
 Voice 217.757.8520
 Fax 217.789.2082

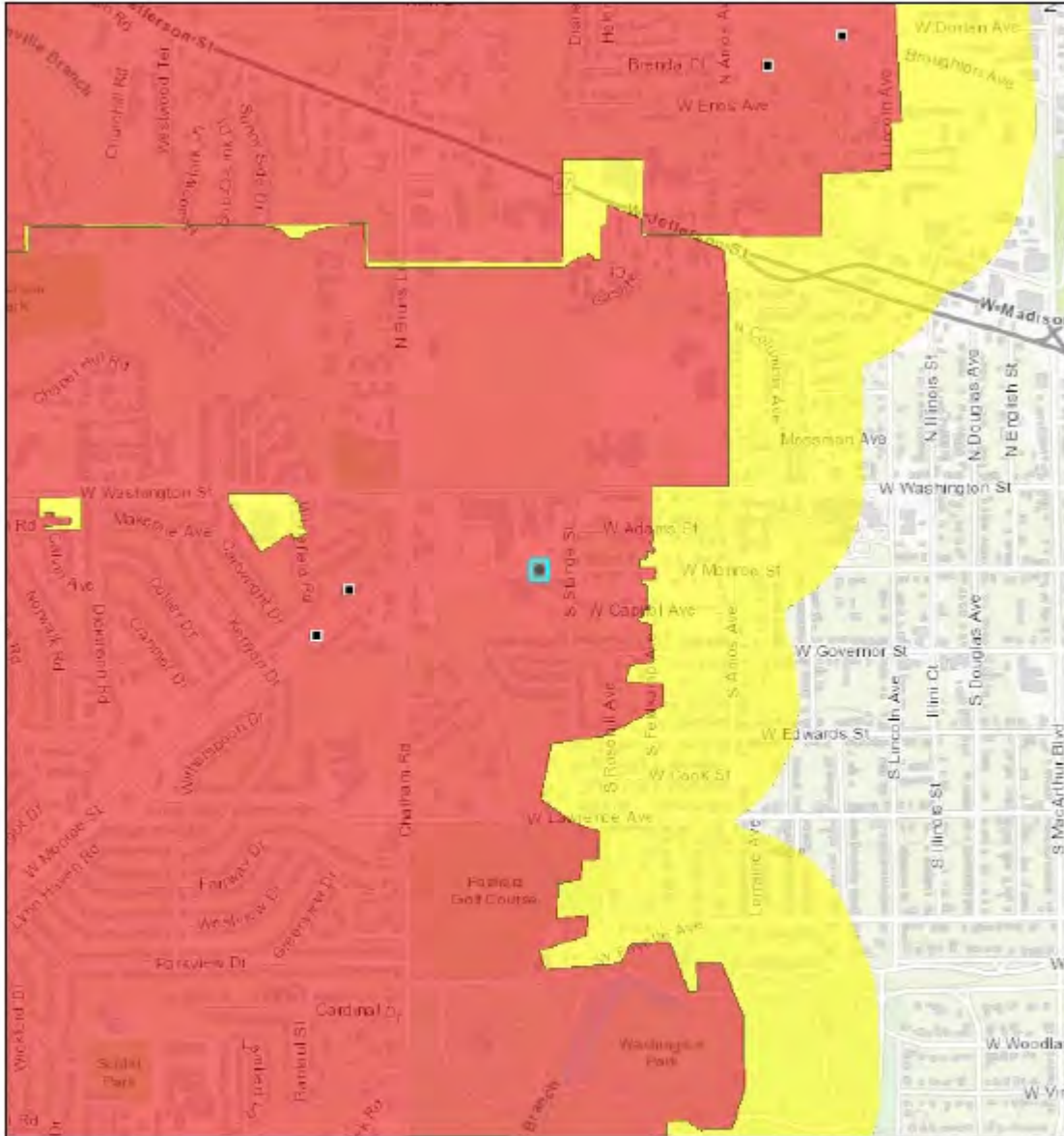
F-10

GAS MAP



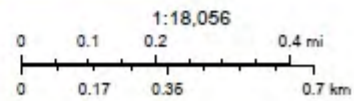
UNDERGROUND MINE MAP

Illinois State Geological Survey -- ILMINES



9/16/2019, 11:25:57 AM

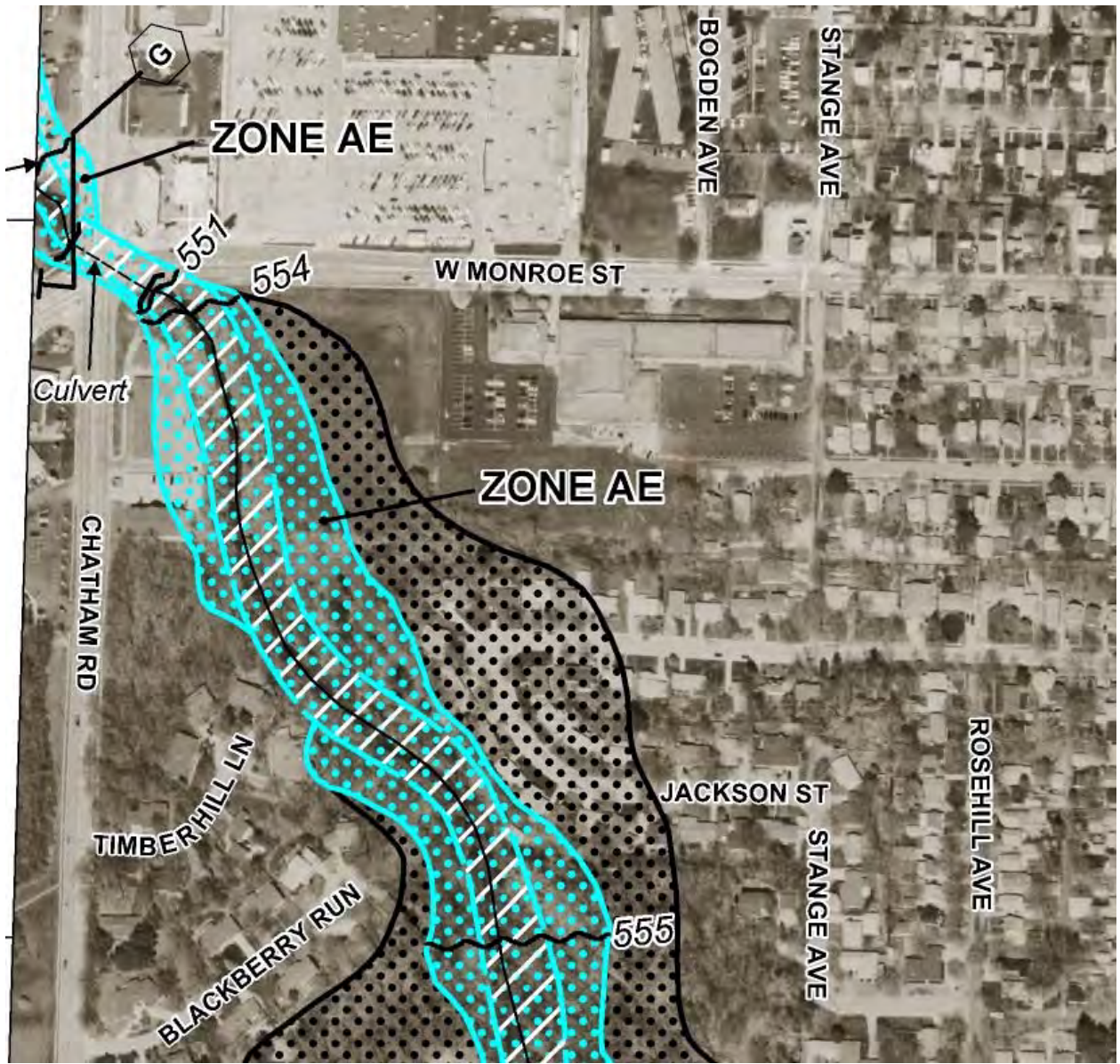
- Underground Mine Buffer Region
- Non Coal Mines
- Underground Coal Mines
- Surface
- Indefinite Underground Mine Boundary
- Non Coal Mine Shaft
- Coal Mine Shaft



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBasis, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Illinois State Geological Survey - ILMINES
Prairie Research Institute, University of Illinois

FLOOD INSURANCE RATE MAP



Applicant: Vasconcelles Engineering Corp
Contact: Steve Kuper
Address: 2417 West White Oaks Dr.
Springfield, IL 62704

Project: Grant Middle School
Address: 1800 West Monroe Street, Springfield

IDNR Project Number: 2003198
Date: 09/26/2019

Description: Building Addition

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database contains no record of State-listed threatened or endangered species, Illinois Natural Area Inventory sites, dedicated Illinois Nature Preserves, or registered Land and Water Reserves in the vicinity of the project location.

Consultation is terminated. This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary. Termination does not imply IDNR's authorization or endorsement.

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Sangamon

Township, Range, Section:
16N, 5W, 32



IL Department of Natural Resources

Contact

Brian Willard
217-785-5500
Division of Ecosystems & Environment

Government Jurisdiction

IL Environmental Protection Agency
Amy L. Dragovich, P.E.
1021 North Grand Ave. East
P.O. Box 19276
Springfield, Illinois 62701

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.
2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.
3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

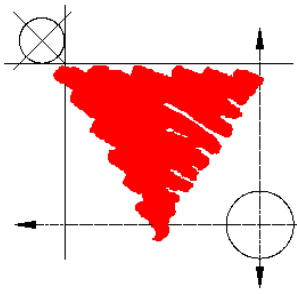
Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.



vasconcelles

engineering corporation

Principals

James Vasconcelles
Mark Vasconcelles, P.E.
Shayla Pfaffe, P.L.S.
Trent Dalton
Steve Kuper
Wendi Wallner

September 18, 2019

Anne E. Haaker
Illinois Historic Preservation Agency
1 Old State Capitol Plaza
Springfield, IL 62701

RE: Grant Middle School, Springfield, IL

Dear Ms. Haaker:

The Springfield Public Schools are planning to construct an addition to Grant Middle School, 1800 West Monroe Street, Springfield, IL. Enclosed is a general location map to assist you in understanding the location of the proposed addition.

We will be filling out the Notice of Intent for the Illinois Environmental Protection Agency NPDES permit and wanted to consult your office in regards to Historic Preservation.

I am requesting your review of this information. If you have any questions or need additional information, please feel free to contact me.

Sincerely,

VASCONCELLES ENGINEERING CORPORATION

Steven D. Kuper

Enclosure

sdk
677-191

Consulting Engineers

Springfield Office
2417 West White
Oaks Drive
Springfield, IL 62704

217.698.3114
Fax 217-698-3115

1.800.727.4VEC

E-mail
vec@vasconcelles.com



DISTRICT 186
SPRINGFIELD PUBLIC SCHOOLS

TRANSFER PACKAGE #9

LANPHIER HIGH SCHOOL

OUR SCHOOLS
OUR FUTURE

FACILITIES MASTER PLAN, PHASE 1 2020
(REVISED OCTOBER 2020)

PROJECT MANAGEMENT TEAM

BLDD Architects

IDG Architects

O'Shea Builders

CJP Architects

Vasconcelles Engineering

Hanson Engineering

CONTENTS

9.1 Lanphier High School

Project Summary.....	9.1-1
Building Programs.....	9.1-4
Project Budget.....	9.1-9
Design Intent	
Design & Scope Diagrams	9.1-10
HPD/IDNR Plan	9.1-27
Project Schedule	9.1-45
Existing Conditions	
Floor Plans.....	9.1-46
Site Plans	9.1-51
Site Assessment.....	9.1-52

PROJECT SUMMARY 9.1

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

LANPHIER HIGH SCHOOL

Grades: 9–12 Enrollment: 1132
Address: 1300 N. 11th St. Springfield, IL 62702
Year of original construction:
Building additions: n/a



This package includes phased upgrades and additions to the existing facility to provide a future-focused 1,200 student high school, ensuring equitable opportunities and program support for all secondary students in the district. The facility will honor the historical legacy of the building, while supporting the current and future educational needs of students through evidence-based and flexible design.

Design Intent

- Update primary educational delivery spaces with the addition of flexible and future focused classroom spaces. Integrate technology and furnishings to allow multiple teaching and learning approaches to be deployed to support the curriculum and staff needs.
- Improve student engagement zones with social and emotional support spaces through-out the facility that allow alternative learning spaces for faculty and students to utilize, open collaboration commons, learning commons, and break out spaces.
- Create future-focused academic areas and repurpose portions of the original LHS to accommodate programs housed in the former Edison wing.
- Create an addition to accommodate secure entry locations and to support athletic programs
 - Provide competition space for basketball, volleyball, tennis, wrestling, and other indoor sports. These spaces should be able to accommodate multiple events simultaneously.
 - Provide training and practice facilities for basketball, volleyball, tennis, wrestling baseball, softball, football, track and field, and other indoor sports and activities.
 - Provide training and locker room facilities to support the LHS programs. These shall allow access to the gymnasiums and the provide support for outdoor sports that are remote to campus.
 - Provide additional access and team neutral locker room access to Memorial Stadium for district-wide use.
 - Improve Memorial Stadium, including entry areas, seating, track surface, and athletic surfacing to support football, track and field, soccer, marching band, and other all-weather sporting needs.
- Improve performing arts spaces with dedicated performing arts auditorium, rehearsal areas, and backstage areas in an addition.
- Improve school security with an administrative addition, secure entry areas, and improved parking and circulation on the site.
- Create large gathering spaces for safe, efficient, and effective dining; same spaces to serve as pre-function and post function hosting during events.

PROJECT SUMMARY 9.1

- Improve faculty collaboration by including multiple faculty support spaces and meeting rooms to allow team and departmental coordination.
- Improve the internal circulation of the existing building by reducing pinch points and allowing multiple vertical and horizontal paths to all areas.

Project Specific Recommendations

Site

- Develop clear site circulation for student parking, visitor access, bus drop-off, staff parking, and event parking.
- Utilize the additions to create clear points of entry to the secured vestibules.

Building Construction

- Provide aesthetic that is complementary to existing Lanphier High School.
- Utilize masonry, stone, precast and glazing systems to blend and enhance the original early 20th Century historic building
- Create floor, paint, and ceiling finishes with products from the district standards that create a historically sympathetic but stimulating interior environment.
- Provide signage and wayfinding to create a cohesive visitor and student experience.
- Allow future additions and renovations to be accommodated in future phases

MEP

- Extend and improve electrical service with to a sub panel for distribution to additions.
- Replace current HVAC systems and provide air conditioning to modernize the physical plant
- Replace Fire Alarm, Fire Protection

Technology

- Replace existing security, data networks, Wi-Fi network, telecom, bell and paging systems.

Construction Delivery Method

- This project is to be constructed via Construction Manager as Constructor.

Design Considerations

All educational facilities should include design considerations that facilitate educational delivery and mitigate the transmission of infectious diseases during a public health emergency.

These considerations should include the following topics at a minimum:

School Nurse Facilities

Provide at a minimum provide access to dedicated handwashing and toilet facilities adjacent to the cot and office areas. If possible, locate Nurse office/cot space adjacent to spaces that can be converted to isolation or additional cot space during a contagious event. These adjacent spaces like all nursing spaces should allow for easy sanitizing and when possible should have direct access to a public exit to prevent contamination of adjacent areas. Design space to allow access to medication and supplies without cross-contamination cot space or areas used for isolation.

Interior Surfaces

Select and specify surface materials and details that facilitate cleaning and reduce the potential transmission of viral, bacterial, fungal, and other contagions.

PROJECT SUMMARY 15.1

Circulation

Designs should allow for safe travel throughout the building with minimal contact. The design of commons areas, lobbies, corridors, and other primary arteries of circulation is to be evaluated for their ability to accommodate the need for increased social distancing, one-way traffic flow, and zoning of occupants. Consider the reduction of two-sided locker hallways, narrow corridors that are restricted by solid walls, and designs that increase 1-way travel distances.

Student Storage

Consider design options that eliminate or reduce dedicated student storage, such as lockers, locker commons, etc. that increase travel distances and unnecessary student interaction during passing periods. Consider policy ramifications of decisions when appropriate.

Faculty Space

Create faculty assigned spaces that can allow modifications to reduce the transmission and exposure of infectious diseases. These may include offices and faculty storage, suites of learning environments, or other groups that allow more sharing of space to reduce student travel, remote learning, team teaching, or other modifications.

Increased Flexibility in Facility and Equipment

Design classrooms and shared spaces to allow rooms to grow or shrink to allow different seating layouts and capacities. Strategies may include:

- Increase views to adjacent spaces to allow the monitoring of students beyond the classroom.
- Limit fixed casework to increase wall surfaces for additional operable walls, windows, and doors to allow shared access.
- Reduce small, dedicated, but limited-use spaces that reduce adaptability.
- Limit fixed shelving and equipment placement to the perimeter of large spaces, such as libraries, commons, specialty labs, etc. to allow them to be reconfigurable for additional capacity.
- Consider alternatives to fixed seating in auditoriums, theaters, and cafeterias to allow different uses.
- Include integrated and flexible open learning spaces along primary circulation paths to allow education spaces to expand or traffic circulation changes.
- Maximize the use of operable walls.
- Increase the ability to distance users within athletic facilities, including locker areas and training spaces.

Exterior Considerations

Allow for additional screening cueing at all main entries. Develop outdoor classroom areas that can extend the building's capacity. Provide shelter and the ability to deploy portable heating and cooling equipment to extend usability.

Food Service

Increase access to handwashing stations in dining areas, allow for grab and go service, reduce lines and cueing, select easily washable/cleanable furniture, and accommodate for capacity changes.

Hygiene

Consider additional handwashing and sanitizing stations throughout the facility. Consider additional gender-neutral toilet room designs to allow greater capacity during more frequent cleaning and sanitizing of toilet facilities.

Mechanical Systems

Consider additional indoor air filtration, air exchanges, and zoning to minimize exposure to air-borne infections. Employ dedicated out-door air or small group zoning strategies to minimize facility-wide exposure. Utilize system designs that encourage good maintenance procedures by making future access uniform and convenient. Increase the quality of filtration systems and air quality monitoring systems. Integrate the latest guidance by ASHRAE for educational facilities, including any supplemental guidance, such as guidance for the safe reopening of schools.

BUILDING PROGRAM (PHASE 1) 9.1

LanphierHighSchool	New Standard Qty	New Standard Sq Ft	Total Standard Sq Ft	Total Space Available for Renovation	Renovation Type	Total End Result Qty	Total End Result Sq Ft	Include? (Y/N)	Total Included End Result Sq Ft	Phase 1 Affected Spaces	Phase 1 Comments
CORE EDUCATIONAL ENVIRONMENTS (CLASSROOMS)	44	5,500	30,000	3,275		26	16,500		16,500	X	
Classroom- English	10	750	750			5	3,750		3,750	X	
Classroom- Foreign Language	6	750	4500			4	3,000		3,000	X	
Classroom- History	9	750	6750			6	4,500		4,500	X	
Classroom- Math	9	750	6750			2	1,500		1,500	X	
Classroom- Health	1	750	750			1	750		750	X	
Classroom- Study Hall			0	1,350	Moderate					X	
Classroom- Unassigned			0	1,925	Moderate					X	
Faculty Offices	6	250	1500			6	1,500		1,500	X	
Classroom- AVID (Advancement Via Individual Determination)	2	750	1500			2	1,500		1,500	X	
LEARNING LABS (SCIENCE, TECHNOLOGY, MAKER SPACE)	25	8,750	15,750	800		10	4,900		4,150	X	
Science Lab/Classroom	1	1200	1200			1	1,200		1,200	X	
Science Storage	1	150	150			1	150		150	X	
Science Office	1	100	100			1	100		100	X	
Science Prep	1	300	300			1	300		300	X	
Unassigned Classroom			0	800	Minor					X	
PLTW Lab/STEAM Lab	2	1200	2400			2	2,400		2,400	X	
21ST CENTURY/ PERSONALIZED LEARNING (FLEXIBLE LEARNING SPACES, SMALL GROUP, WHOLE GROUP)	10	1,900	3,800			10	3,800		3,800	X	
Student Commons/Collaboration	2	1200	2400			2	2,400		2,400	X	
Conference/Meeting Room	2	250	500			2	500		500	X	
Small Group/Campfire Spaces	2	125	250			2	250		250	X	
Individual Work/Cave Spaces	2	75	150			2	150		150	X	
Staff Office/Resource/Work Area	2	250	500			2	500		500	X	
CAREER AND TECH PREP LABS (CULINARY, BUSINESS, ENGINEERING)	16	6,150	12,100			10	8,050		8,050	X	
FACS/Business Classroom	3	750	2250			1	750		750	X	
Culinary Arts/FACS Lab	2	1600	3200			1	1,600		1,600	X	
Culinary Arts/FACS Storage	2	200	400			2	200		200	X	
Culinary Arts/FACS Office	1	100	100			1	100		100	X	
Shop Classroom	2	750	1500			2	1,500		1,500	X	
Shop/R&D/Prototype Lab	2	1600	3200			2	3,200		3,200	X	
Shop Class Storage	2	300	600			2	600		600	X	
Shop Class Office	1	100	100			1	100		100	X	
FINE AND APPLIED ARTS/ PERFORMANCE SPACES	21	20,430	22,360			12	16,810		-	X	
Auditorium with Stage (Large)	1	11000	11000			1	11,000	N		X	Repurpose existing auxiliary gym.
Stage Storage	1	400	400			1	400	N		X	Repurpose existing auxiliary gym.
Stage Green Room	1	250	250			1	250	N		X	Repurpose existing auxiliary gym.
Stage Dressing Room	2	250	500			2	500	N		X	Repurpose existing auxiliary gym.
Stage Control Room	1	150	150			1	150	N		X	Repurpose existing auxiliary gym.
MEDIA CENTER/ LIBRARY SERVICES/ DISTANCE LEARNING LABS	8	6,300	6,300			4	2,000		-	X	

BUILDING PROGRAM (PHASE 1) 9.1

LanphierHighSchool	New Standard Qty	New Standard Sq Ft	Total Standard Sq Ft	Total Space Available for Renovation		Total End Result Qty	Total End Result Sq Ft	Include? (Y/N)	Total Included End Result Sq Ft	Phase 1 Affected Spaces	Phase 1 Comments
				Renovation	Renovation Type						
PHYSICAL EDUCATION/ ATHLETIC FACILITIES (INSIDE AND OUTSIDE, SUPPORT SPACES FOR COACHES/ TEAMS)	18	30,870	31,560	30,455		18	31,560		31,560	X	
Athletics Locker Room- Men	1	1800	1800			1	1,800		1,800	X	
Athletics Locker Room- Women	1	1800	1800			1	1,800		1,800	X	
Coach's Shower	2	75	150			2	150		150	X	
Coach's Office	2	115	230			2	230		230	X	
Team Room	1	700	700			1	700		700	X	
Wrestling Room	1	3000	3000			1	3,000		3,000	X	
Gymnasium	1	18000	18000			1	18,000		18,000	X	
Janitor's Closet	1	70	70			1	70		70	X	
Weight Room	1	3000	3000			1	3,000		3,000	X	
Men's Bathroom	1	730	730			1	730		730	X	
Woman's Bathroom	1	730	730			1	730		730	X	
Concession	1	350	350			1	350		350	X	
Equipment Storage	2	350	700			2	700		700	X	
Storage	2	150	300			2	300		300	X	
PE Gymnasium				12,600						X	
Auxiliary Gym				6,400	Major					X	Repurpose as Auditorium
Stage				670	Major					X	Repurpose as Auditorium
Storage				1,470	Major					X	Repurpose as Auditorium
Athletic Storage (Basement)				1,300	Major					X	Repurpose as Auditorium
Laundry Room (Basement)				200	Major					X	Repurpose as Auditorium
Unassigned Rooms (Basement)				565	Major					X	Repurpose as Auditorium
Locker Rooms				1,950	Major					X	Repurpose as Auditorium
Coach's Office				165	Major					X	Repurpose as Auditorium
Coach's Showers				120	Major					X	Repurpose as Auditorium
PE Locker Room- Men				2,150						X	
PE Locker Room- Women				2,280						X	
Coach's Office w/ Shower - Women				250						X	
Coach's Office w/ Shower - Men				335						X	
SPACES FOR STUDENTS WITH SPECIAL NEEDS (CLASSROOMS, SMALL LEARNING AREAS)	22	2,875	9,850	-		16	5,850		5,850	X	
Special Education- Large Classroom	6	750	4500			1	750		750	X	
Special Education- Small Classroom	3	500	1500			3	1,500		1,500	X	
Resource Room (Large)	3	500	1500			3	1,500		1,500	X	
Resource Room (Small)	3	350	1050			3	1,050		1,050	X	
Occupational and Physical Therapy Room	2	150	300			2	300		300	X	
Office- SSS (Student Support Services)	2	250	500			1	250		250	X	
Student Support Services Space	1	250	250			1	250		250	X	
Special Needs Single User Toilet (Changing)	2	125	250			2	250		250	X	
RECEPTION/ LOBBY/ WELCOMING SPACE	4	875	1,175	250		2	875		875	X	

BUILDING PROGRAM (PHASE 1) 9.1

LanphierHighSchool	New Standard Qty	New Standard Sq Ft	Total Standard Sq Ft	Total Space Available for		Total End Result Qty	Total End Result Sq Ft	Include? (Y/N)	Total Included End Result Sq Ft	Phase 1 Affected Spaces	Phase 1 Comments
				Renovation	Renovaton Type						
Storage- General Administrative	1	300	300	100	Moderate	1	300		300	X	
Storage- Book Storage	1	300	300			1	300		300	X	
Administrative Dedicated Single User Toilet (office area)	4	75	300	90	Moderate	2	300		300	X	
Office- General (Admin / PA / Intern / Other)	1	150	150			1	150		150	X	
Testing			0	700	Moderate					X	Repurpose as Guidance and College
Office- Safety/Security (North Office)	1	120	120			1	120		120	X	
Office- Vision Coordinator	1	120	120			1	120		120	X	
Office- Social Worker	1	120	120			1	120		120	X	
Office- Psychologist	1	120	120			1	120		120	X	
Recovery Room	1	300	300			1	300		300	X	
Office- Guidance Counselor	3	150	450			3	450		450	X	Use existing Testing Spaces
College Room (future planning)	1	200	200			1	200		200	X	Use existing Testing Spaces
Office- Workforce Coordinator	1	100	100			1	100		100	X	
School Store	1	300	300			1	300		300	X	
FACULTY SUPPORT/ WORK SPACES	8	1,325	2,650	60		5	2,150		2,150	X	
Faculty Work Room (Large)	2	500	1000			2	1,000		1,000	X	
Faculty Lounge Room (Large)	2	500	1000			1	500		500	X	
Faculty Dedicated Single User Toilet	2	75	150	60	Moderate		150		150	X	
Conference/Meeting Room	2	250	500			2	500		500	X	
HEALTH SERVICES	3	975	975			3	975		975	X	
Nurse Office	1	200	200			1	200		200	X	
Nurse (cot/bed space)	1	300	300			1	300		300	X	
Nurse Dedicated Single User Toilet	1	75	75			1	75		75	X	
DINING AND FOOD SERVICE	8	13,725	13,725			5	11,825		7,325	X	
Food Service Kitchen	1	3600	3600			1	3,600		3,600	X	
Food Service Servery	1	1500	1500			1	1,500		1,500	X	
Food Service Storage	1	1500	1500			1	6,000		1,500	X	
Food Service Office	1	150	150			1	150		150	X	
Food Service Dedicated Single User Toilet	1	75	75			1	75		75	X	
Receiving	1	500	500			1	500		500	X	
COMMUNITY SPACES	9	3,650	3,650			5	2,400		2,400	X	
Multi-Purpose/ Community Room (Large)	1	1200	1200			1	1,200		1,200	X	
Multi-Purpose/ Community Room (Small)	1	400	400			1	400		400	X	
Conference Room- Parent Education	1	200	200			1	200		200	X	
Office- Parent Educator	1	100	100			1	100		100	X	
F.A.C.E Family and Community Engagement- Office	1	100	100			1	100		100	X	
Community Resource Center	1	400	400			1	400		400	X	
BUILDING SERVICES/ FACILITIES MANAGEMENT SPACES	5	1,500	1,500			3	1,300		1,300	X	
Maintenance Central Storage	1	500	500			1	500		500	X	
Laundry Room	1	200	200			1	200		200	X	
Recycling Room	1	100	100			1	100		100	X	

BUILDING PROGRAM (PHASE 1) 9.1

LanphierHighSchool	New Standard Qty	New Standard Sq Ft	Total Standard Sq Ft	Total Space Available for Renovation	Renovation Type	Total End Result Qty	Total End Result Sq Ft	Include? (Y/N)	Total Included End Result Sq Ft	Phase 1 Affected Spaces	Phase 1 Comments
--------------------	------------------	--------------------	----------------------	--------------------------------------	-----------------	----------------------	------------------------	----------------	---------------------------------	-------------------------	------------------

									Less Net Space to be Repurposed	7,788
									Total Net Sq Ft	80,428
									Efficiency Factor	0.70
									Total Addition Gross	115,723
									Total Gross Sq Ft	272,175
									Target Sq Ft	272,490
									Δ	(315)

Total Standard Gross	Major	12,840
	Moderate	5,338
	Minor	2,450
		230,536
Total Standard Gross less PE Gym spaces		167,240
		0.70
		238,914

	Program	Budget	Program Notes
Total New Construction (Gross)	115,700	117,000	75,000 to replace Edison wing. 42,000 for Field House.
Major Renovation (Net)	12,840	12,000	Repurposing existing (East) gym as Auditorium.
Moderate Renovation (Net)	5,338	37,390	Dollars allocated for historical renovation of original building (49,390 less 12,000 for auditorium.Space within original building identified as available for renovation to be repurposed as deficient spaces from Standard.
Space Available to Repurpose	2,450		Space outside of original building that is extraneous to the Standard and can be available to repurpose for deficient
Target Enrollment	1200	192	Sq Ft per Student (less field house)

BUILDING PROGRAM (PHASE 2) 9.1

LanghieriHighSchool	New Standard Qty	New Standard Sq Ft	Total Standard Sq Ft	Total Space Available for Renovation	Renovation Type	Total End Result Qty	Total End Result Sq Ft	Included? (Y/N)	Total Included End Result Sq Ft	Phase 1 Affected Spaces	Phase 1 Comments	Phase 2 Renovation Include? (X)	Phase 2 Renovation Sq Ft	Phase 2 Addition Include? (X)	Phase 2 Addition Sq Ft	Total Phase 2 Sq Ft	Phase 2 Affected Spaces	Phase 2 Comments	
																			8,150
LEARNING LABS/SCIENCE, TECHNOLOGY, MAKER SPACE:																			
Chemistry Office	1	150	150			1	150	N							150	150		X	
Biology Storage	2	300	300			2	300	N				X	140			140			X
Ecology Office	2	150	300			2	300	N						X		300			X
Biology Prep	2	300	600			1	300	N						X		300			X
Physics Office	1	150	150			1	150	N						X		150			X
CAREER AND TECH PREP LABS (CULINARY, BUSINESS, ENGINEERING):																			
Culinary Arts/FACS Storage	2	200	400			2	200	N				X	250			250			X
FINE AND APPLIED ARTS/ PERFORMANCE SPACES:																			
Art Office	1	150	150			1	150	N						X		150			X
Art Kith Room	1	150	150			1	150	N						X		150			X
Chorus Office	1	150	150			1	150	N						X		150			X
Band Room	1	3000	3000			1	3000	N				X	1720			1720			X
Band Storage (General)	1	300	300			1	300	N				X	40			340			X
Band Storage (Instruments)	1	300	300			1	300	N						X		300			X
Band Storage (Uniforms)	1	300	300			1	300	N						X		300			X
Band Office	1	150	150			1	150	N						X		150			X
Practice Room	2	80	160			2	160	N						X		160			X
MEDIA CENTER/ LIBRARY SERVICES/ DISTANCE LEARNING LABS:																			
Media Center/ Library Workroom	1	150	150			1	150	N						X		150			X
Technology/IT Storage	1	300	300			1	300	N						X		300			X
Technology/IT Office	1	150	150			1	150	N						X		150			X
Dedicated Media/Tech/Distance Learning Lab	1	1200	1,200			1	1,200	N						X		1,200			X
Electronic Device Storage	1	200	200			1	200	N						X		200			X
DINING AND FOOD SERVICE:																			
Multi-Purpose/Cafeteria Commons	1	6000	6000			1	11,825	N				X	4,425			4,425			X

Total Standard Gross: Major 12,840
 Moderate 5,338
 Minor 2,450
230,538

Total Standard Gross less PE Gym spaces: 167,240
6,298
238,914

Less Net Space to be Repurposed: 7,788
 Total Net Sq Ft: **80,428**

Efficiency Factor: **0.70**
 Total Addition Gross: **115,723**

Total Gross Sq Ft: 272,175
 Target Sq Ft: 272,490
 Δ (313)

Less Net Space to be Repurposed: 6,725
 Total Net Sq Ft: **535**

Efficiency Factor: **0.700**
 Total Addition Gross: **764**

Total Gross Sq Ft: 764
 Target Sq Ft: 81,890
 Δ (81,126)

Program	Budget	Program Notes
Total New Construction (Gross)	115,700	117,000
Major Renovation (Net)	12,840	12,000
Moderate Renovation (Net)	5,338	37,390
Space Available to Repurpose	2,450	
Target Enrollment	1200	192 Sq Ft per Student (less field house)

PROJECT BUDGET 9.1

Lanphier High School and Field House Springfield School District 186

October 13, 2020

CONSTRUCTION BUDGET				\$56,892,591
SCOPE				\$50,100,250
Demolition	118200 sf	14.25	\$1,684,350	
Site Work - Parking	100000 sf	14	\$1,400,000	
Site Work - Allowance			\$1,000,000	
Addition	94500 sf	255	\$24,097,500	
Addition - Field House	42000 sf	220	\$9,240,000	
Remodeling - Major	31800 sf	180	\$5,724,000	
Remodeling - Medium	28500 sf	140	\$3,990,000	
Remodeling - Minor	25700 sf	92	\$2,364,400	
Athletic Field			\$600,000	
CONTINGENCY				\$6,792,341
Design Contingency	5%		\$2,505,013	
Bidding Contingency	5%		\$2,630,263	
Construction Contingency	3%		\$1,657,066	
SOFT COSTS				\$7,079,855
SITE ACQUISITION AND EVALUATION				\$35,000
Land Purchase				
Topographical Survey			\$20,000	
Geotechnical Survey			\$15,000	
FEES AND SERVICES				\$4,044,855
Architect/ Engineering Design Fees	5.90%		\$3,549,855	
Interior Design Fees			\$100,000	
Food Service Consultant			\$20,000	
Theater, Lighting & Rigging Design Consultant			\$100,000	
Acoustical/Audio/Video Design Consultant			\$100,000	
Technology Design Services			\$75,000	
Reimbursable Expenses			\$100,000	
OTHER COSTS				\$3,000,000
Technology, Telecom, Security			\$750,000	
Furnishings, Fixtures, Equipment			\$1,000,000	
Abatement			\$1,250,000	

PROJECT BUDGET

\$63,972,446

PROJECT BUDGET - Escalated

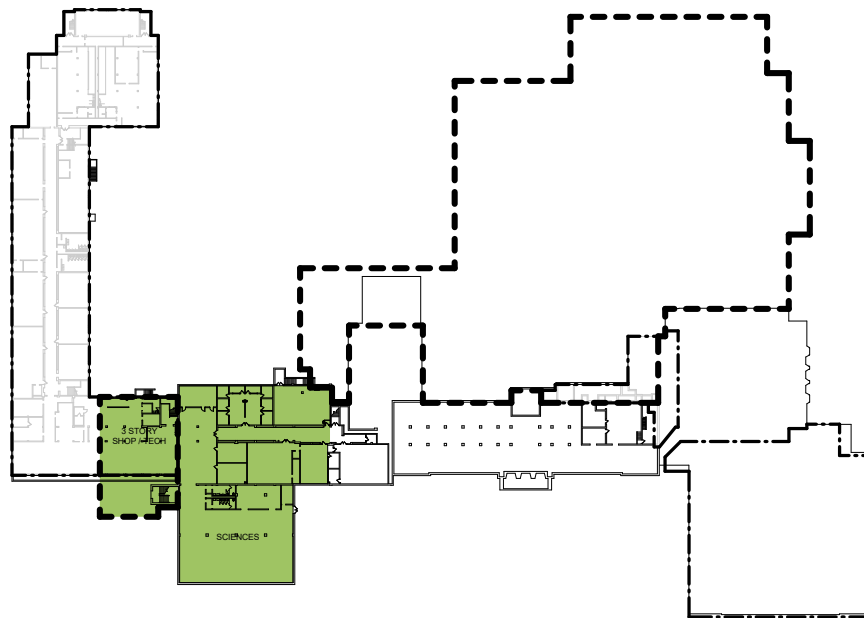
3%

2021

\$65,891,620

(REVISED OCTOBER 2020)

DESIGN DIAGRAM 9.1

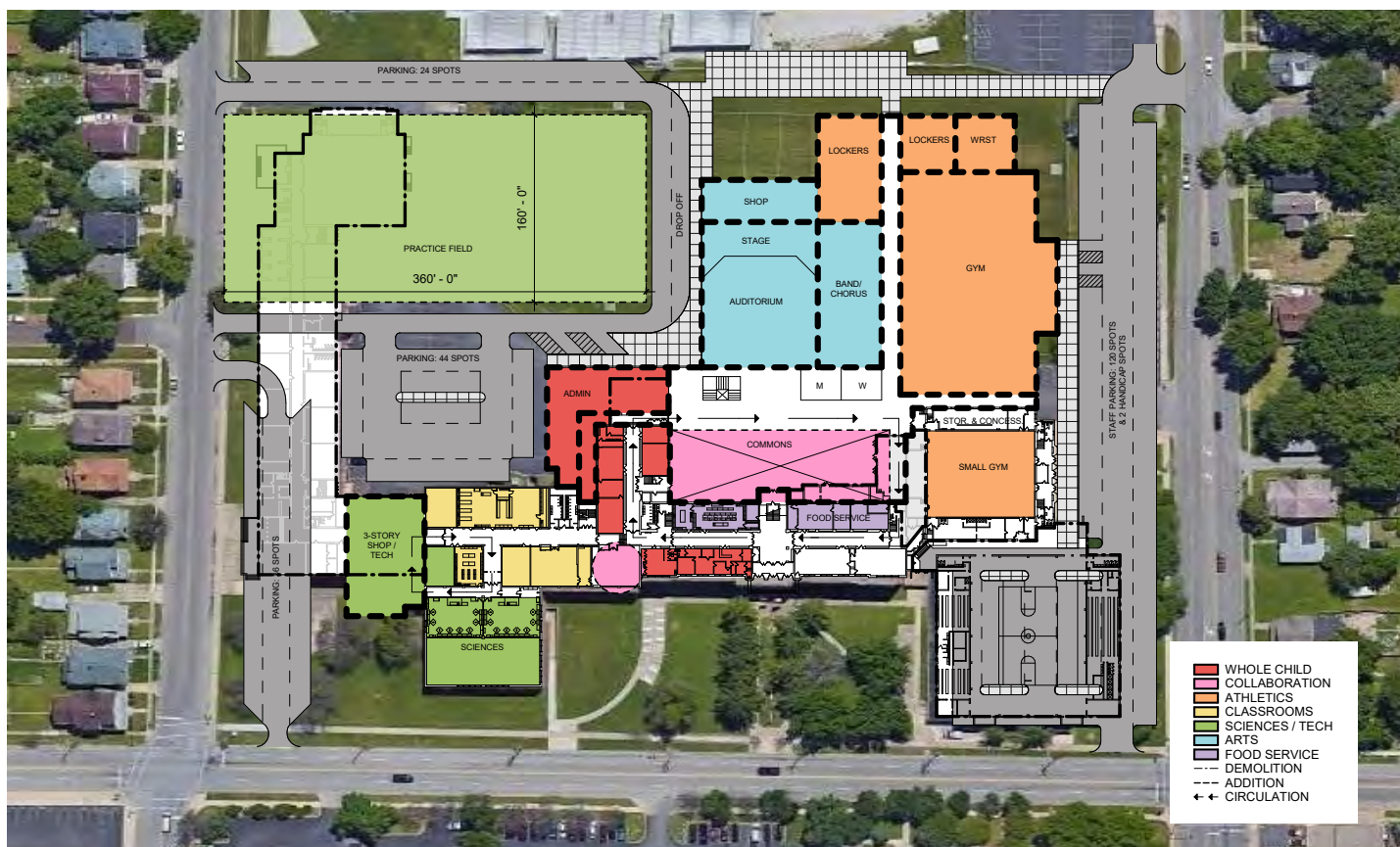


BASEMENT FLOOR PLAN

- WHOLE CHILD
- COLLABORATION
- ATHLETICS
- CLASSROOMS
- SCIENCES / TECH
- ARTS
- FOOD SERVICE
- DEMOLITION
- ADDITION
- CIRCULATION



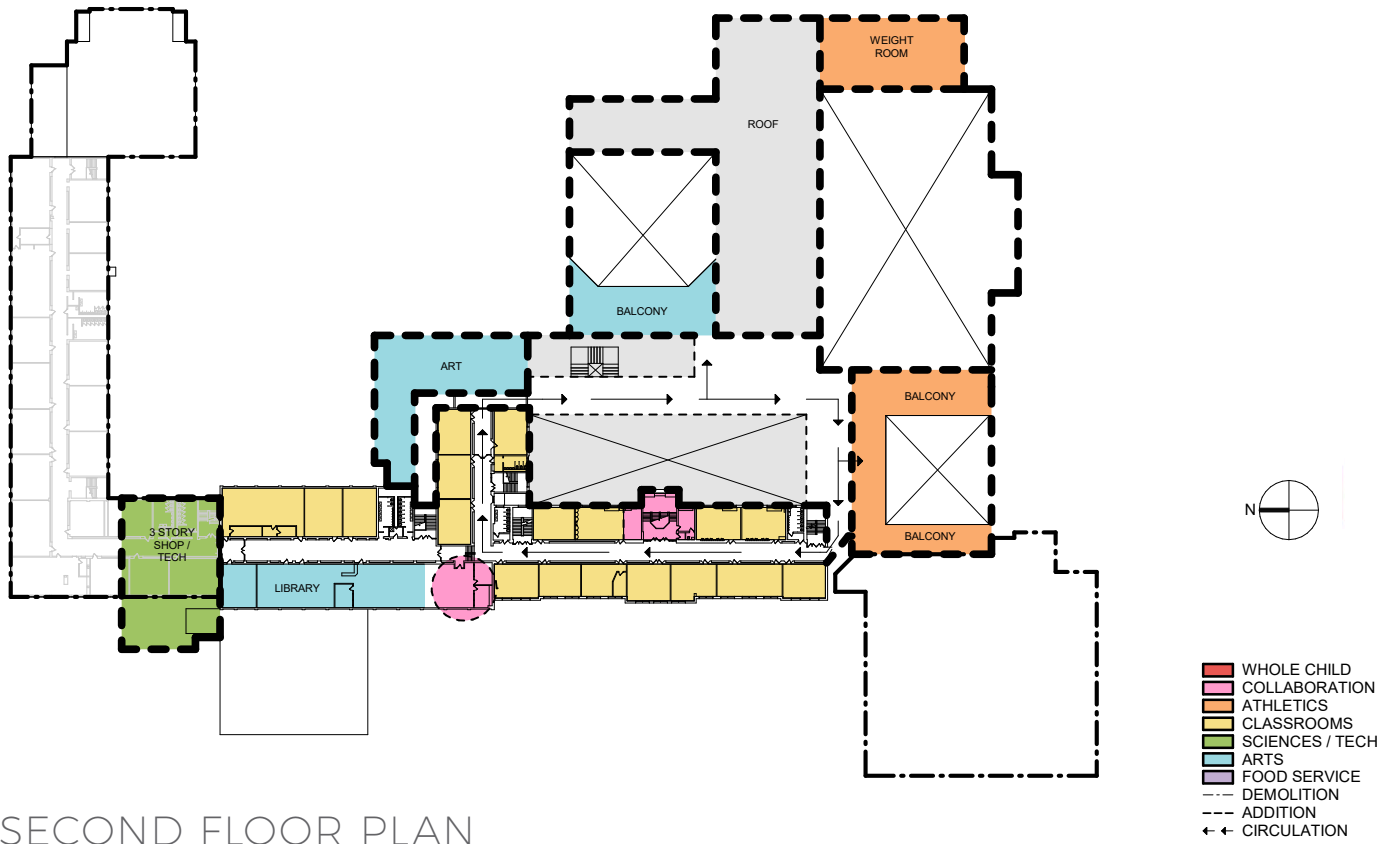
DESIGN DIAGRAM 9.1



FIRST FLOOR PLAN

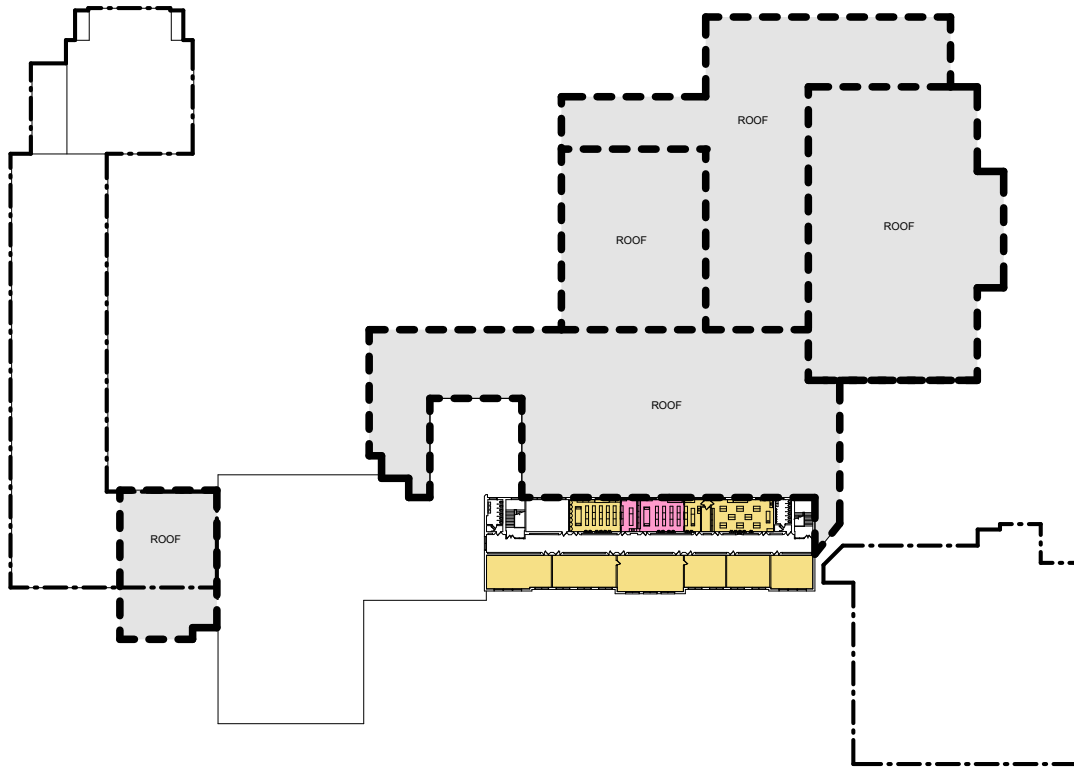


DESIGN DIAGRAM 9.1



SECOND FLOOR PLAN

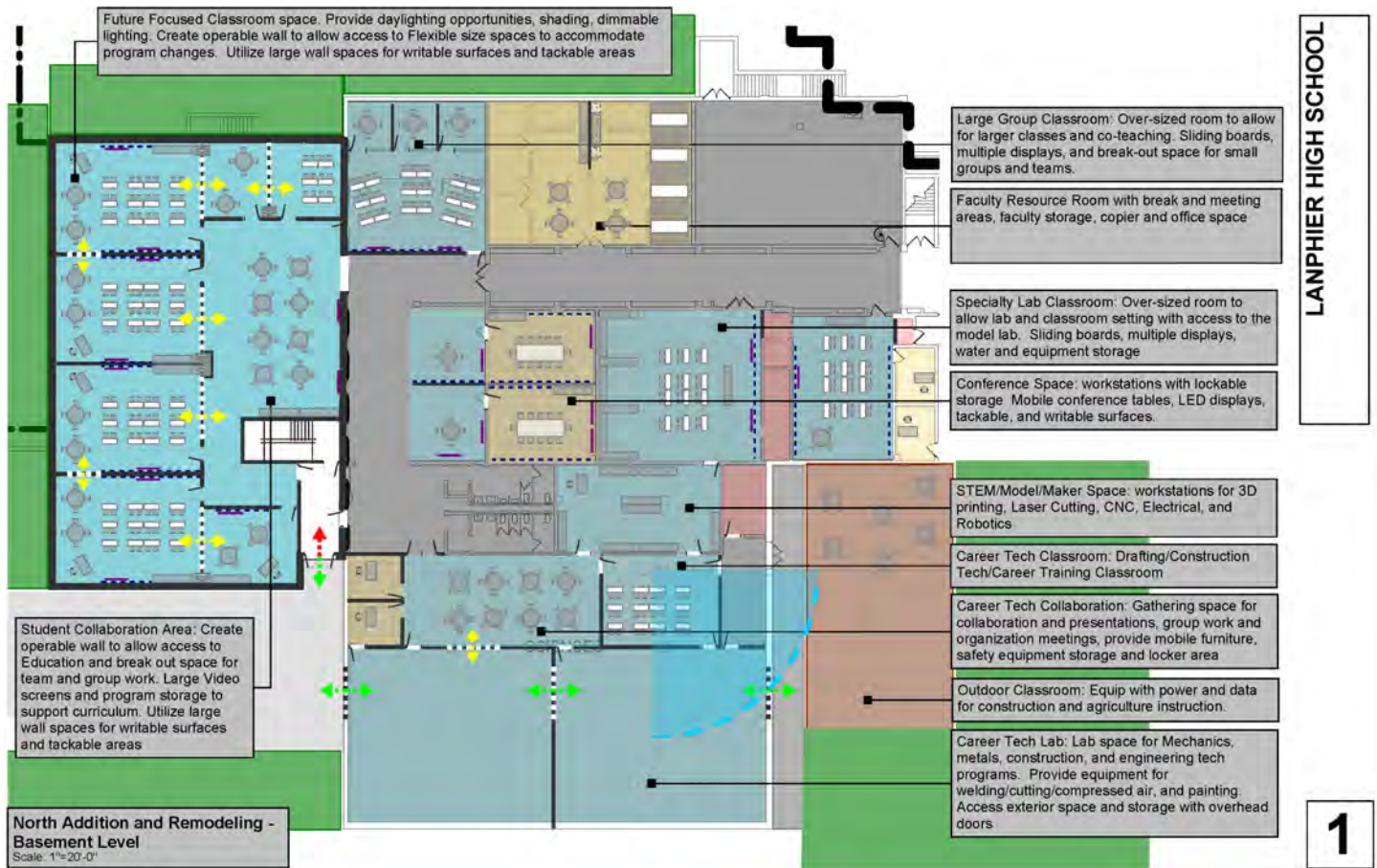
DESIGN DIAGRAM 9.1



THIRD FLOOR PLAN

- WHOLE CHILD
- COLLABORATION
- ATHLETICS
- CLASSROOMS
- SCIENCES / TECH
- ARTS
- FOOD SERVICE
- DEMOLITION
- ADDITION
- ← ← CIRCULATION

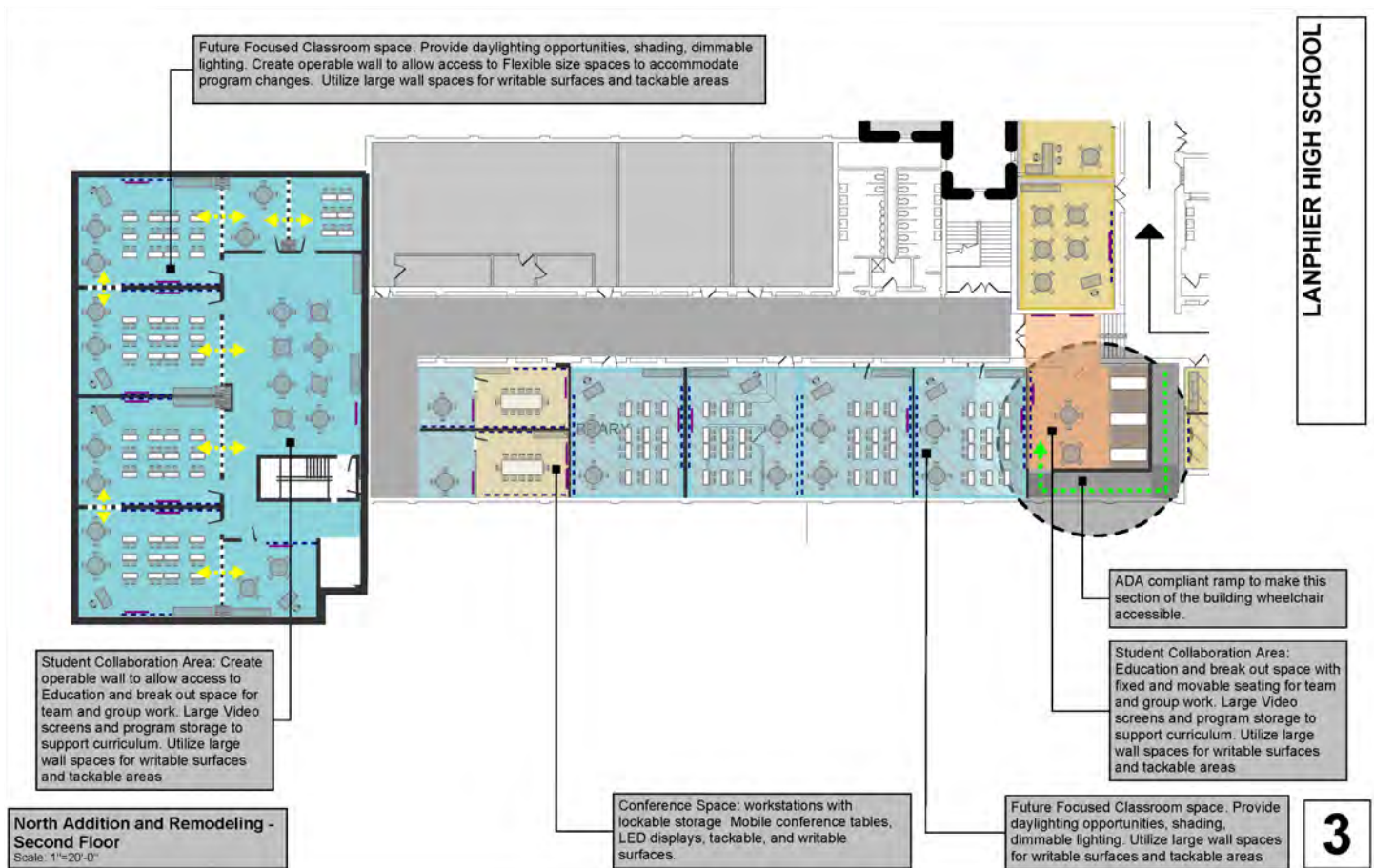
SCOPE DIAGRAM 9.1



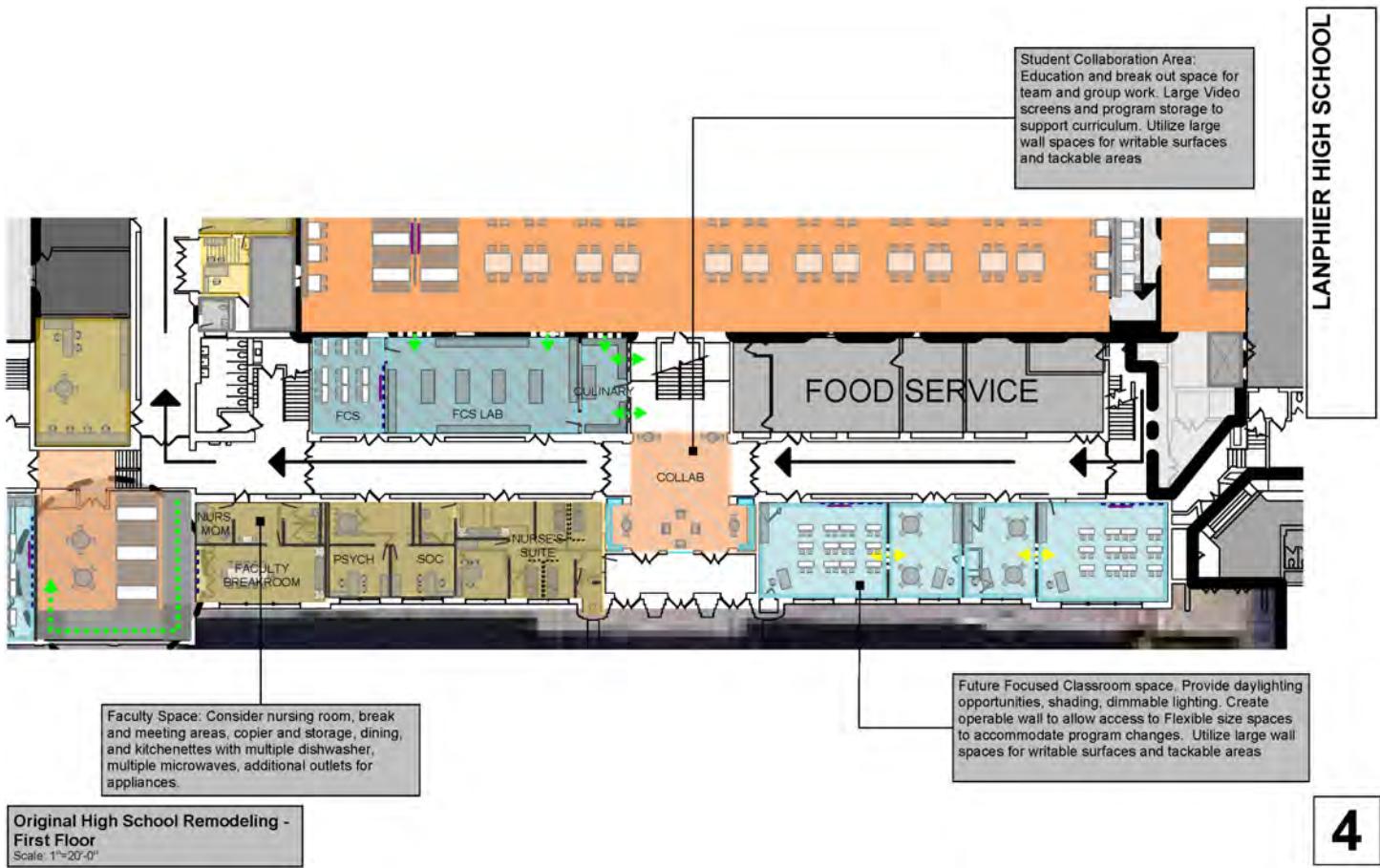
SCOPE DIAGRAM 9.1



SCOPE DIAGRAM 9.1

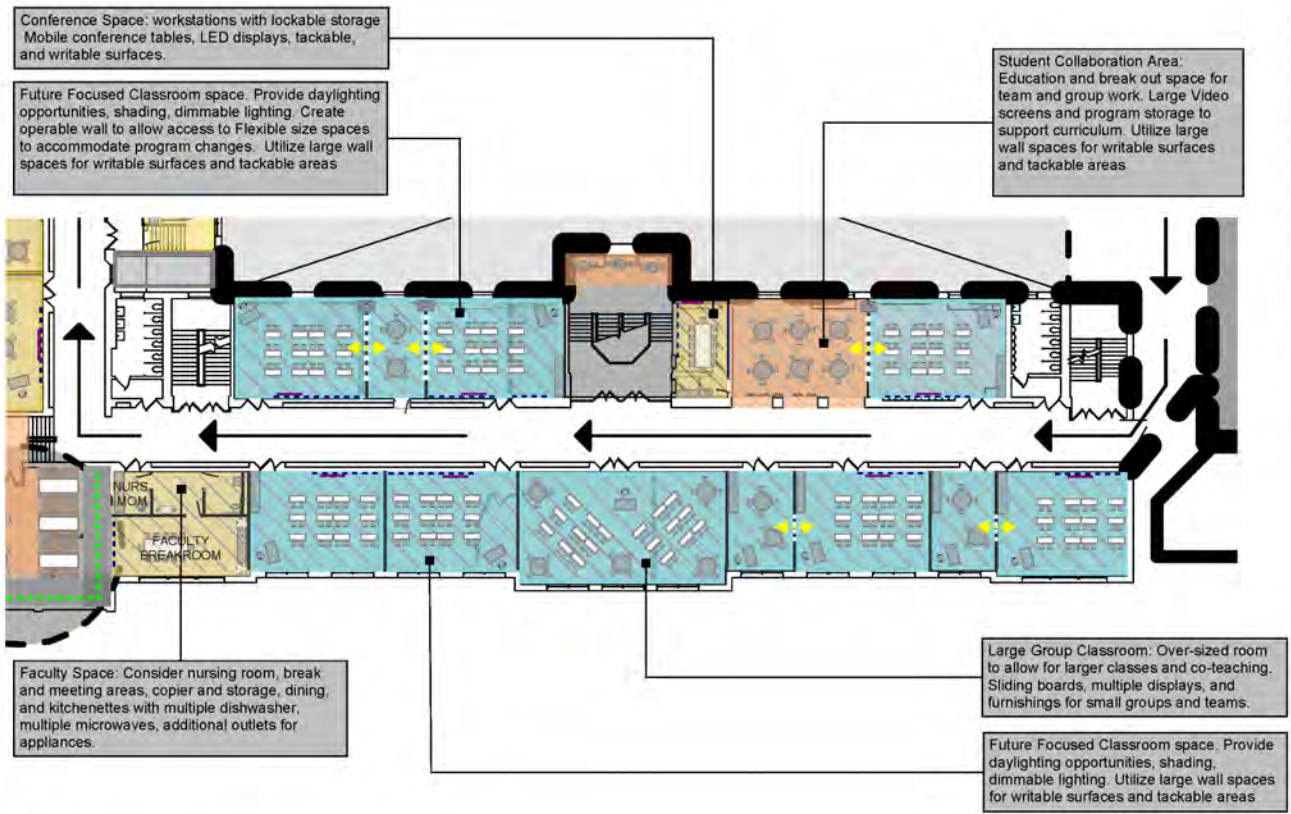


SCOPE DIAGRAM 9.1



SCOPE DIAGRAM 9.1

LANPHIER HIGH SCHOOL

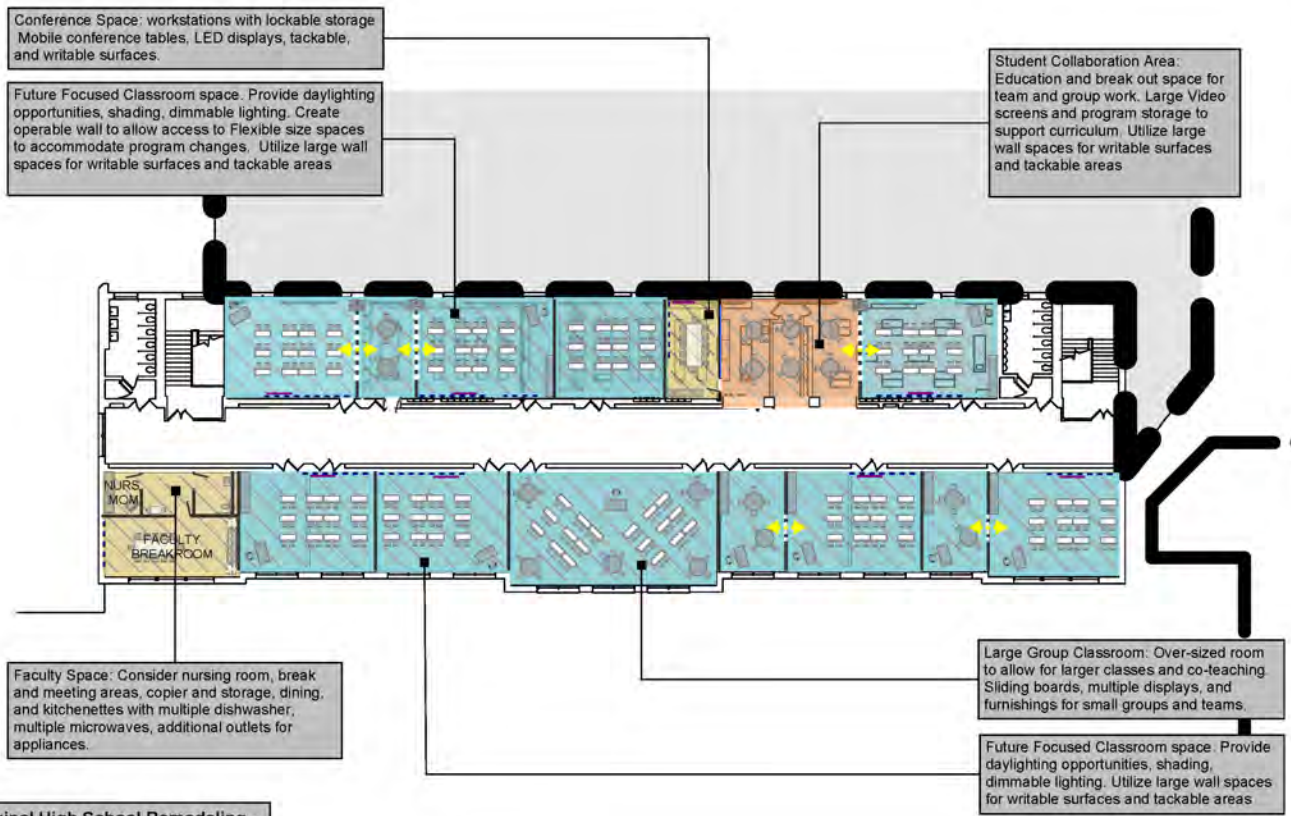


Original High School Remodeling - Second Floor
Scale: 1"=20'-0"

5

SCOPE DIAGRAM 9.1

LANPHIER HIGH SCHOOL



Original High School Remodeling - Third Floor
Scale: 1"=20'-0"

6

SCOPE DIAGRAM 9.1



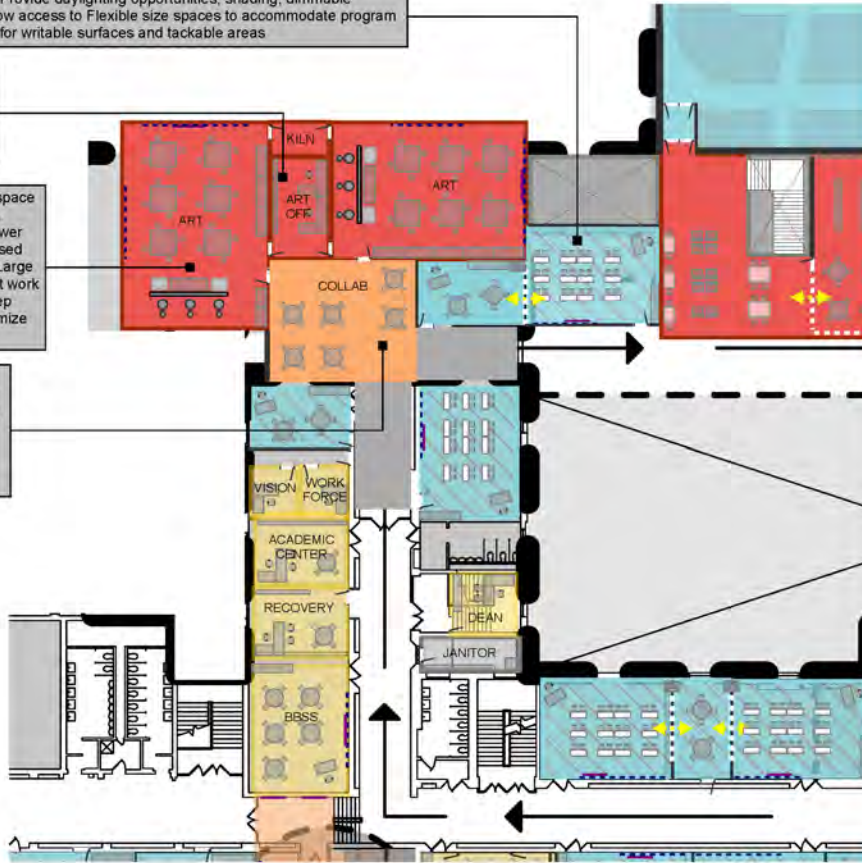
SCOPE DIAGRAM 9.1

Future Focused Classroom space. Provide daylighting opportunities, shading, dimmable lighting. Create operable wall to allow access to Flexible size spaces to accommodate program changes. Utilize large wall spaces for writable surfaces and tackable areas

Office Space: workstations with lockable storage, filing, work surface and guest seating. Small conference table, LED display, tackable, and writable surfaces.

Art/Maker space: Consider display space to collaboration space, open ceiling, flexible lighting. Ceiling mounted power cord reels, and neutral colors. Exposed sealed or polished concrete floors. Large walls should be available for student work display and writable surfaces. 1 Deep utility sinks and open storage. Maximize controlled daylight.

Student Collaboration Area: Education and break out space for team and group work. Large Video screens and program storage to support curriculum. Utilize large wall spaces for writable surfaces and tackable areas



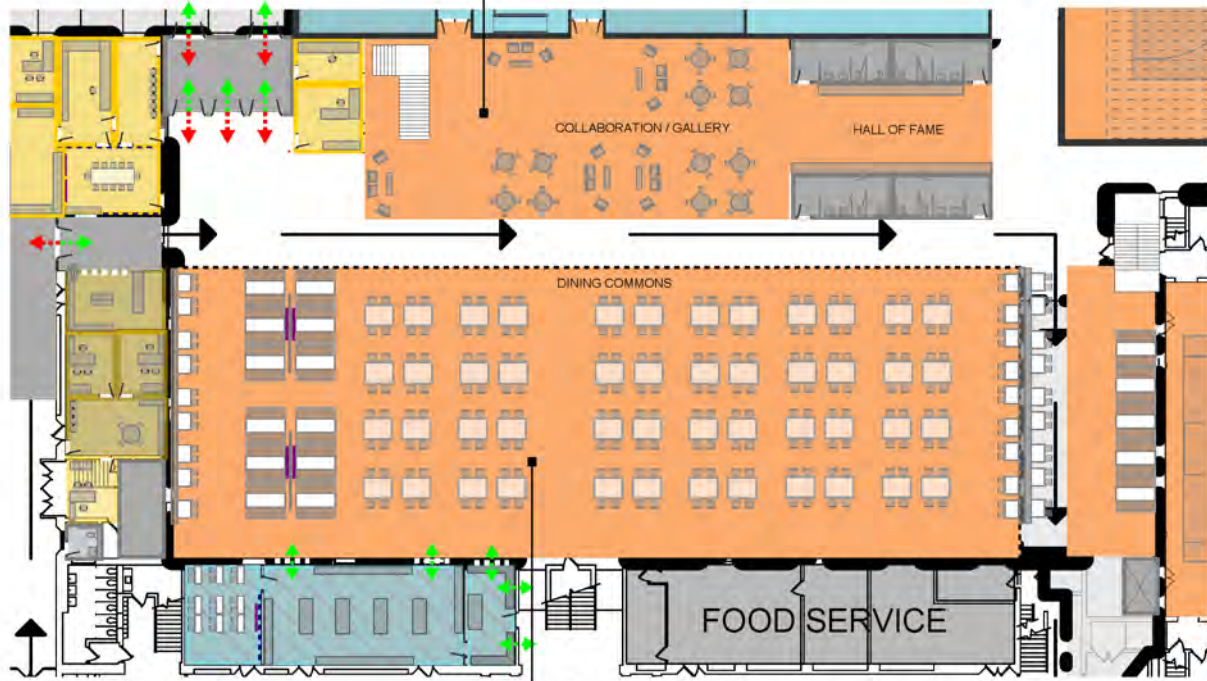
Arts Addition - Second Floor
Scale: 1"=20'-0"

LANPHIER HIGH SCHOOL

8

SCOPE DIAGRAM 9.1

Student Collaboration Area: Education and break out space for team and group work. Large Video screens and program storage to support curriculum. Utilize large wall spaces for writable surfaces and tackable areas



LANPHIER HIGH SCHOOL

Commons Addition - First Floor
Scale: 1"=20'-0"

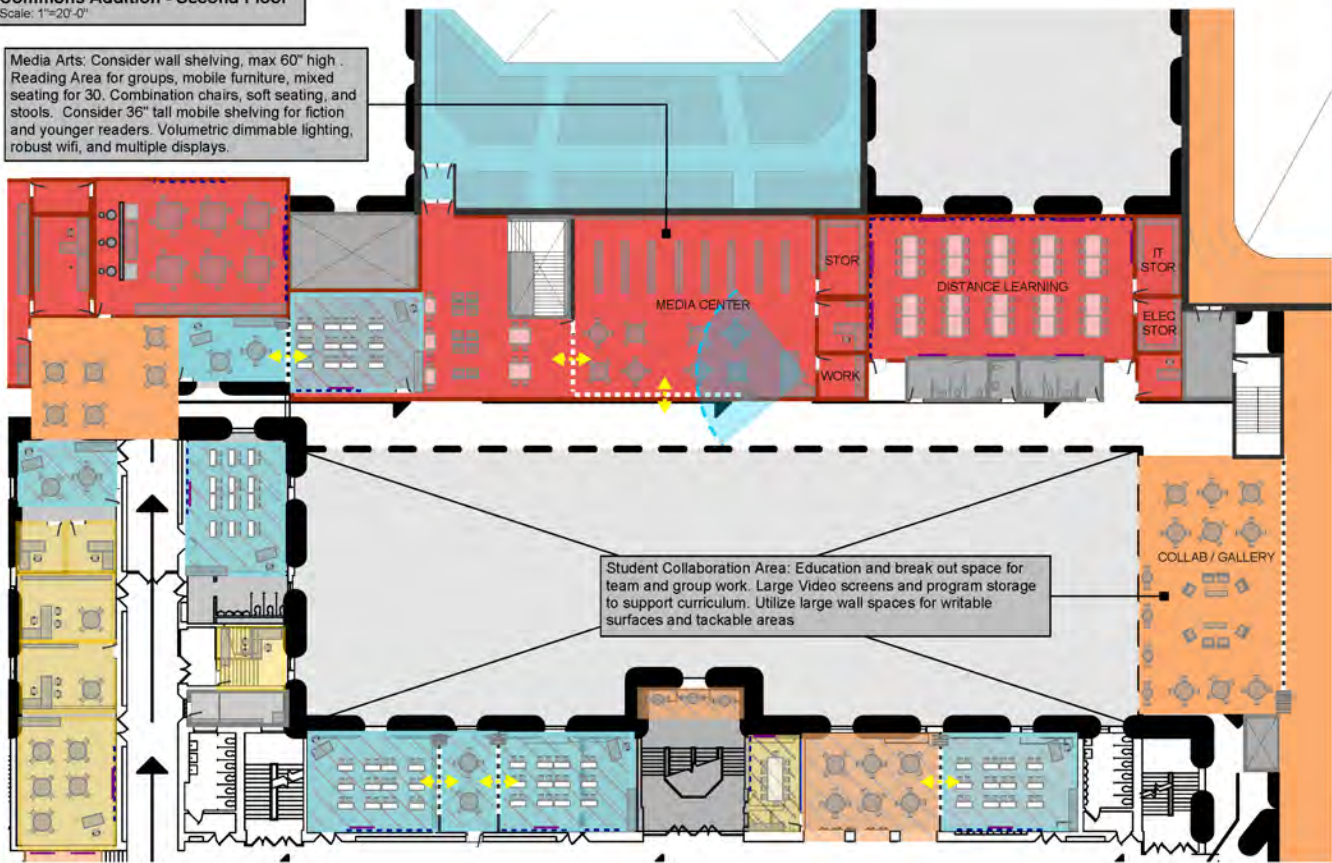
Dining commons: Remodel existing dining space to provide a less institution seating plan. Use ceiling clouds or changes to create zones, use booths and banquets to create more social zones that can be used for break-out and study spaces. Utilize color, environmental graphics, and engaging materials to create a cohesive branding of spaces. Infuse the space with lighting and technology make it a place students feel comfortable and engaged. Sound absorption and reflection should be design to limit noise levels reduce stress

9

SCOPE DIAGRAM 9.1

Commons Addition - Second Floor
Scale: 1"=20'-0"

Media Arts: Consider wall shelving, max 60" high. Reading Area for groups, mobile furniture, mixed seating for 30. Combination chairs, soft seating, and stools. Consider 36" tall mobile shelving for fiction and younger readers. Volumetric dimmable lighting, robust wifi, and multiple displays.



LANPHIER HIGH SCHOOL

10

SCOPE DIAGRAM 9.1

Locker Rooms: Provide male and female locker room space that can be separated to support up to 4 teams simultaneously. Provide student locker storage for the entire student population and athletes for the team sports each season. Include offices for coaches, athletic storage, training room space, uniform storage, and toilet and shower facilities to meet the program needs and code requirements.

Back Stage Area: Male and female dressing room, make-up area, scene shop, costume and prop storage

Wrestling Room: Provide space for 40' wide mats with up to 9 practice circles. Provide wall pads on all exposed corners to 5' high. Provide space for portable fitness equipment, benches, and training equipment.

Band and Chorus Suite: Consider acoustical treatment of ceilings and wall sound treatment. Provide a sound lock into band and chorus rooms. Provide storage for musical instruments, music, and uniforms. Seal all floor and wall penetrations to prevent sound leaks. Provide offices, practice rooms, and commons space for student to interact.

Gymnasium: Provide space for 3 IHSA regulation basketball courts with retractable goals and volleyball courts with recessed sleeves. Provide retractable divider curtains between courts, overhead batting cages, retractable bleacher seating, and scoreboards. Include equipment storage.

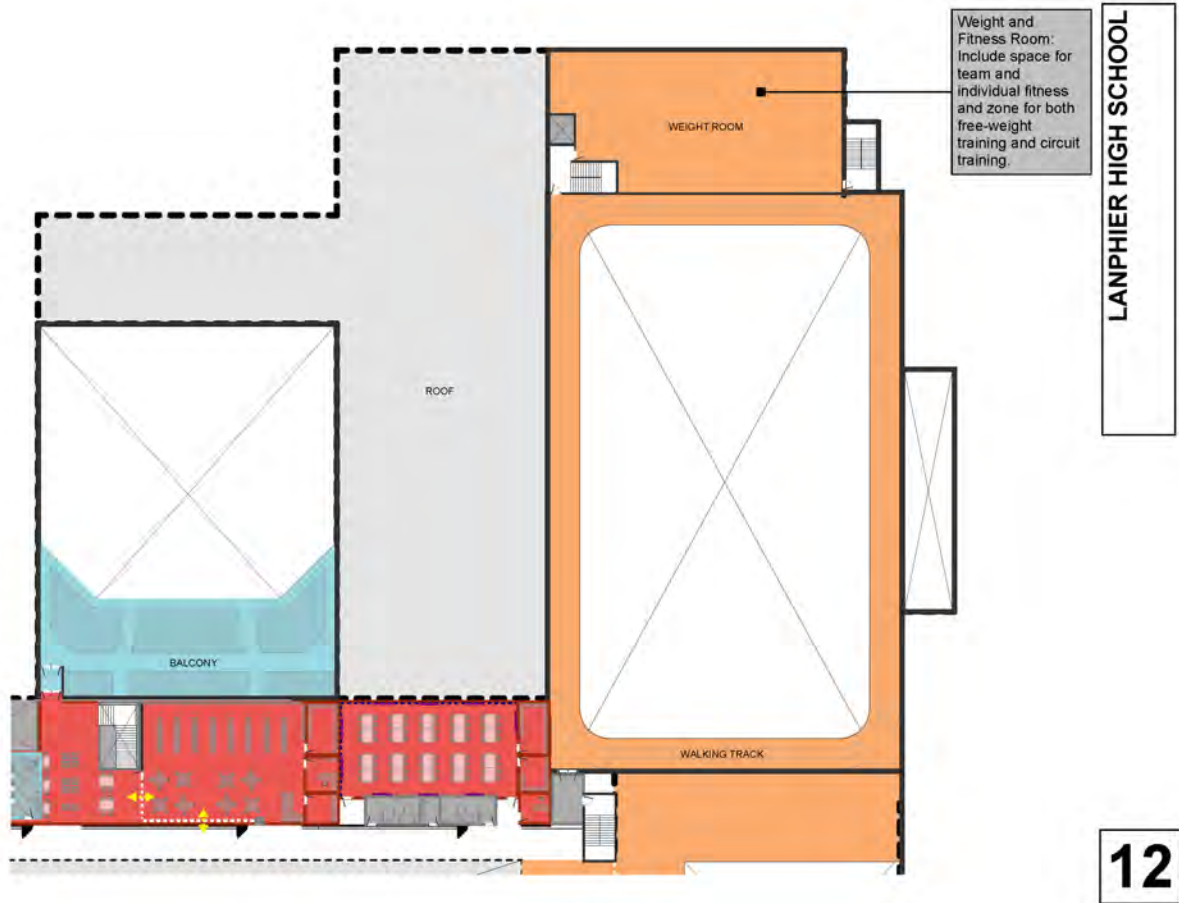
Auditorium and Gymnasium Addition - First Floor
Scale: 1"=30'-0"



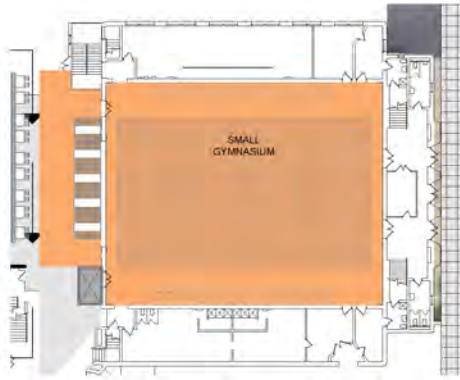
LANPHIER HIGH SCHOOL

11

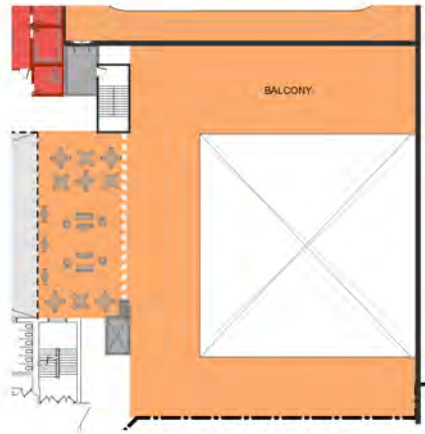
SCOPE DIAGRAM 9.1



SCOPE DIAGRAM 9.1



Small Gymnasium Remodeling - First Floor
Scale: 1"=30'-0"



Small Gymnasium Remodeling - Second Floor
Scale: 1"=30'-0"

LANPHIER HIGH SCHOOL

13

HPD PLAN 9.1

History of Lanphier High School

Lanphier High School (LHS) became Springfield's third public high school when it opened midyear on Monday, January 25, 1937. The building, costing \$300,000, is the principal project of the board's pretentious expansion program, now virtually completed.¹ Months of debate and discussion as well as some heated school board meetings led to the construction of LHS. As Springfield grew especially on the north end, it became clear a third high school would be an appropriate solution to educate the growing student body. What was to be called Lanphier High School had its beginning at the Converse School building (no longer in existence) in the school year 1930-1931, when the school board added ninth grade to Converse to alleviate the flood of North-End students into Springfield High and Feitshans High. Planning on yet another high school, the school board added tenth grade to Converse in 1934, then eleventh and twelfth grades the following two years, respectively.²

Much debate about site location for the new high school preceded its ultimate construction. Post the Great Depression the school district planned to embark on a building program that would



Postcard image circa 1913 of Reservoir Park found for sale on HipPostcard.

include a new high school as well as be 45% funded by the Federal government through the PWA (Public Works Administration) which was originally called the Federal Emergency

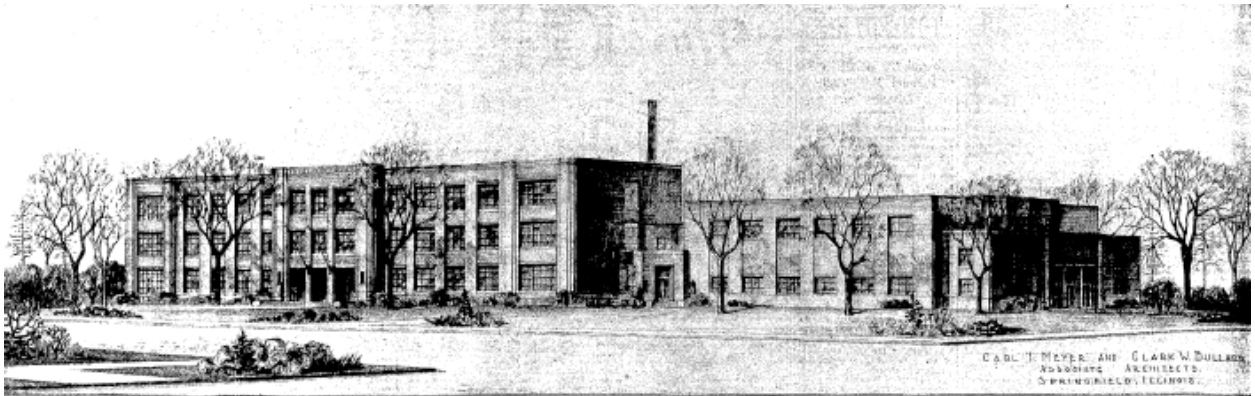
¹ "Lanphier High School Opening Definitely Set For January 25: Most If Not All Of Equipment Will Be Installed In Time; Board Has 6-Hour Session.", *Illinois State Journal*, Page 1, Tuesday, December 15, 1936.

² Mitchell, Kenneth C. *North-End Pride: The Story of Lanphier High School Its People and Community*. Springfield: Seagull Press Publishing Company, 2014, p. 69.

Administration of Public Works. The site ultimately chosen was that of Reservoir Park which contained the city's water supply pre Lake Springfield. It is not clear when the park's name was changed or if it was done officially, but the local newspapers by 1935 referred to the park as Lanphier Park. Ultimately the park district who owned the land gave it to the school district. A high school for Springfield's northeast district, envisioned for years, was brought closer to realization yesterday when members of the pleasure driveway and park board expressed willingness to turn over Lanphier park to the city, to be used as a site for such an institution. Almost simultaneously the board of education announced that at a meeting tomorrow night, it will consider, among other things, plans for a \$250,000 high school for that section of the city.³

Architects of the city yesterday were assigned to draw plans for the \$727,000 school building program, on the assumption that the projects will be completed. Following are the assignments: ...Clark W. Bullard and Carl T. Meyer – New high school in Lanphier park.⁴ Springfield's proposed new high school for the northeast section of the city will be a three-story brick and stone building having space equivalent to thirty classrooms, according to specifications being drawn by Architects Carl T. Meyer and Clark W. Bullard.⁵

The board of education was moving forward with plans for LHS even before acquisition of the land. The board was preparing yesterday to acquire Lanphier park on which to build a new high school following Tuesday's election which resulted in a two to one majority for a \$727,000 school expansion program, including the Lanphier High school.⁶



Rendering by Carl T. Meyer and Clark W. Bullard Associate Architects Springfield, Illinois. *The Illinois State Journal*, Page 4, Sunday, December 22, 1935.

The original design intent was for LHS to have an auditorium; however, it is was not constructed due to budget and changes to the gymnasium to add a stage. Bids on the construction of the school will be opened Jan. 3 by the board. The building will be completed by the spring of 1937 and the first class will be graduated in June of that year, it is anticipated. The school will be built

³ "Lanphier Park Offered School Board For New High Building: Revised Improvement Plan, Cut To \$629,000, Will Be Considered At Session Tomorrow Night.", *Illinois State Journal*, Page 1, Sunday, October 13, 1935.

⁴ "School Board Asks For Bids On Bond Issue: Appoints Architects To Draw Plans For \$727,000 Building Program.", *Illinois State Journal*, Page 1, Thursday, October 17, 1935.

⁵ "Proposed New High To Be Of Three Stories: Thirty Class Rooms, Large Auditorium And Gym Are Planned.", *Illinois State Journal*, Page 4-Part 2(p. 34), Sunday, October 27, 1935.

⁶ "Says Report Of Park Row Is Ridiculous: Coe, Head Of School Board, Declares Site Would Be Welcome Gift.", *Illinois State Journal*, Page 1, Thursday, November 21, 1935.

HPD PLAN 9.1

on the southwest corner of the park, at Eleventh street and North Grand avenue. The main entrance will be on Eleventh street. A wing of the building with an entrance on North Grand avenue, seen at the right (above), is the gymnasium, which will accommodate 1,000 students in physical education classes. The gymnasium will seat 2,000 spectators. The auditorium, seating 600 students, extends back of the main building. Entrance to the auditorium is gained by going in the Eleventh street door, up a flight of stairs and across a hall. The auditorium will be equipped with a stage and dressing rooms and is expected to be utilized not only for student assemblies but for literary, dramatic and theatrical presentations. On the ground floor beneath the auditorium will be a cafeteria, seating 300 students. The room also will be used as a study hall.⁷

The board last night awarded the contract for construction of the Lanphier high school to the Alzina Construction company of Springfield for \$243,789. This includes only the construction of the main building, or instructional unit. The board members held other bids in abeyance for the auditorium and gymnasium units, indicating they might attempt to affect a combination of the two units into one unit and save considerable expense. The low bids of these units, also submitted by the Alizina company, were: Auditorium, \$73,477; and gymnasium, \$108,754.⁸



Lanphier High School construction, April 1, 1936. Photo courtesy Sangamon Valley Collection Lincoln Library.

⁷ "Drawing Shows How High School At Lanphier Park Will Look When Completed", *Illinois State Journal*, Page 4-Part 1, Sunday, December 22, 1935.

⁸ "School Board Boosts Budget – continued from Page 1", *Illinois State Register*, Page 3, Friday, January 3, 1936.

The School board today awarded contracts for construction of a complete high school at Lanphier park, including an auditorium-gymnasium unit, at a total cost of \$305,237. The contract was in two units, academic and auditorium-gymnasium, both awarded to the Alzina Construction company. The board had previously awarded the academic unit to Alzina for \$243,789, but made some changes in the plans for plumbing, heating, and other minor features, cutting this price to \$231,147. Carl Meyer, architect, presented revised plans for an auditorium-gymnasium, eliminating some features and cutting the seating capacity to about 1,500. This bid was approved at \$74,100.⁹



Robert C. Lanphier, date and artist unknown, Sangamon County Historic Society, "Robert Carr Lanphier meets Thomas Edison", www.sangamoncountyhistory.org, October 21, 2013.

Lanphier High school will be the name of Springfield's new \$300,000 school building to be built this year at Eleventh street and North Grand avenue, as a part of the board of education's \$840,000 building program. It will be so designated in honor of Robert C. Lanphier, president of the Sangamo Electric Co., the board decided last night at its February meeting. It adopted unanimously a resolution by Ward M. Johnson to that affect. The resolution asked that the school be thus named because "Robert C. Lanphier, a lifelong citizen of Springfield, Sangamon county, Illinois, has over a long period of time continuously contributed to the welfare of the citizens and residents of said city of Springfield, organizing and assisting in the creation and maintenance of various agencies for the general welfare, giving generously thereto personal labor and financial assistance, and moreover, has supported and assisted the schools of Springfield and the opportunities of its people to obtain education and learning and the benefits thereof for themselves and their children." The resolution also cited that the property on which the school will be erected was named R. C. Lanphier park in honor of Mr. Lanphier.¹⁰

First steps for the construction of Lanphier high school, the largest item in the school building program, were under way today after the setting out of stakes at the Eleventh street and North Grand avenue corner of Lanphier park. The building is to cost \$305,247. The school board property and finance committees met yesterday with Carl Meyer, architect, and city officials to determine the location of the building. It was decided to set the building 140 feet east of Eleventh street despite presence of a water main which will run beneath the gymnasium of the building. School officials decided that since the main had not broken but once in ten years, that they would "take a chance" on this location.¹¹

⁹ "Board Awards Contracts For Lanphier High School With Auditorium and 'Gym'", *Illinois State Register*, Page 1, Saturday, February 1, 1936.

¹⁰ "Lanphier' Name Given By Board To High School: Robert C. Lanphier Given Honor For Service To Community", *Illinois State Journal*, Page 4, Tuesday, February 11, 1936.

¹¹ "Stakes Set Out for Lanphier Program", *Illinois State Register*, Page 7, Saturday, March 7, 1936.

HPD PLAN 9.1

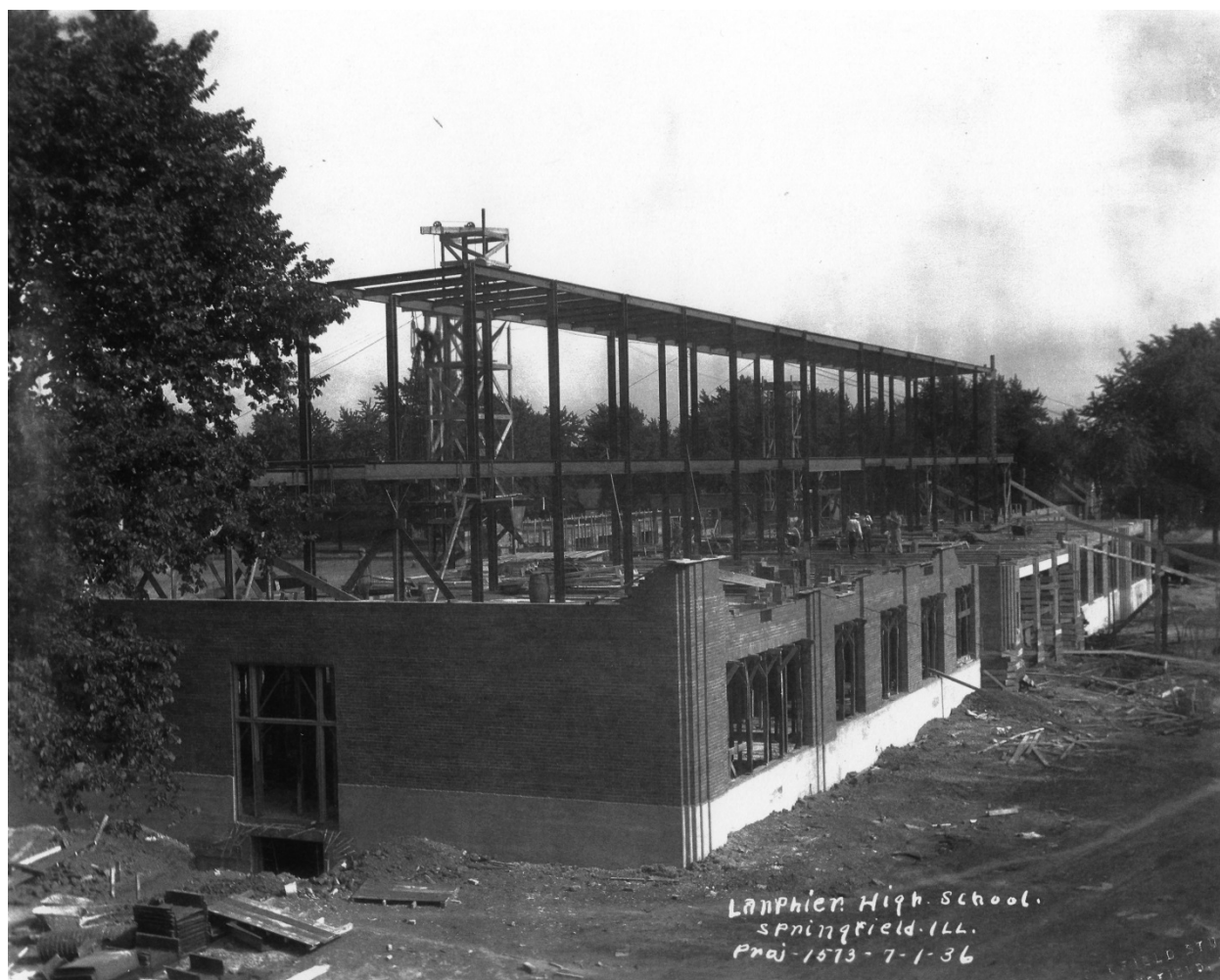


Lanphier High School construction, May 1, 1936. Photo courtesy Sangamon Valley Collection Lincoln Library.



Lanphier High School construction, June 1, 1936. Photo courtesy Sangamon Valley Collection Lincoln Library.

HPD PLAN 9.1



Lanphier High School construction, July 1, 1936. Photo courtesy Sangamon Valley Collection Lincoln Library.

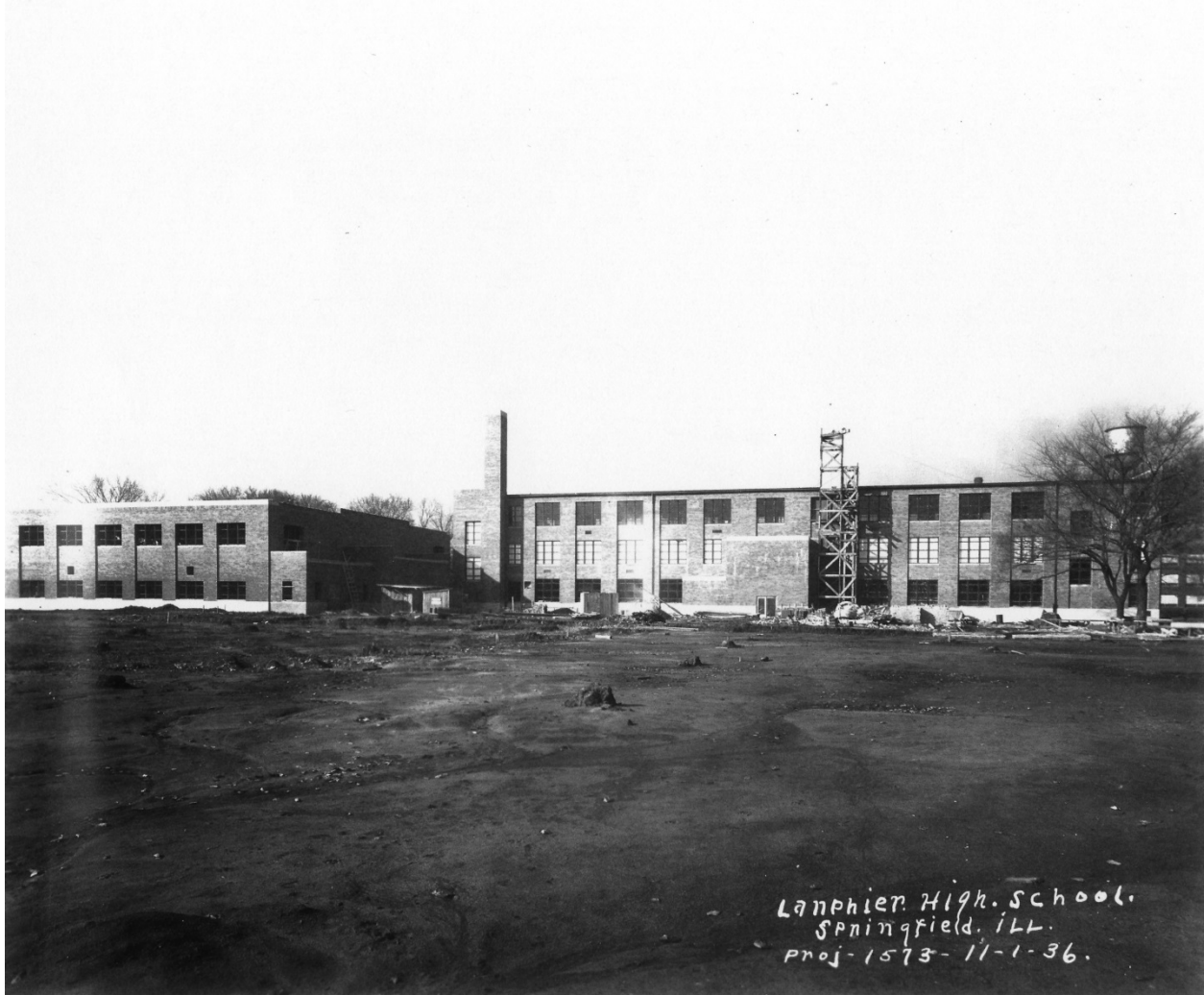


Lanphier High School construction, August 1, 1936. Photo courtesy Sangamon Valley Collection Lincoln Library.



Lanphier High School construction, September 1 and October 1, 1936. Photos courtesy Sangamon Valley Collection Lincoln Library.

HPD PLAN 9.1



Lanphier High School construction, November 1, 1936. Photo courtesy Sangamon Valley Collection Lincoln Library.

The doors of Lanphier High school, handsome \$300,000 structure on Springfield's north side, will fling open tomorrow for more than seven hundred boys and girls. Marking completion of the board of education's pretentious building program, the new school will represent the last word in secondary education facilities. It is located at Eleventh street and North Grand avenue. Everything is in the readiness for the beginning of classes at 8:30 a.m. tomorrow, although some of the equipment will not be delivered until later in the week. This will not interfere with operation of the school, however, George E. Stickney, principal, declared. Tomorrow night a gala celebration will be staged in the new gymnasium, featuring a basketball game between Lanphier and Pleasant Plains.¹²

As an innovation among schools in this vicinity, Lanphier High school will be equipped with a loud speaker system, ready for operation tomorrow. From the principal's office communication can be had with any room in the building separately or with all the rooms at once. Any room can reply

¹² "New Lanphier High, Latest In School Structures, Will Open Doors Tomorrow To 717 Pupils", *Illinois State Journal*, Page 12-Part 2 (p. 28), Sunday, January 24, 1937.

to the office in turn. This apparatus is the gift of Robert C. Lanphier, president of Sangamo Electric Co., for whom the school was named.¹³

A total of 717 pupils is expected to attend classes tomorrow, according to the advance enrollment. Ninety-five of these will be incoming freshmen, Mr. Stickney said. With the opening of Lanphier, Converse High school will again become a grade school. The Converse building, at Eighth street and Converse avenue, was transformed into a high school several years ago when the need for a north side high school became pressing.¹⁴



Interestingly a competing paper had the total student body count on the first day as a completely different number. Students from Converse high school and the graduating classes of various Springfield grade schools will make Lanphier high their educational “stamping grounds,” starting Monday when the \$320,000 building is thrown open for the first time. Approximately 600 students are enrolled. Dedicatory exercises will not be held for several weeks, George Stickney, principal, said Saturday. The board of education has decided to wait until the school is completely equipped. Most of the equipment will be new, Stickney said. The only pieces moved from Converse high are the laboratory tables from the science classes and the typewriters and typing tables.¹⁵

Main entry as illustrated in 1937 Lan-Hi yearbook.

¹³ Ibid.

¹⁴ Ibid.

¹⁵ “Lanphier High School to Open Monday With 600 Students Enrolled”, *Illinois State Register*, Page 2, Sunday, January 24, 1937.

HPD PLAN 9.1



Northwest corner of original school as illustrated in 1938 Lan-Hi yearbook.

On April 1, 1937, the official dedication was held in the gymnasium packed with 2,000 parents, neighbors and dignitaries. Mr. Lanphier himself proudly whispered some brief remarks of appreciation and then was presented with a large framed photograph of his likeness which was placed above the front entrance where it is still today. (He passed away two years after the school that bears his name was dedicated.)¹⁶

A history of LHS has to include some mention of its demographic. Probably more than any other high school in Springfield public or private, Lanphier is a true reflection of the primarily working class neighborhoods that feed its halls. The north-end of Springfield has a palpable pride that grew out of the cultural traditions of its residents and that unique pride-of-place continues to be handed down to succeeding generations.

North Enders have always been hard-working, patriotic, fun loving, and fiercely devoted to their families. Here's how a newspaper characterized them: "North enders" describes a community of individuals bonded together by an awareness of their past and by a sense of belonging. They always have a solid sense of who they are and why they are here.¹⁷

¹⁶ Mitchell, Kenneth C. *North-End Pride: The Story of Lanphier High School Its People and Community*. Springfield: Seagull Press Publishing Company, 2014, p. 136.

¹⁷ *Ibid*, p. 35.



Northwest corner of original school with first addition as illustrated in 1940 Lan-Hi yearbook (bottom) and courtesy Sangamon Valley Collection Lincoln Library (top).

During the now 83 year history of LHS, the building and site have seen many changes. While the west facing entry façade as well as the south facing gymnasium (entry) façade are the least changed, the site was significantly impacted with the addition of an entire new school building (Edison Junior High School) in 1956. Two early additions in 1939 and 1948 only enhanced the original structure; additions since have simply been programmatic responses to particular needs such as connecting the two separate schools, adding a more “modern” gymnasium, and constructing a commons space which occurred simultaneously at all three public high schools.

HPD PLAN 9.1



Aerial photo taken circa 1960 illustrating the original LHS with its first two additions to the north as well as Edison Junior High School constructed in 1956. Photo courtesy Sangamon Valley Collection Lincoln Library.

Historical Considerations for Lanphier High School

The east elevation of the original building along with the entrance to the original gymnasium remain the most visible components of the original 1937 structure. If the Chrysler Building in New York represents quintessential Art Deco in the United States, know that Lanphier High School's (LHS) sometimes subtle Art Deco details represent a fabulous understated Midwestern view of the same architecture.



Historical considerations are similar to many other architectural decisions that involve material choices, massing, and other types of detailing in general. As comprehensive work is considered, new construction, especially the masonry Art Deco detailing such as stepped back corners, could be easily replicated. In addition, the sparingly used Art Deco stone details could be similarly replicated or reimaged.



HPD PLAN 9.1



HPD PLAN 9.1

As long range planning moves forward to ultimately create a significantly “new LHS”, the Art Deco style may be something that should be evaluated from a holistic perspective to perhaps become a theme that incorporates both wayfinding and history. While seemingly a small detail, the Art Deco lettering of the original gymnasium entrance was replaced by a more generic sans-serif font; the Art Deco lettering at the original entrance remains.

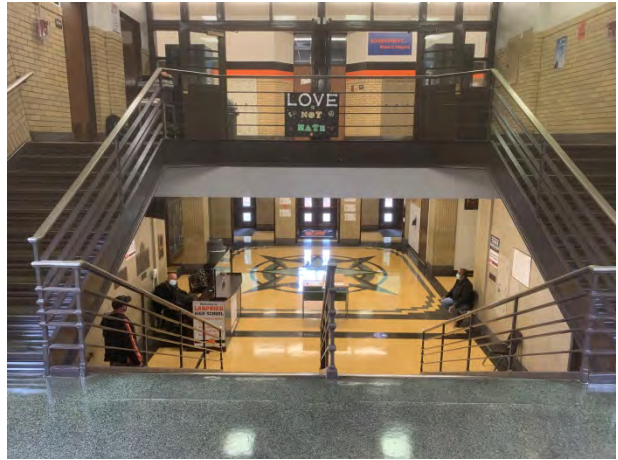
The history that could be reflected and illustrated in the architecture and detailing of new work could bring to life the unique time between the Great Depression and World War II to enhance the educational experience for students, foster support of alumni, and provide important historical context for visitors. A continued and updated recognition of the school’s namesake and connection to the industry he oversaw that was once located across the street would be an appropriate gesture.

Former windows above the original entrance as well as the gymnasium entrance along with the spectacular terrazzo floor design in the main lobby could inform details in new work. The top railing at all of the original stairs is one of the smallest details and is probably the most phenomenal. The railing detail is Streamline Moderne and is nicely incorporated into this Works Progress Administration building.



HPD PLAN 9.1

The interiors are certainly reflective of an institution post Great Depression, but solidly constructed and beautifully maintained. Consideration should be given to similar corridor widths and styling. The monumental stairs leading from the main lobby were intended to ascend to an auditorium; consideration should be given to having them ascend either to a new auditorium or additional space required of future programming.



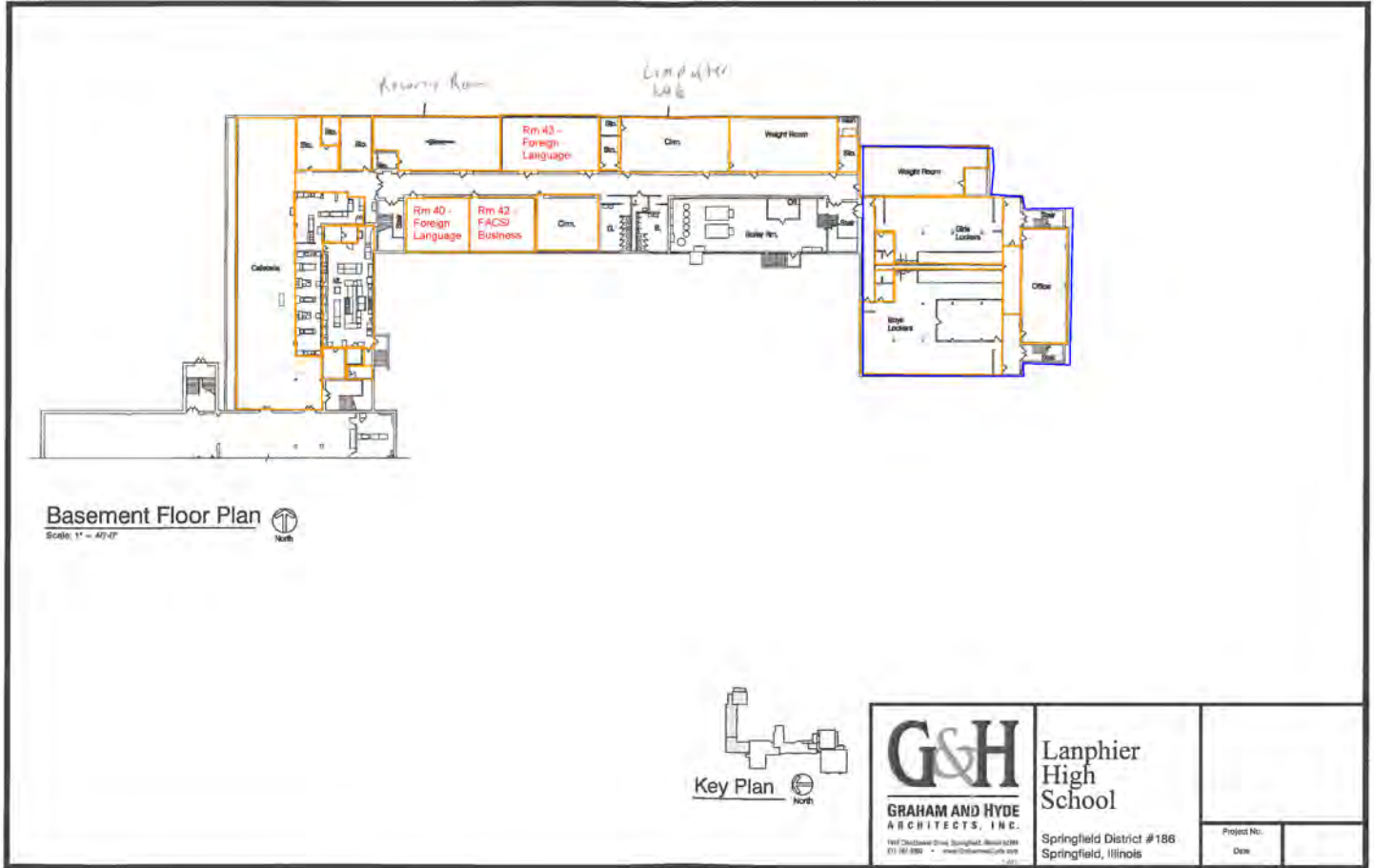
HPD PLAN 9.1

In 1998, an addition was constructed to the north by virtue of particular programming at that time that has the addition sit farther to the west than the main façade as well as the addition makes an awkward connection to the original structure; long range planning and programming should consider its removal or reconfiguration to blend more seamlessly with the original structure.

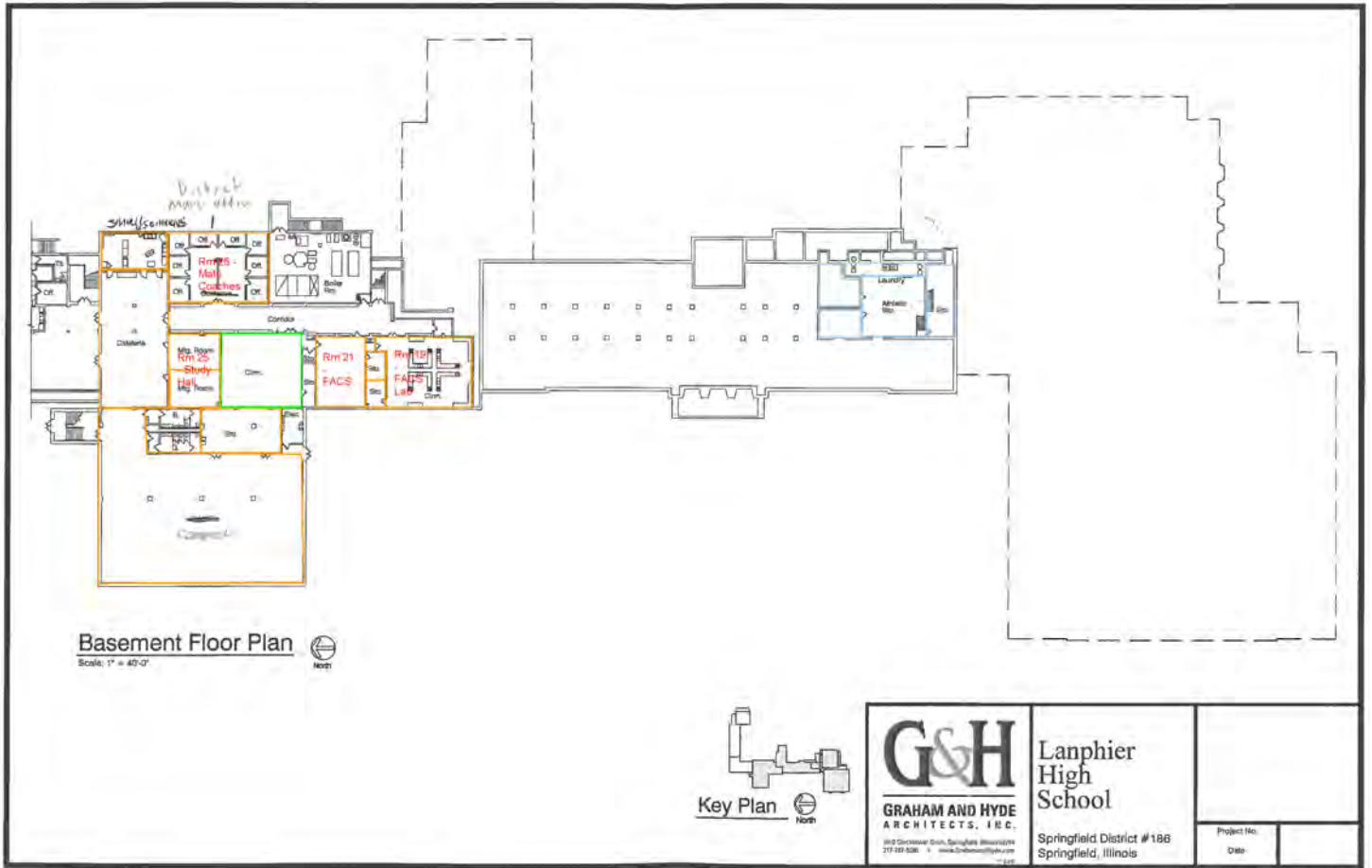


LHS has recently been made a controversial target by some in the community concerned about railroad relocation and its impact on the future of the school. Therefore, no matter your opinion on the matter it is a real and sometimes volatile issue that should be given every consideration in the design and programming of a reimagined LHS. A future team selected to complete major work at LHS should seek information directly from those involved in railroad relocation in order to make all efforts to enhance the LHS campus and to demonstrate to the community how the school and railroads can coexist near one another.

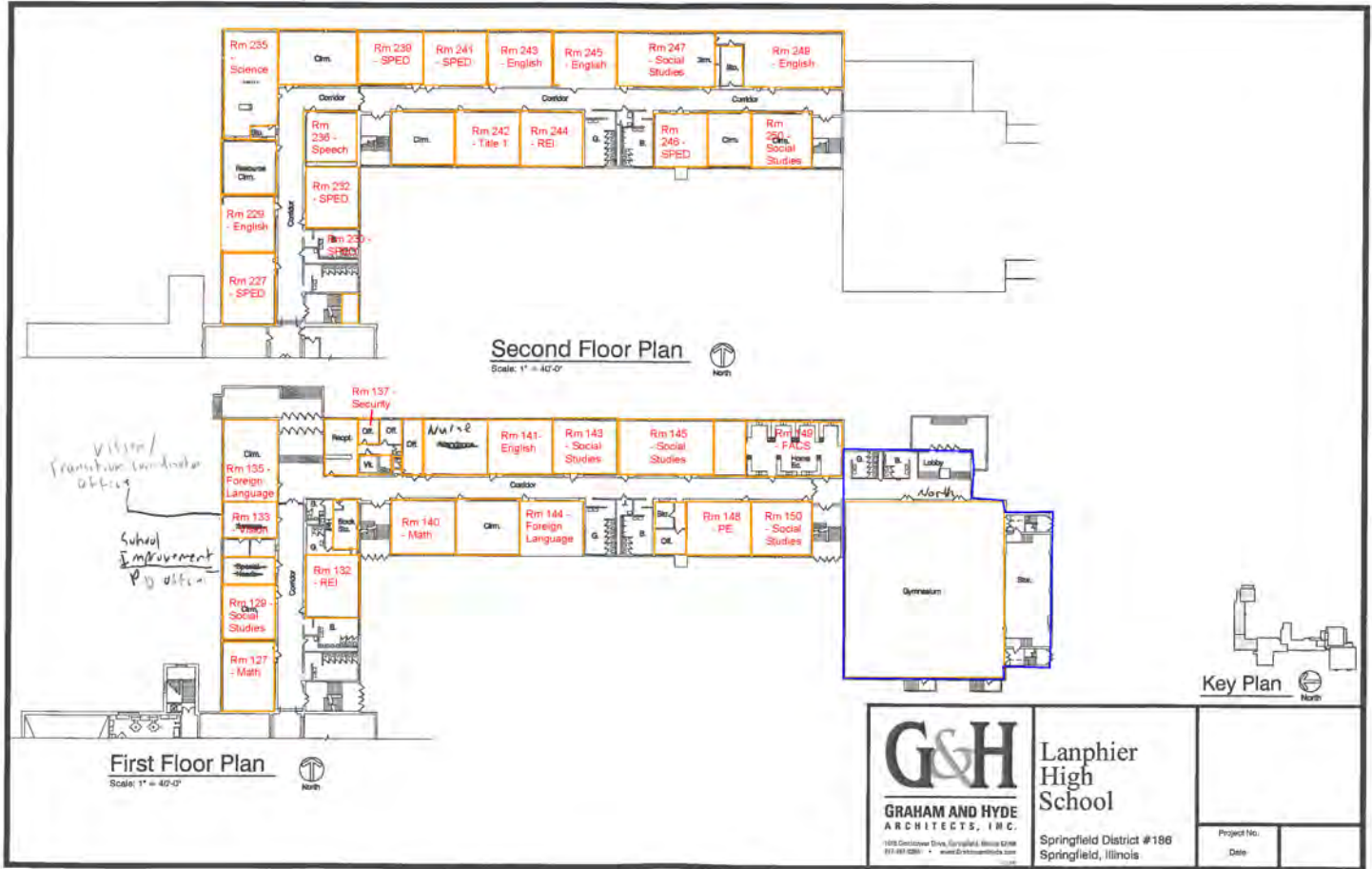
EXISTING CONDITIONS: FLOOR PLAN 9.1



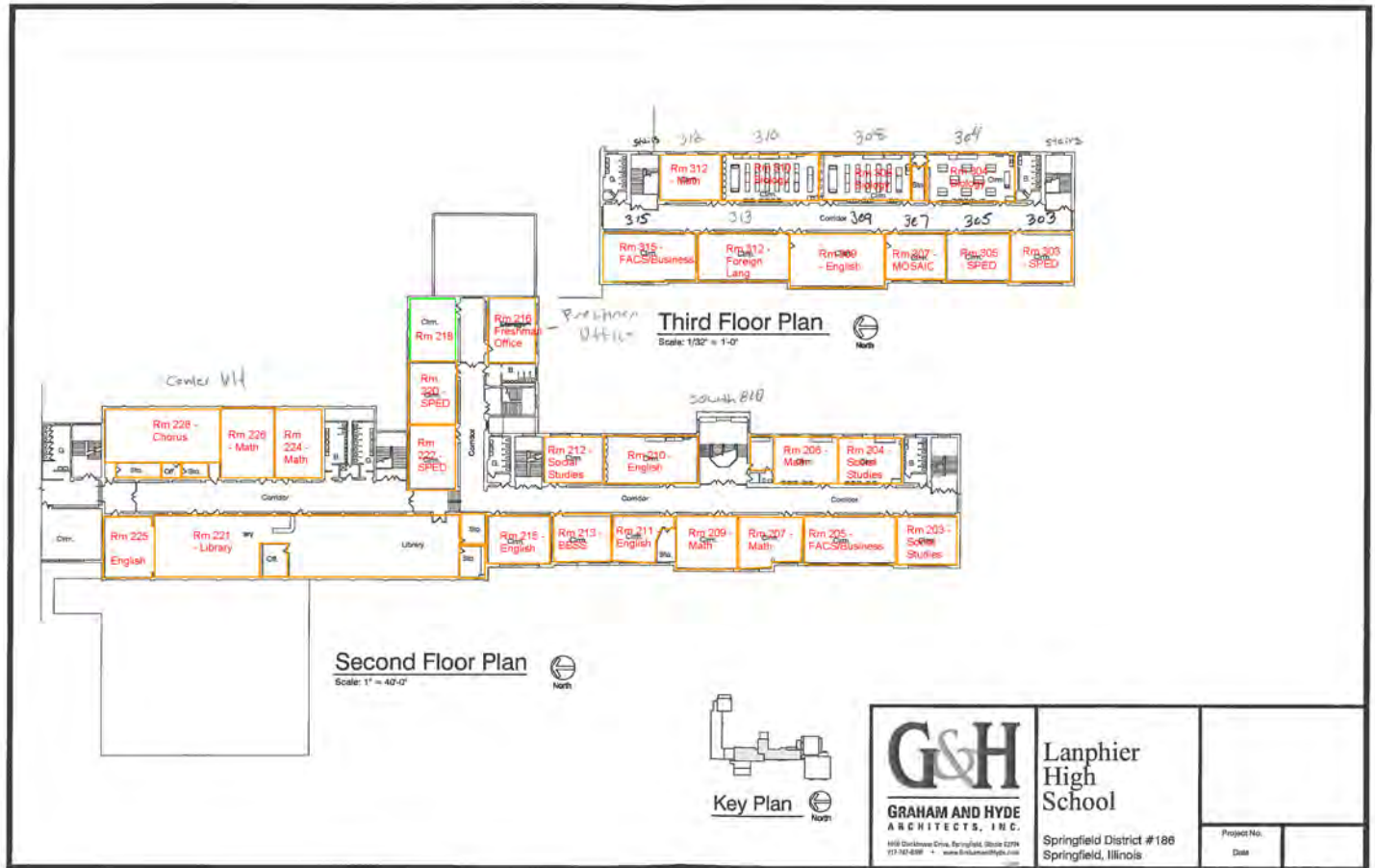
EXISTING CONDITIONS: FLOOR PLAN 9.1



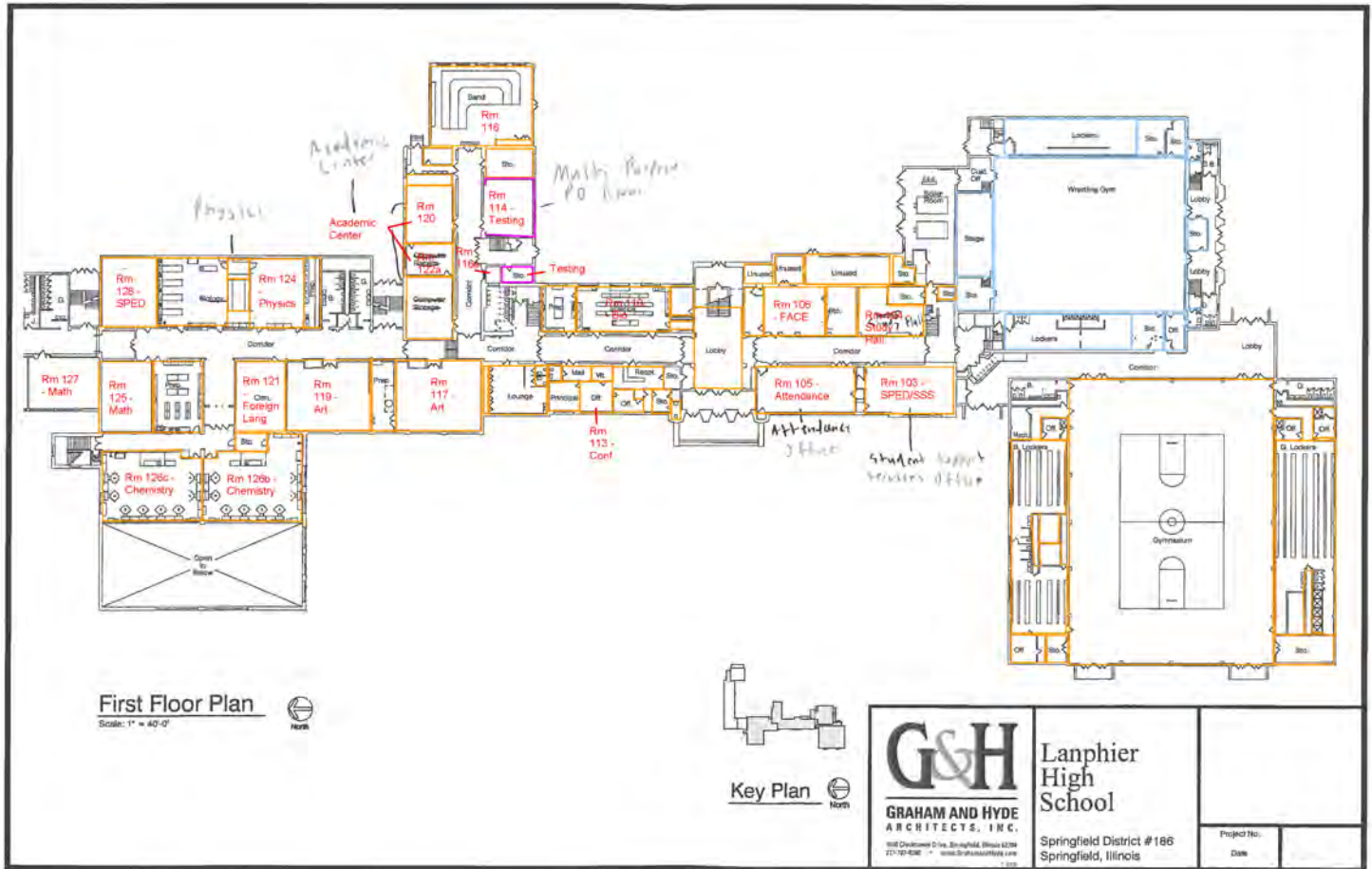
EXISTING CONDITIONS: FLOOR PLAN 9.1



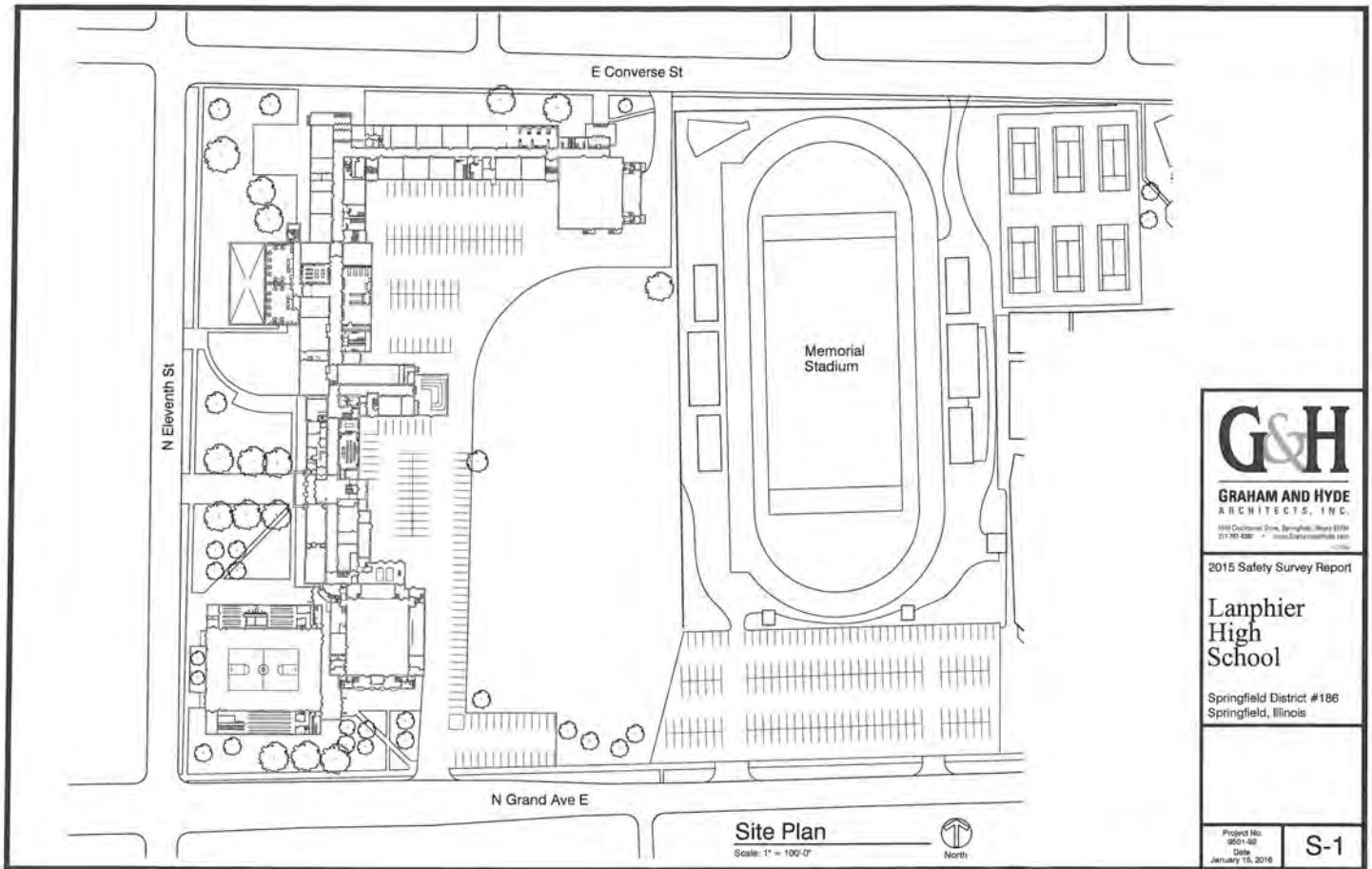
EXISTING CONDITIONS: FLOOR PLAN 9.1



EXISTING CONDITIONS: FLOOR PLAN 9.1



EXISTING CONDITIONS: SITE PLAN 9.1



SPRINGFIELD
DISTRICT 186 SCHOOLS
LANPHIER HIGH SCHOOL
SITE ASSESSMENT
JANUARY 2020

LANPHIER HIGH SCHOOL

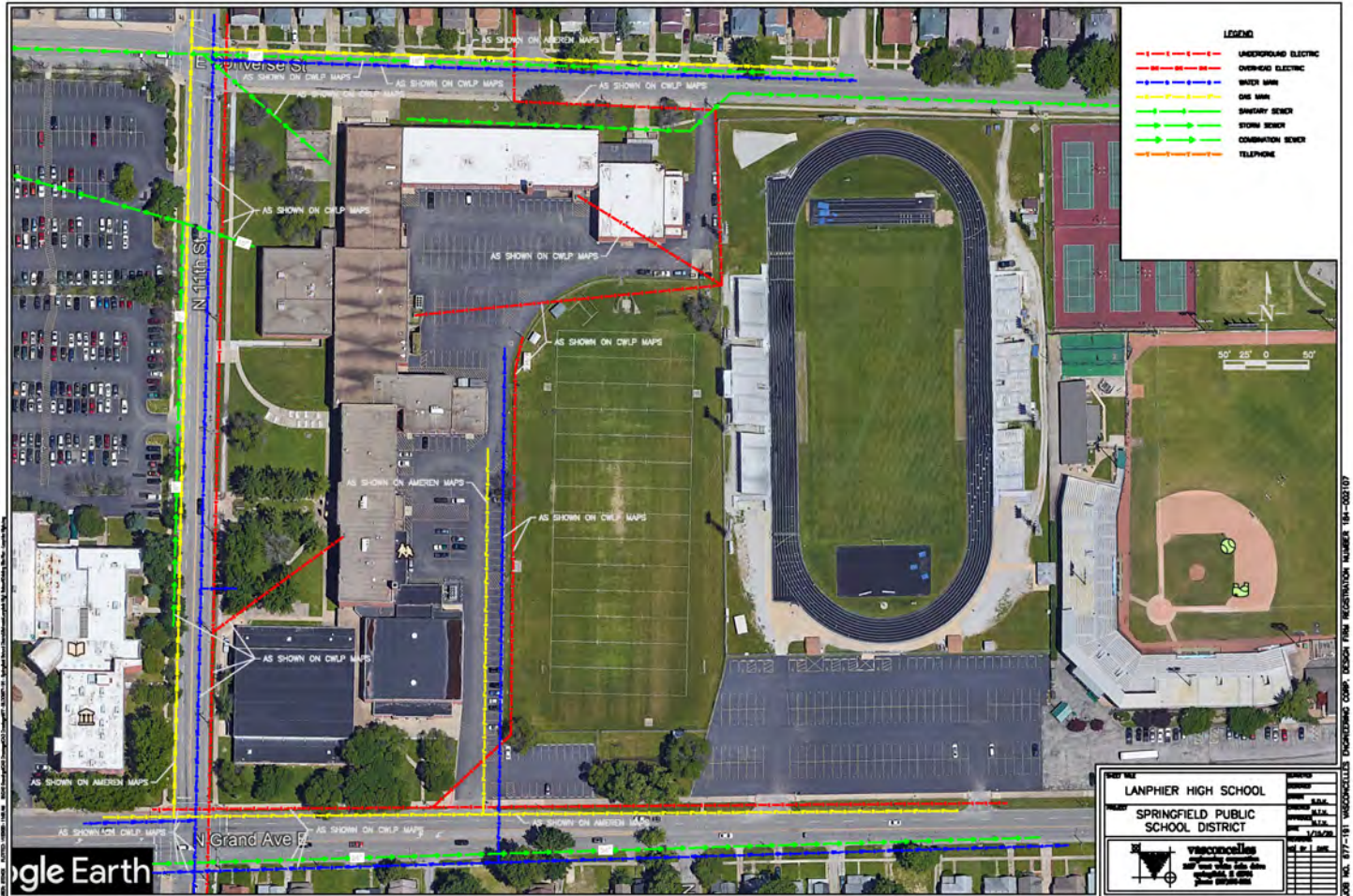
- I. GENERAL
 - The proposed addition replaces concrete sidewalk, asphalt parking lot, existing buildings, and grass surface with building.
 - Traffic flow patterns for student drop-off or pick-up should be assessed.
 - An e-mail from the Illinois Department of Natural Resources, noted their review of the Illinois Natural Heritage Database contained no record of State-listed threatened or endangered species, natural area inventory sites, nature preserves, or land and water reserves in the vicinity of this school.
 - Vasconcelles Engineering Corporation (VEC) submitted a letter to the Illinois Historic Preservation Agency (IHPA) on September 18, 2019. (see attached letter)
- II. ZONING
 - The zoning for Lanphier High School is zoned R-2 as are the properties to the north, south and east. The parcel of property to the west is zoned I-1
 - Front yard setback = 25', side yard = 3' and 10' total for both sides, rear yard = 20'
- III. DRAINAGE
 - Drainage of the area is generally away from the building west towards 11th Street, north towards Converse Ave. and south toward North Grand Ave.
- IV. SEWERS
 - There is a 24" combination sewer running down North Grand Ave. There is an 8" combination sewer running along the west side of 11th Street and an 18" combination sewer running down Converse Ave. It appears there is a connection to the 18" combination sewer coming out of the northwest side of the existing building.
- V. ELECTRIC
 - Electric service is from the west and north.
- VI. GAS
 - There is a gas main in North Grand Ave., 11th Street, and Converse Ave. There is also a 2" line running along the east side of the existing building.
- VII. WATER
 - There is a water main in North Grand Ave., 11th Street, and Converse Ave. There is also a 6" line running along the east side of the existing building.
- VIII. DETENTION
 - If the outlet system from the detention storage is connected to a storm sewer system or a waterway, the proposed condition 10-year and 100-year frequency release rates are typically required to be no greater than the existing condition 10-year and 100-year frequency flow rates to the storm sewer or waterway.

IX. UNDERMINING

- The school property is not located in an underground mine region.

X. EXTERNAL FLOOD

- The school property is not depicted in a special flood hazard area on a Flood Insurance Rate Map as there is not special flood hazard area in the vicinity of the school.



LHS-4

AERIAL 2018-10-16

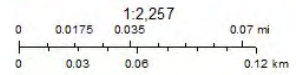


PARCELS

Sangamon County GIS



January 15, 2020



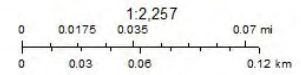
Note
Copyright 2019

2007 CONTOURS

Sangamon County GIS



January 15, 2020



Note
Copyright 2019

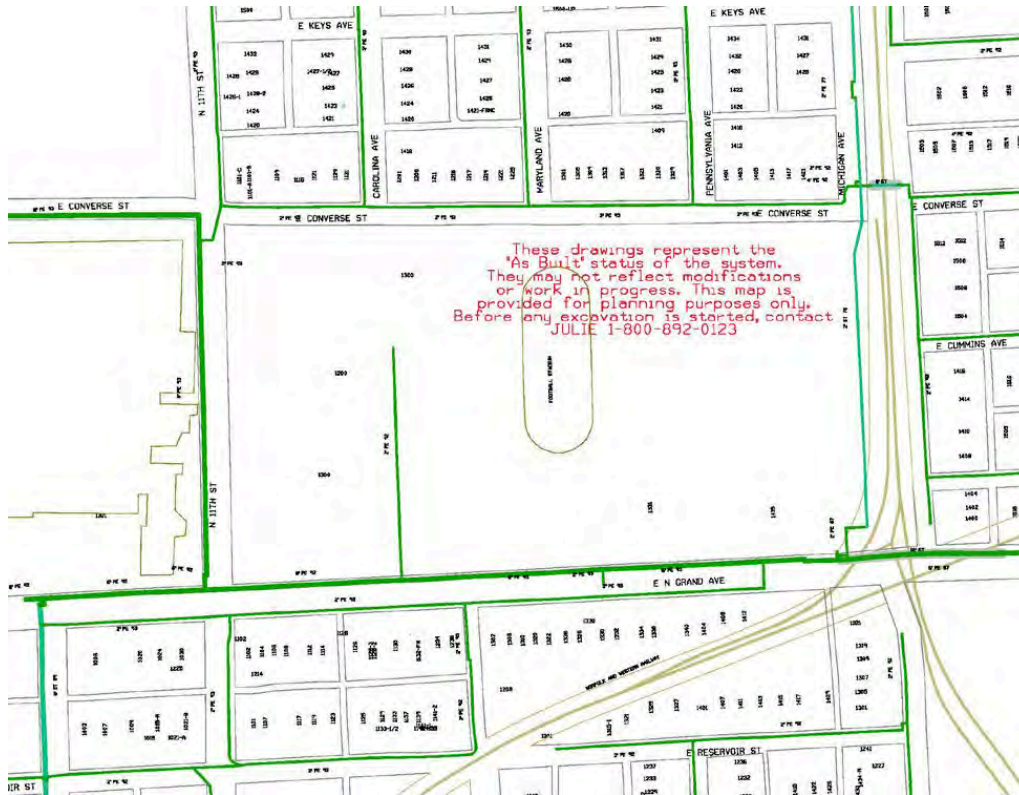
SEWER MAP



ELECTRIC MAP



GAS MAP



WATER MAP



Applicant: Vasconcelles Engineering Corp
Contact: Steve Kuper
Address: 2417 West White Oaks Dr.
 Springfield, IL 62704

Project: Lanphier High School
Address: 1300 North 11th Street, Springfield

IDNR Project Number: 2003206
Date: 09/26/2019

Description: Building Addition

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database contains no record of State-listed threatened or endangered species, Illinois Natural Area Inventory sites, dedicated Illinois Nature Preserves, or registered Land and Water Reserves in the vicinity of the project location.

Consultation is terminated. This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary. Termination does not imply IDNR's authorization or endorsement.

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Sangamon

Township, Range, Section:
 16N, 5W, 22



IL Department of Natural Resources

Contact
 Brian Willard
 217-785-5500
 Division of Ecosystems & Environment

Government Jurisdiction

IL Environmental Protection Agency
 Amy L. Dragovich, P.E.
 1021 North Grand Ave. East
 P.O. Box 19276
 Springfield, Illinois 62701

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.
2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.
3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

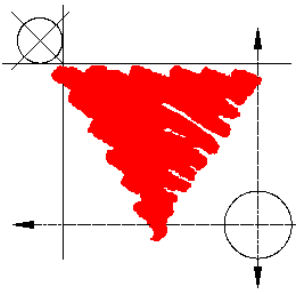
Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.



vasconcelles

engineering corporation

Principals

James Vasconcelles
Mark Vasconcelles, P.E.
Shayla Pfaffe, P.L.S.
Trent Dalton
Steve Kuper
Wendi Wallner

September 18, 2019

Anne E. Haaker
Illinois Historic Preservation Agency
1 Old State Capitol Plaza
Springfield, IL 62701

RE: Lanphier High School, Springfield, IL

Dear Ms. Haaker:

The Springfield Public Schools are planning to construct an addition to Lanphier High School, 1300 North 11th Street, Springfield, IL. Enclosed is a general location map to assist you in understanding the location of the proposed addition.

We will be filling out the Notice of Intent for the Illinois Environmental Protection Agency NPDES permit and wanted to consult your office in regards to Historic Preservation.

I am requesting your review of this information. If you have any questions or need additional information, please feel free to contact me.

Sincerely,

VASCONCELLES ENGINEERING CORPORATION

Steven D. Kuper

Enclosure

sdk
677-191

Consulting Engineers

Springfield Office
2417 West White
Oaks Drive
Springfield, IL 62704

217.698.3114
Fax 217-698-3115

1.800.727.4VEC

E-mail
vec@vasconcelles.com



DISTRICT 186
SPRINGFIELD PUBLIC SCHOOLS

TRANSFER PACKAGE #10

NEW ELEMENTARY SCHOOL
REPLACEMENT OF LAKETOWN & HAZEL DELL

**OUR SCHOOLS
OUR FUTURE**

FACILITIES MASTER PLAN, PHASE 1 2020
(REVISED OCTOBER 2020)

PROJECT MANAGEMENT TEAM

BLDD Architects

IDG Architects

O'Shea Builders

CJP Architects

Vasconcelles Engineering

Hanson Engineering

CONTENTS

10.1 New Elementary School

Project Summary.....	10.1-1
Building Programs.....	10.1-3
Project Budget.....	10.1-5
Design Intent	
Design & Scope Diagrams	10.1-6
Project Schedule	10.1-12
Existing Conditions	
Floor Plans.....	10.1-13
Site Plans	10.1-15
Site Assessment.....	10.1-17

PROJECT SUMMARY 10.1

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

HAZEL DELL ELEMENTARY SCHOOL

Grades: K-5 Enrollment: 164 No. of Strands: 2
Address: 850 W. Lake Shore Dr. Springfield, IL 62712
Year of original construction: 1948
Building additions: 1953, 1959



LAKETOWN ELEMENTARY SCHOOL

Grades: K-5 Enrollment: 168 No. of Strands: 2
Address: 1825 Lee St. Springfield, IL 62703
Year of original construction: 1957
Building additions: 1959



Replace the current Laketown and Hazel Dell Elementary Schools with a 500 student future-focused K-5 school that will support current and future educational needs of students through evidence-based and flexible design features, including:

Design Intent

- Provide educational delivery spaces with flexible and future focused classroom space. Integrate technology and furnishings to allow multiple teaching and learning approaches to be deployed to support the curriculum and staff needs. Utilize operable walls and mobile furnishings to allow teaming and adaptive environments for current and future needs.
- Create student engagement zones with social and emotional support spaces through-out the facility that allow alternative learning spaces for faculty and students to utilize, open collaboration commons, learning commons, and break out spaces.
- Encourage faculty collaboration by including multiple faculty support spaces and meeting rooms to allow team and departmental coordination.
- Improve school security with secure entry areas, and separated parking and circulation on the site.
- Create large gathering spaces for safe, efficient, and effective dining and pre-function and post function hosting during events.
- Provide space for community use and fitness programs.
- Create the opportunity for performances in the facility.
- New school to be built on a site to be determined. The existing buildings will be retired.

Project Specific Recommendations

Site

- Develop clear site circulation for student parking, visitor access, bus drop-off, staff parking, and event parking.
- Utilize the architecture to create a clear point of entry to the secure vestibule.

Building Construction

- Provide aesthetic that is stimulating yet suited to the neighborhood and community it serves.
- Utilize masonry, stone, metal panel, precast and glazing systems to create a unique aesthetic that represents the new programs housed within.
- Minimize the building footprint and create a sense of importance by utilizing 2-story construction.
- Create floor, paint, and ceiling finishes with products from the district standards that create a stimulating interior environment.
- Provide signage and wayfinding to create a cohesive visitor and student experience.
- Allow future additions and renovations to be accommodated in future phases

MEP

- Extend and improve electrical service with to a sub panel for distribution to additions.
- Provide current HVAC systems and provide air conditioning and proper ventilation
- Provide Fire Alarm, Fire Protection

Technology

- Provide security, data networks, Wi-Fi network, telecom, bell and paging systems.

Construction Delivery Method

- This project is to be constructed via Construction Manager as Constructor.

PROJECT SUMMARY 10.1

Design Considerations

All educational facilities should include design considerations that facilitate educational delivery and mitigate the transmission of infectious diseases during a public health emergency.

These considerations should include the following topics at a minimum:

School Nurse Facilities

Provide at a minimum provide access to dedicated handwashing and toilet facilities adjacent to the cot and office areas. If possible, locate Nurse office/cot space adjacent to spaces that can be converted to isolation or additional cot space during a contagious event. These adjacent spaces like all nursing spaces should allow for easy sanitizing and when possible should have direct access to a public exit to prevent contamination of adjacent areas. Design space to allow access to medication and supplies without cross-contamination cot space or areas used for isolation.

Interior Surfaces

Select and specify surface materials and details that facilitate cleaning and reduce the potential transmission of viral, bacterial, fungal, and other contagions.

Circulation

Designs should allow for safe travel throughout the building with minimal contact. The design of commons areas, lobbies, corridors, and other primary arteries of circulation is to be evaluated for their ability to accommodate the need for increased social distancing, one-way traffic flow, and zoning of occupants. Consider the reduction of two-sided locker hallways, narrow corridors that are restricted by solid walls, and designs that increase 1-way travel distances.

Student Storage

Consider design options that eliminate or reduce dedicated student storage, such as lockers, locker commons, etc. that increase travel distances and unnecessary student interaction during passing periods. Consider policy ramifications of decisions when appropriate.

Faculty Space

Create faculty assigned spaces that can allow modifications to reduce the transmission and exposure of infectious diseases. These may include offices and faculty storage, suites of learning environments, or other groups that allow more sharing of space to reduce student travel, remote learning, team teaching, or other modifications.

Increased Flexibility in Facility and Equipment

Design classrooms and shared spaces to allow rooms to grow or shrink to allow different seating layouts and capacities. Strategies may include:

- Increase views to adjacent spaces to allow the monitoring of students beyond the classroom.
- Limit fixed casework to increase wall surfaces for additional operable walls, windows, and doors to allow shared access.
- Reduce small, dedicated, but limited-use spaces that reduce adaptability.
- Limit fixed shelving and equipment placement to the perimeter of large spaces, such as libraries, commons, specialty labs, etc. to allow them to be reconfigurable for additional capacity.
- Consider alternatives to fixed seating in auditoriums, theaters, and cafeterias to allow different uses.
- Include integrated and flexible open learning spaces along primary circulation paths to allow education spaces to expand or traffic circulation changes.
- Maximize the use of operable walls.
- Increase the ability to distance users within athletic facilities, including locker areas and training spaces.

Exterior Considerations

Allow for additional screening cueing at all main entries. Develop outdoor classroom areas that can extend the building's capacity. Provide shelter and the ability to deploy portable heating and cooling equipment to extend usability.

Food Service

Increase access to handwashing stations in dining areas, allow for grab and go service, reduce lines and cueing, select easily washable/cleanable furniture, and accommodate for capacity changes.

Hygiene

Consider additional handwashing and sanitizing stations throughout the facility. Consider additional gender-neutral toilet room designs to allow greater capacity during more frequent cleaning and sanitizing of toilet facilities.

Mechanical Systems

Consider additional indoor air filtration, air exchanges, and zoning to minimize exposure to air-borne infections. Employ dedicated outdoor air or small group zoning strategies to minimize facility-wide exposure. Utilize system designs that encourage good maintenance procedures by making future access uniform and convenient. Increase the quality of filtration systems and air quality monitoring systems. Integrate the latest guidance by ASHRAE for educational facilities, including any supplemental guidance, such as guidance for the safe reopening of schools.

(REVISED OCTOBER 2020)

BUILDING PROGRAM 10.1

2-3 Strand Template- Laketown/Hazel Dell

	New Spaces Required	Sq Ft	QTY	Total Sq Ft	COMMENTS
CORE EDUCATIONAL ENVIRONMENTS (CLASSROOMS)					
Classroom- Kindergarten Classroom		1050	3	3150	
Kindergarten Toilet (adjacent to classroom)		45	3	135	
Classroom- First Grade		900	3	2700	
First Grade Toilet (adjacent to classroom)		45	3	135	
Classroom- Second Grade		900	3	2700	
Classroom- Third Grade		900	2	1800	
Classroom- Fourth Grade		900	2	1800	
Classroom- Fifth Grade		900	2	1800	
Reading Classroom		500	2	1000	
Literacy Classroom		300	2	600	
ESL (English as a Second Language) Classroom		400	1	400	
FINE AND APPLIED ARTS/ PERFORMANCE SPACES					
Art Studio		1100	1	1100	
Art Storage		150	1	150	
Music Room		1000	1	1000	
Music Storage		200	1	200	
Auditorium with Stage (Small)		800	1	800	
MEDIA CENTER/ LIBRARY SERVICES/ DISTANCE LEARNING LABS					
Media Center/ Library		1400	1	1400	
Media Center/ Library Storage		200	1	200	
Media Center/ Library Office		100	1	100	
Media Center/ Library Workroom		150	1	150	
Technology/IT Storage		200	1	200	
PHYSICAL EDUCATION/ ATHLETIC FACILITIES (INSIDE AND OUTSIDE, SUPPORT SPACES FOR COACHES/ TEAMS)					
PE Gymnasium (Regulation sized)		8400	1	8400	
Physical Education Storage- Indoor equipment		400	1	400	
Physical Education Office		120	1	120	
SPACES FOR STUDENTS WITH SPECIAL NEEDS (CLASSROOMS, SMALL LEARNING AREAS)					
Special Education- Large Classroom		500	3	1500	
Resource Room (Large)		300	3	900	
Speech Classroom		125	2	250	
Occupational and Physical Therapy Room		150	1	150	
Office- SSS (Student Support Services)		100	1	100	
Office- Children's MOSAIC Project (Community Social Work)		100	1	100	
Special Needs Single User Toilet (Changing)		125	1	125	
LEARNING LABS (SCIENCE, TECHNOLOGY, MAKER SPACE)					
Project Based Learning Lab		1000	1	1000	
RECEPTION/ LOBBY/ WELCOMING SPACE					
Lobby/Welcoming area		150	1	150	
Waiting Area		150	1	150	
Reception (General Office/Admin Assistant/Secretary)		350	1	350	
ADMINISTRATIVE SPACES (OFFICES, CONFERENCE)					
Office- Principal		175	1	175	
Conference/ Meeting Room		175	1	175	
Work Room- Administrative		200	1	200	
Storage- Secure File		100	1	100	
Storage- General Administrative		100	1	100	
Faculty Dedicated Single User Toilet (office area)		75	1	75	
Office- General (Admin / PA / Intern / Other)		100	1	100	
Office- Social Worker		125	1	125	
FACULTY SUPPORT/ WORK SPACES					
Faculty Work Room (Large)		500	1	500	
Faculty Lounge Room (Large)		350	1	350	
Faculty Dedicated Single User Toilet		75	2	150	
Storage (Books)		200	1	200	
Conference/Meeting Room		500	1	500	

BUILDING PROGRAM 10.1

2-3 Strand Template- Laketown/Hazel Dell

	New Spaces Required	Sq Ft	QTY	Total Sq Ft	COMMENTS
HEALTH SERVICES					
Nurse Office		100	1	100	
Nurse (cot/bed space)		80	1	80	
Nurse Storage		8	1	8	
Nurse Dedicated Single User Toilet		75	1	75	
Health Services Space (vision/hearing)		10	1	10	
DINING AND FOOD SERVICE					
Multi-Purpose/Cafeteria Commons		2800	1	2800	
Multi-Purpose/Cafeteria Commons Storage		200	1	200	
Food Service Kitchen		1500	1	1500	
Food Service Storage		350	1	350	
Receiving		50	1	50	
COMMUNITY SPACES					
Multi-Purpose/ Community Room (Small)		900	1	900	
Office- Parent Educator		100	1	100	
Project SCOPE- After-School Program Storage		200	2	400	
F.A.C.E Family and Community Engagement- Storage		200	1	200	
BUILDING SERVICES/ FACILITIES MANAGEMENT SPACES					
Custodians' Closets		25	2	50	
Maintenance Central Storage		300	1	300	
Maintenance/Custodians' Office		100	1	100	
Laundry Room		100	1	100	
OTHER					
Toilet- Men		350	2	700	
Toilet- Women		350	2	700	
				Standard Sq Ft	
				46,688	NET SQUARE FOOTAGE
		3%		1,401	Mechanical @ 3% of Net
		25%		11,672	Circulation, walls, etc @ 25% of Net
				59,761	GROSS SQUARE FOOTAGE
2/3 sections for up to 400 students		400		149	sf/student

PROJECT BUDGET 10.1

New Laketown/Hazel Dell Springfield School District 186

October 29, 2020

CONSTRUCTION BUDGET				\$19,622,736
SCOPE				\$17,280,000
New Construction	60000 sf	255	\$15,300,000	
Site Work			\$1,500,000	
Demolition (both schools)			\$480,000	
CONTINGENCY				\$2,342,736
Design Contingency	5%		\$864,000	
Bidding Contingency	5%		\$907,200	
Construction Contingency	3%		\$571,536	
SOFT COSTS				\$2,346,948
SITE ACQUISITION AND EVALUATION				\$27,500
Land Purchase				
Topographical Survey			\$15,000	
Geotechnical Survey			\$12,500	
FEES AND SERVICES				\$1,469,448
Architect/ Engineering Design Fees	7.14%		\$1,319,448	
Interior Design Fees			\$50,000	
Food Service Consultant			\$15,000	
Theater, Lighting & Rigging Design Consultant				
Acoustical/Audio/Video Design Consultant				
Technology Design Services			\$35,000	
Reimbursable Expenses			\$50,000	
OTHER COSTS				\$850,000
Technology, Telecom, Security			\$350,000	
Furnishings, Fixtures, Equipment			\$500,000	
Abatement				

PROJECT BUDGET **\$21,969,684**

PROJECT BUDGET - Escalated 3% 2021 **\$22,628,775**

DESIGN DIAGRAM 10.1

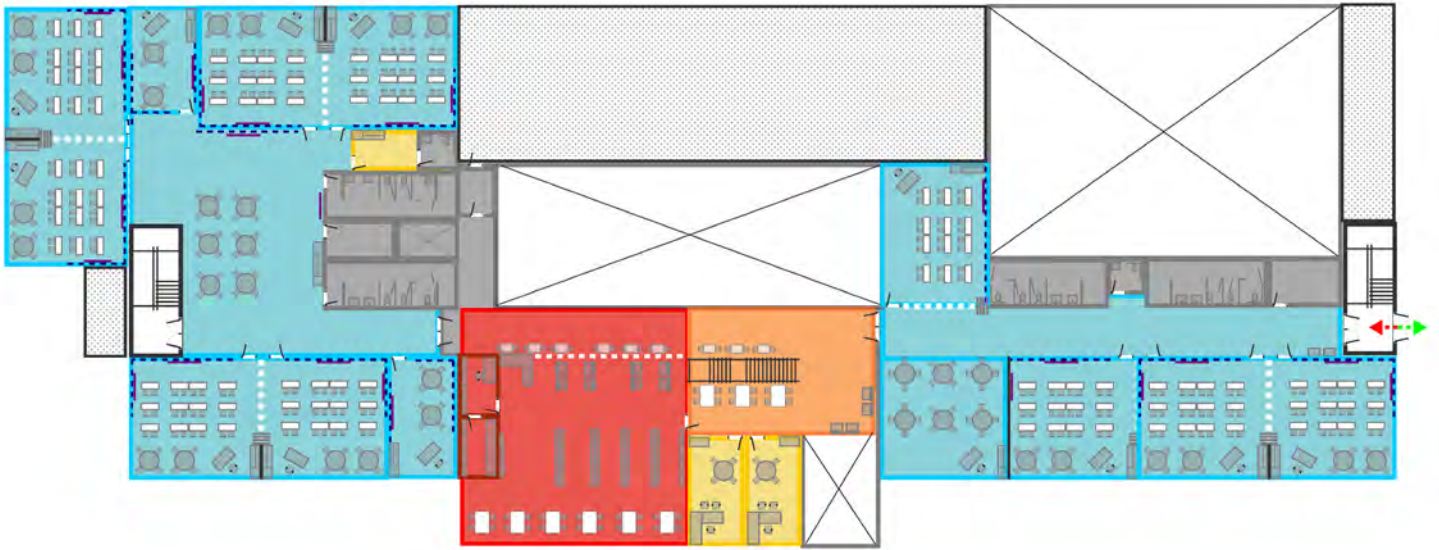


LAKETOWN/HAZEL DELL SCHOOL
FIRST FLOOR PLAN

- WHOLE CHILD
- COLLABORATION
- ATHLETICS
- CLASSROOMS
- SCIENCES / TECH
- ARTS
- FOOD SERVICE
- DEMOLITION
- ADDITION
- CIRCULATION



DESIGN DIAGRAM 10.1

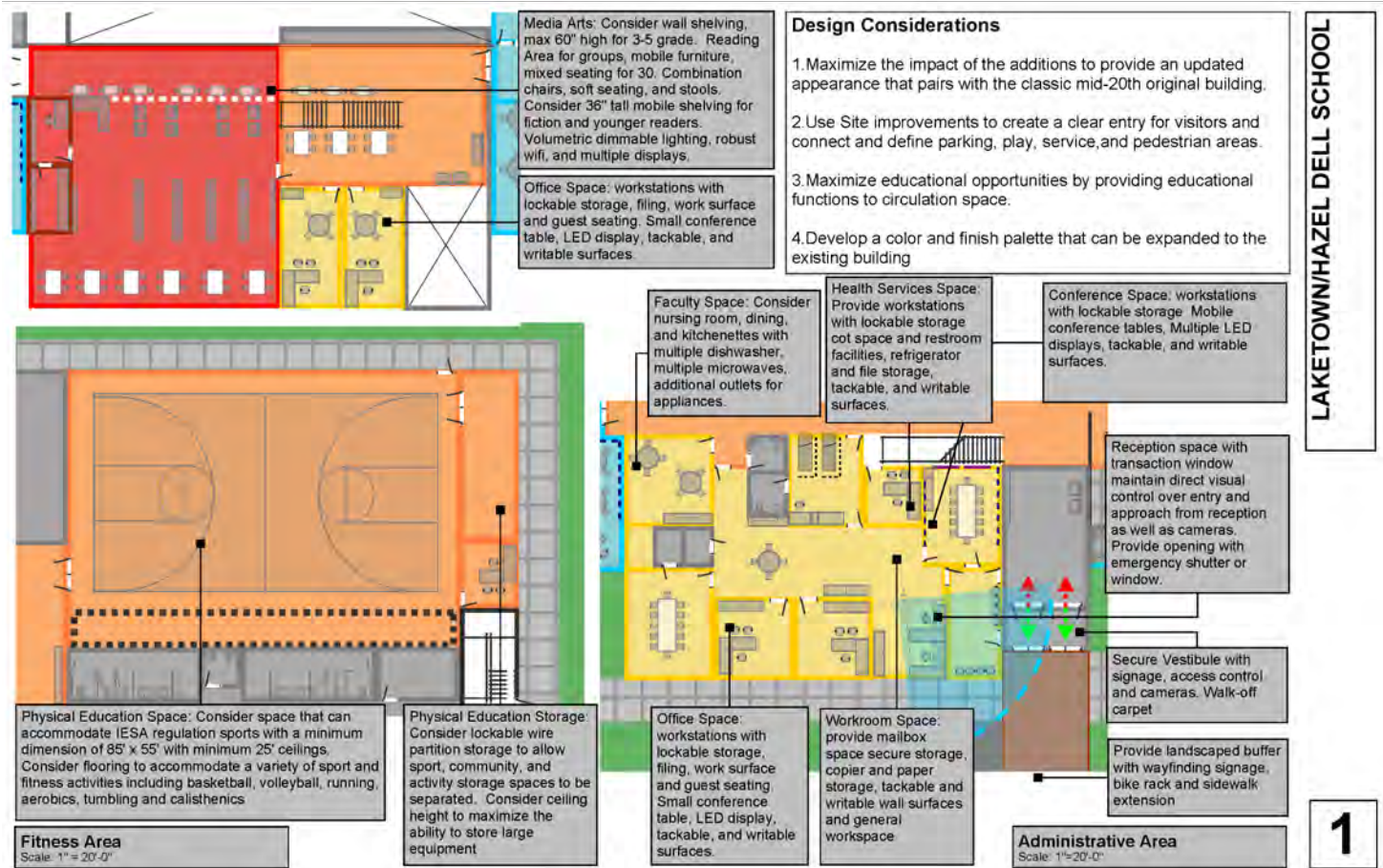


LAKETOWN/HAZEL DELL SCHOOL
SECOND FLOOR PLAN

- WHOLE CHILD
- COLLABORATION
- ATHLETICS
- CLASSROOMS
- SCIENCES / TECH
- ARTS
- FOOD SERVICE
- - - DEMOLITION
- - - ADDITION
- ↔ CIRCULATION

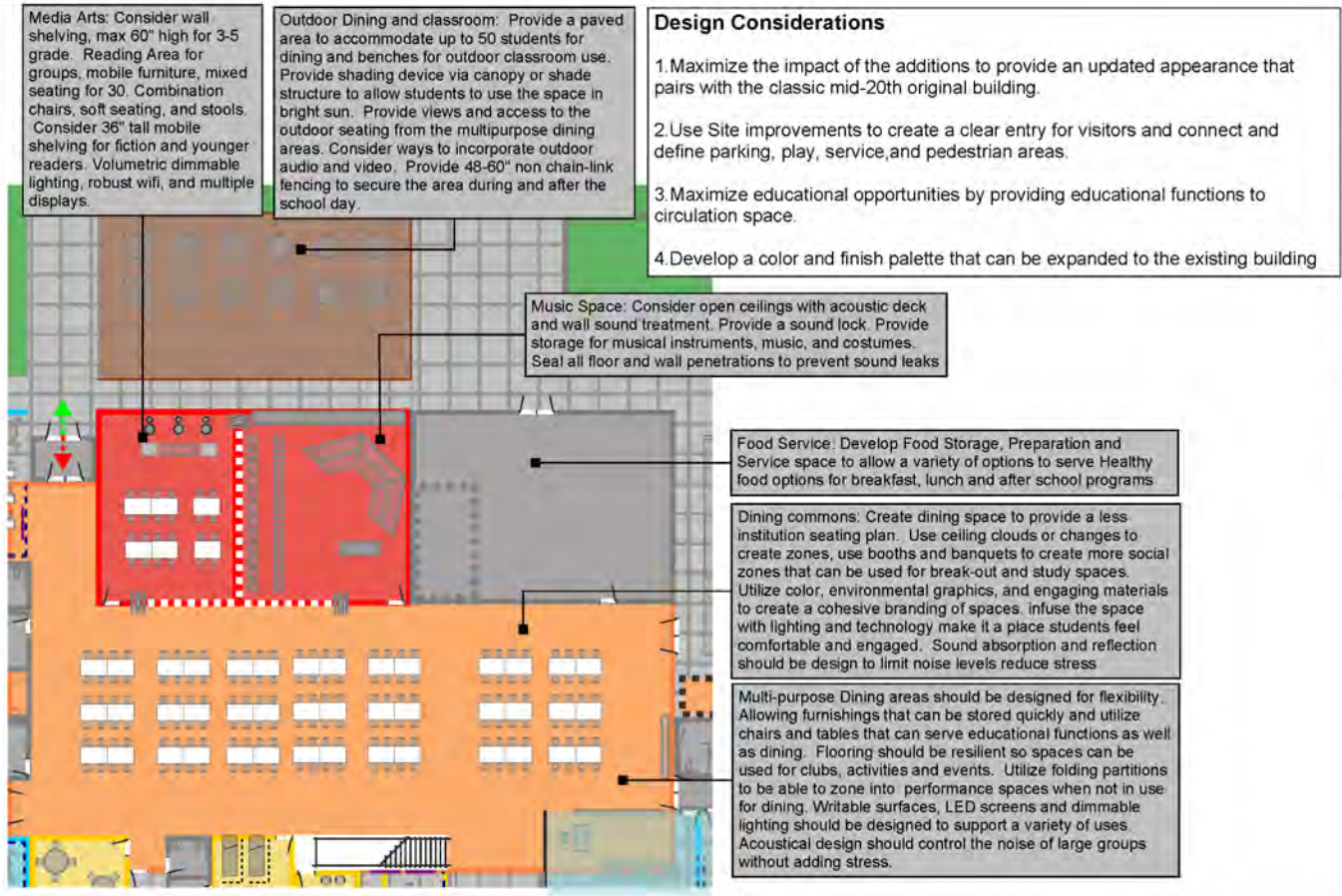


SCOPE DIAGRAM 10.1



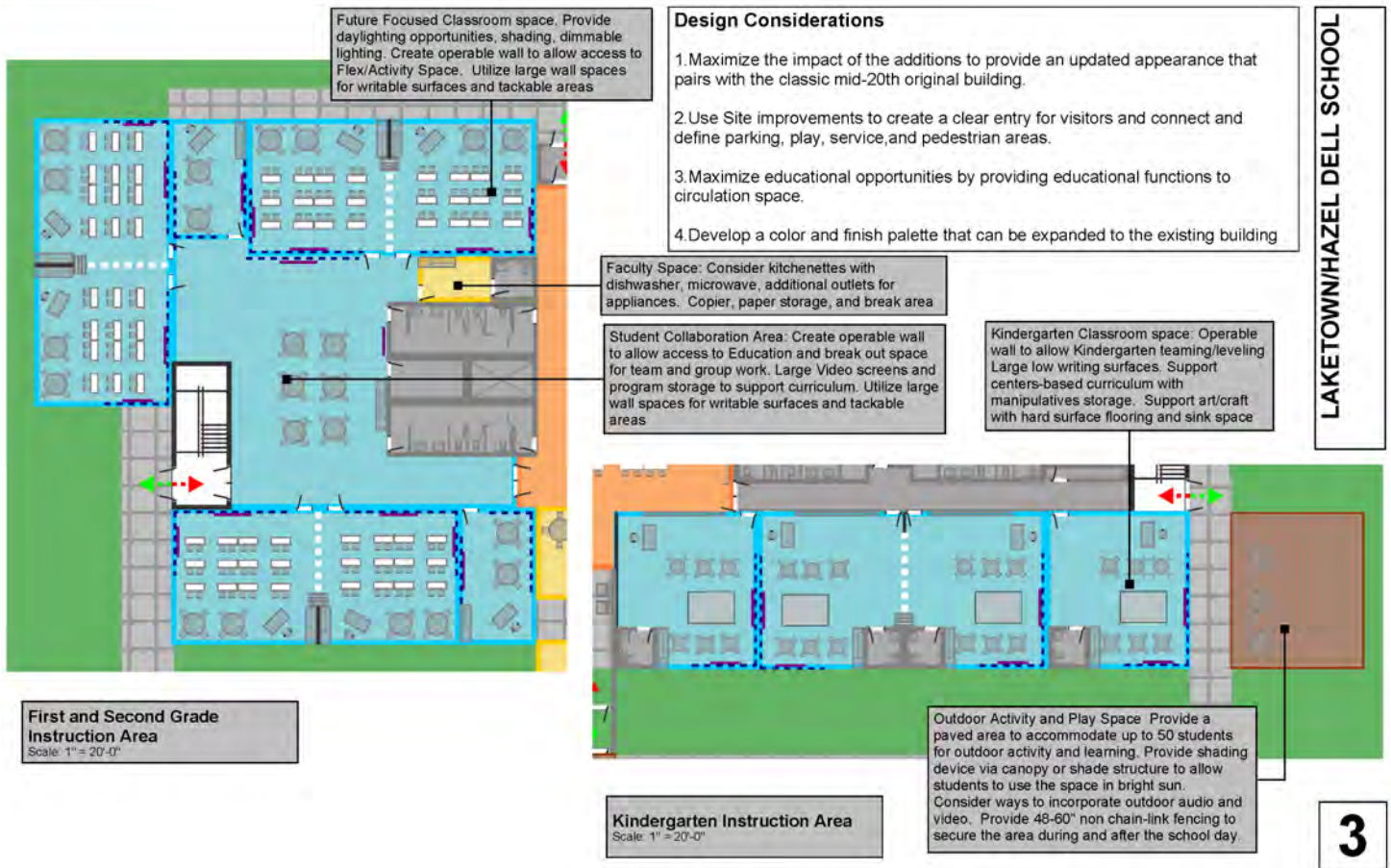
SCOPE DIAGRAM 10.1

LAKETOWN/HAZEL DELL SCHOOL

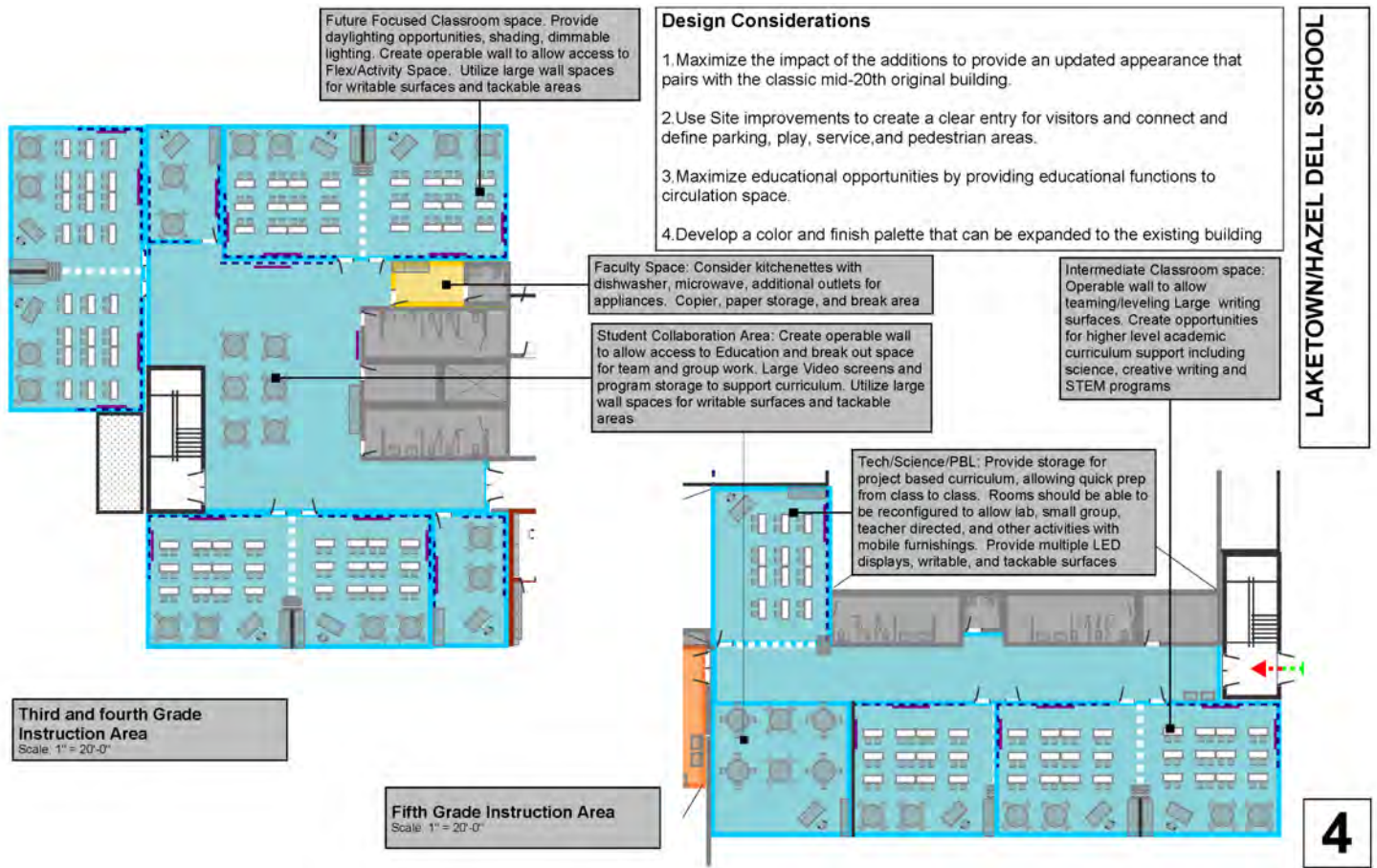


2

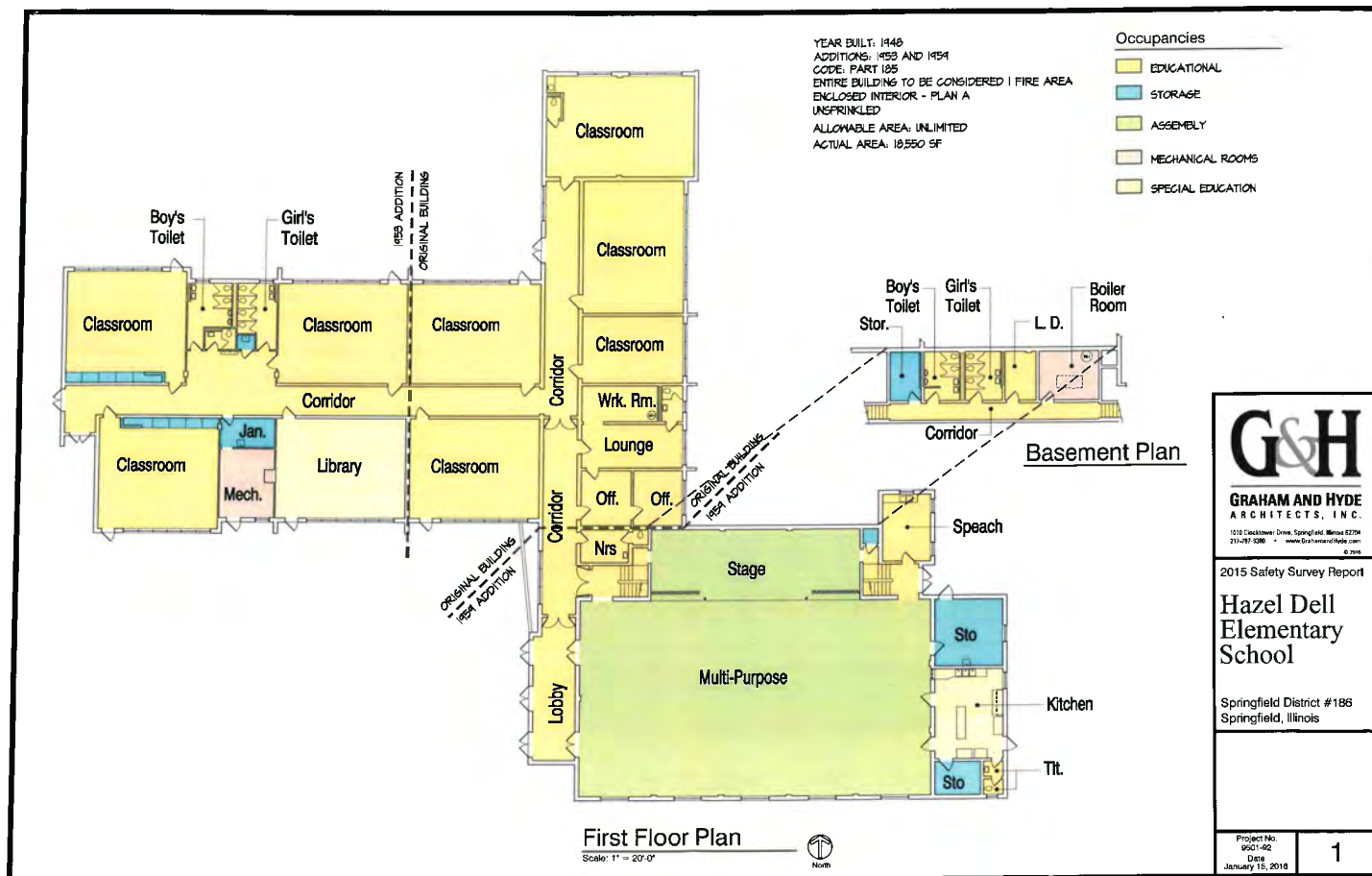
SCOPE DIAGRAM 10.1



SCOPE DIAGRAM 10.1



EXISTING CONDITIONS: FLOOR PLAN 10.1



G&H
GRAHAM AND HYDE
 ARCHITECTS, INC.
 1010 Dickson Drive, Springfield, Illinois 62704
 217-797-5200 • www.GrahamandHyde.com

2015 Safety Survey Report

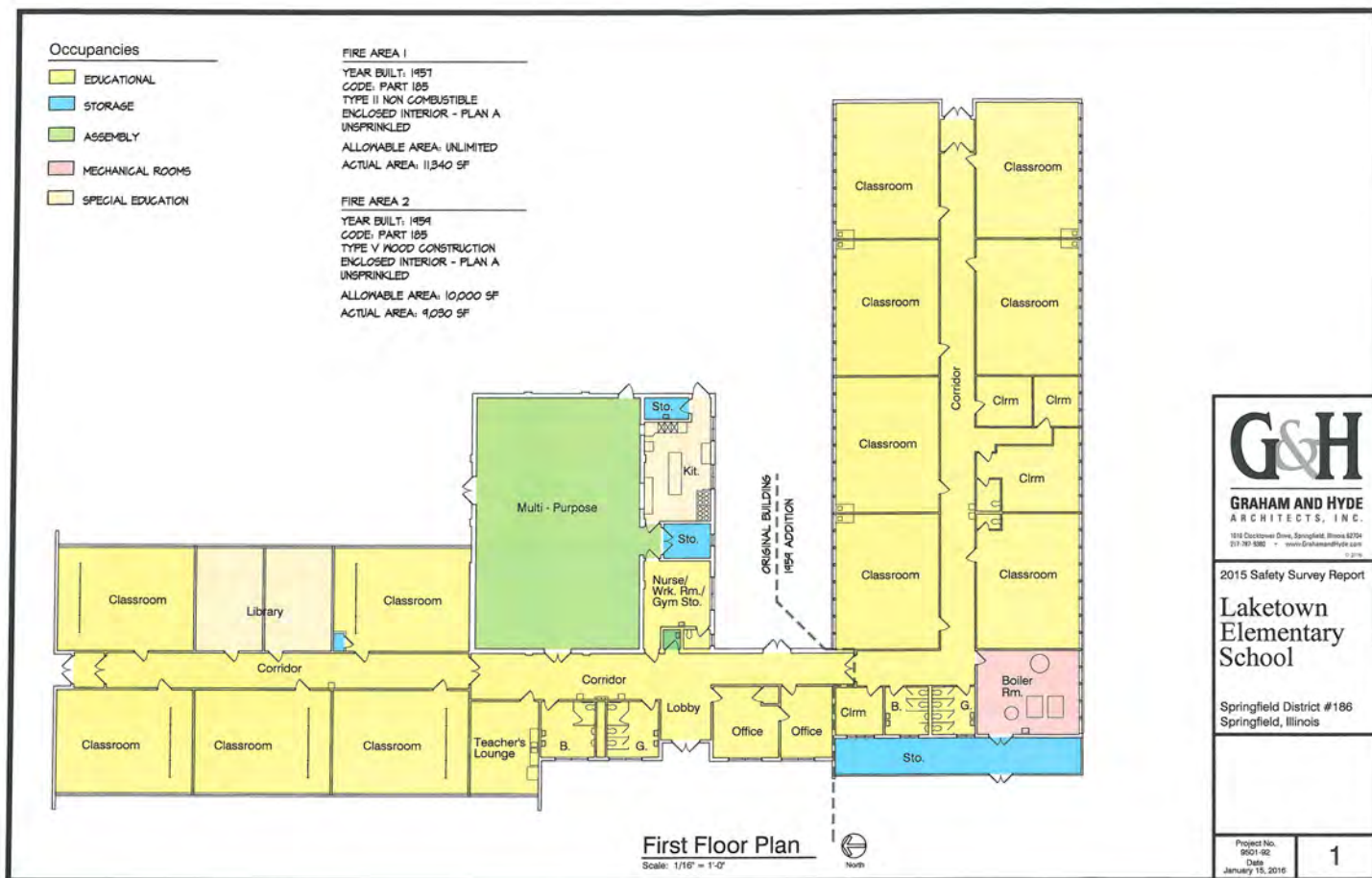
Hazel Dell
Elementary
School

Springfield District #186
 Springfield, Illinois

Project No. 9501-462
 Date: January 15, 2016

1

EXISTING CONDITIONS: FLOOR PLAN 10.1



G&H
GRAHAM AND HYDE
 ARCHITECTS, INC.
 1018 Cocktown Drive, Springfield, Illinois 62704
 217-797-5300 • www.GrahamandHyde.com

2015 Safety Survey Report

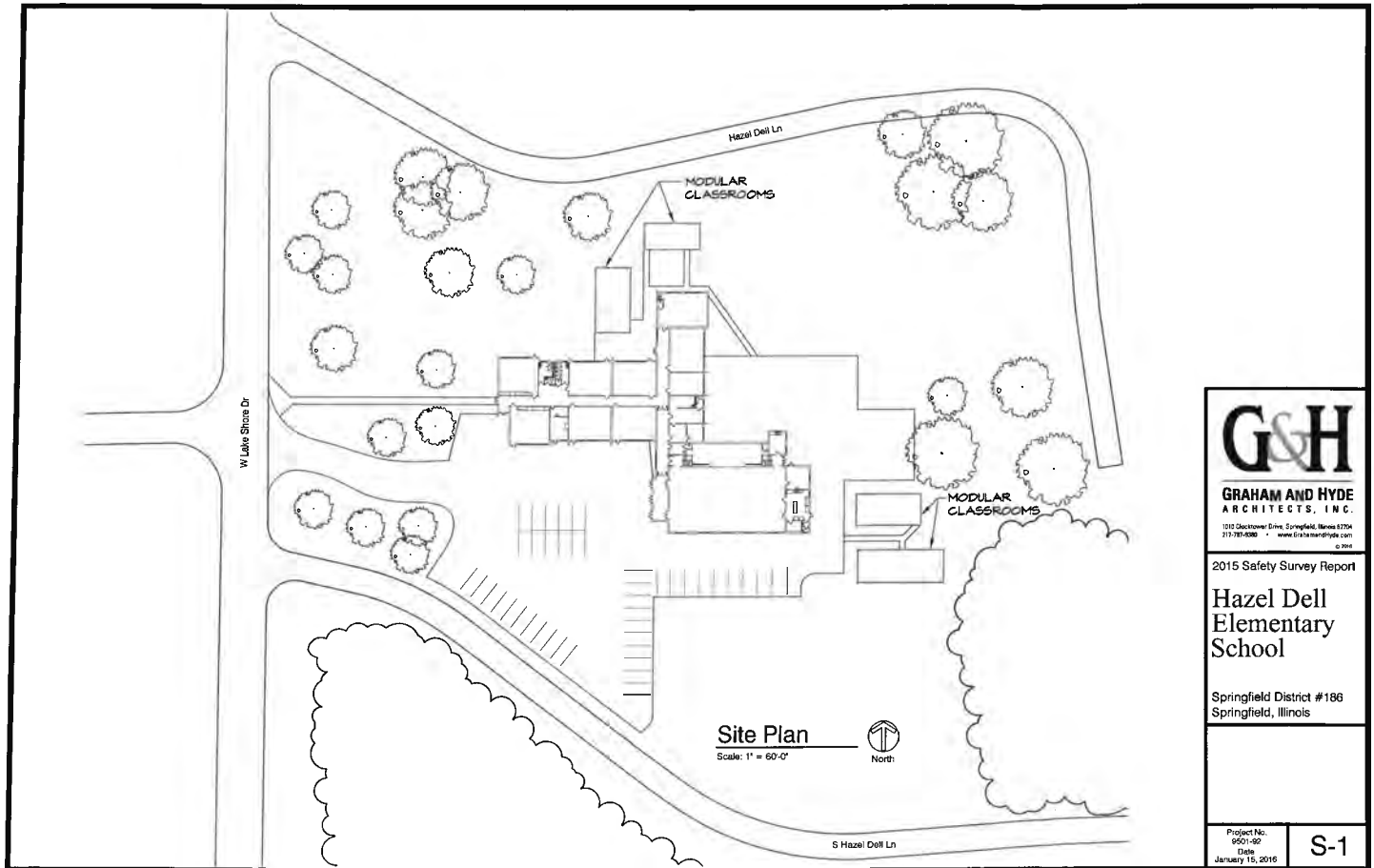
Laketown Elementary School

Springfield District #186
 Springfield, Illinois

Project No. 9501-92
 Date: January 15, 2016

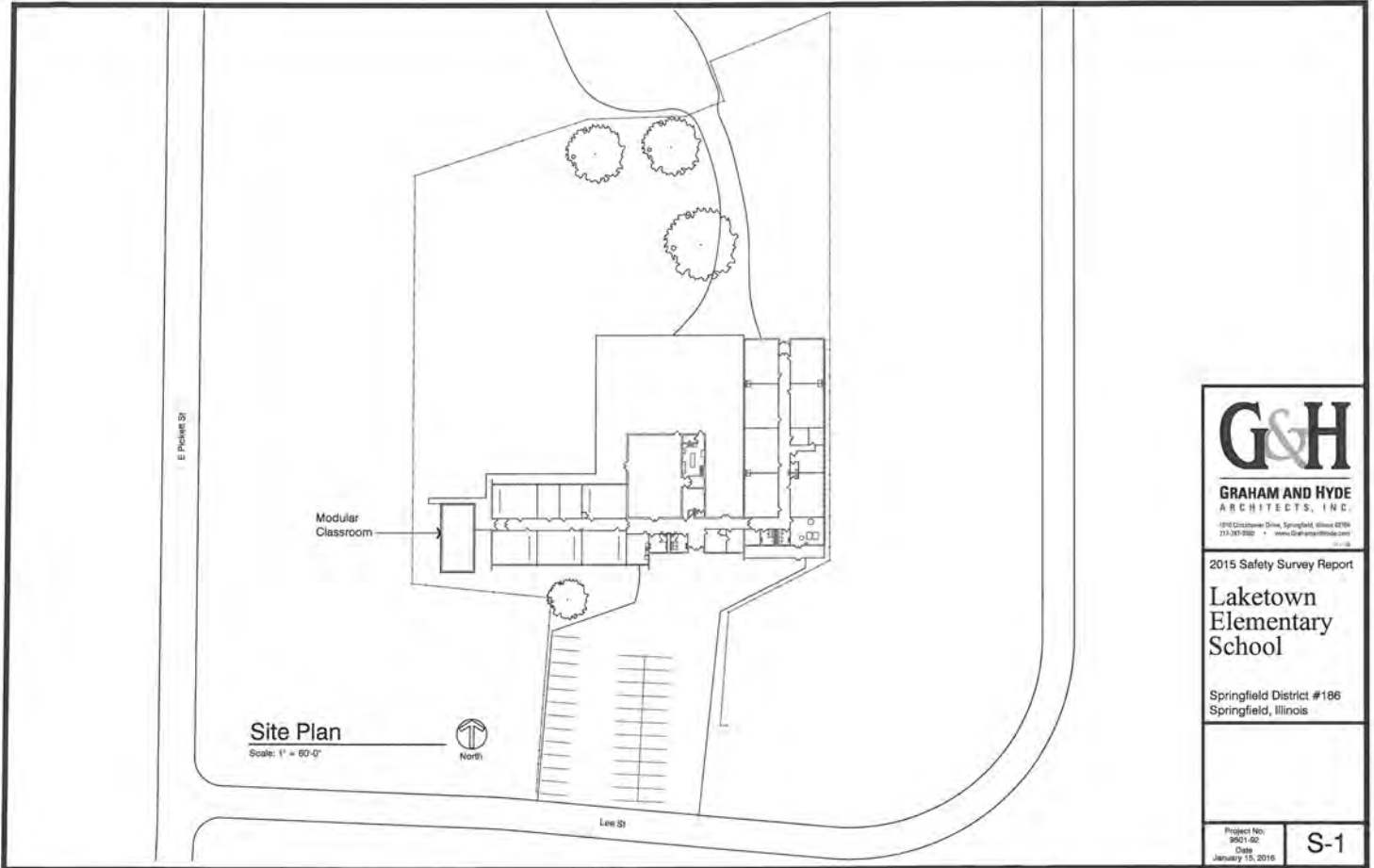
1

EXISTING CONDITIONS: SITE PLAN 10.1



G&H GRAHAM AND HYDE ARCHITECTS, INC. <small>1010 Chestnut Drive, Springfield, Illinois 62754 217-787-0300 • www.grahamandhyde.com</small>	
2015 Safety Survey Report	
Hazel Dell Elementary School	
Springfield District #186 Springfield, Illinois	
Project No. 6501-92 Date January 15, 2016	S-1

EXISTING CONDITIONS: SITE PLAN 10.1



G&H GRAHAM AND HYDE ARCHITECTS, INC. <small>1876 Chestnut Drive, Springfield, Illinois 62761 313.397.8900 • www.GrahamHyde.com</small>	
2015 Safety Survey Report	
Laketown Elementary School	
Springfield District #186 Springfield, Illinois	
Project No: 2501.02 Date: January 15, 2016	S-1

SITE ASSESSMENT

SITE TO BE DETERMINED



DISTRICT 186
SPRINGFIELD PUBLIC SCHOOLS

TRANSFER PACKAGE #11

NEW ELEMENTARY SCHOOL
REPLACEMENT OF OWEN MARSH

**OUR SCHOOLS
OUR FUTURE**

FACILITIES MASTER PLAN, PHASE 1 2020
(REVISED OCTOBER 2020)

PROJECT MANAGEMENT TEAM

BLDD Architects

IDG Architects

O'Shea Builders

CJP Architects

Vasconcelles Engineering

Hanson Engineering

CONTENTS

11.1 New Elementary School

Project Summary.....	11.1-1
Building Programs.....	11.1-3
Project Budget.....	11.1-5
Design Intent	
Design & Scope Diagrams	11.1-6
Project Schedule	11.1-13
Existing Conditions	
Floor Plans.....	11.1-14
Site Plans	11.1-15
Site Assessment.....	11.1-17

PROJECT SUMMARY 11.1

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

OWEN MARSH ELEMENTARY SCHOOL

Grades: K-5 Enrollment: 295 No. of Strands: 2
Address: 1100 Avon Dr. Springfield, IL 62704
Year of original construction: 1966
Building additions: 1969



Replace the current Owen Marsh Elementary School with a 325 student future-focused K-5 school that will support current and future educational needs of students through evidence-based and flexible design features, including:

Design Intent

- Provide educational delivery spaces with flexible and future focused classroom space. Integrate technology and furnishings to allow multiple teaching and learning approaches to be deployed to support the curriculum and staff needs. Utilize operable walls and mobile furnishings to allow teaming and adaptive environments for current and future needs.
- Create student engagement zones with social and emotional support spaces through-out the facility that allow alternative learning spaces for faculty and students to utilize, open collaboration commons, learning commons, and break out spaces.
- Encourage faculty collaboration by including multiple faculty support spaces and meeting rooms to allow team and departmental coordination.
- Improve school security with secure entry areas, and separated parking and circulation on the site.
- Create large gathering spaces for safe, efficient, and effective dining and pre-function and post function hosting during events.
- Provide space for community use and fitness programs.
- Create the opportunity for performances in the facility.
- New school to be built on the existing site. The existing building will be retired.

Project Specific Recommendations

Site

- Develop clear site circulation for student parking, visitor access, bus drop-off, staff parking, and event parking.
- Utilize the architecture to create a clear point of entry to the secure vestibule.

Building Construction

- Provide aesthetic that is stimulating yet suited to the neighborhood and community it serves.
- Utilize masonry, stone, metal panel, precast and glazing systems to create a unique aesthetic that represents the new programs housed within.
- Minimize the building footprint and create a sense of importance by utilizing 2-story construction.
- Create floor, paint, and ceiling finishes with products from the district standards that create a stimulating interior environment.
- Provide signage and wayfinding to create a cohesive visitor and student experience.
- Allow future additions and renovations to be accommodated in future phases

MEP

- Extend and improve electrical service with to a sub panel for distribution to additions.
- Provide current HVAC systems and provide air conditioning and proper ventilation
- Provide Fire Alarm, Fire Protection

Technology

- Provide security, data networks, Wi-Fi network, telecom, bell and paging systems.

Construction Delivery Method: This project is to be constructed via Design-Bid-Build.

PROJECT SUMMARY 11.1

Design Considerations

All educational facilities should include design considerations that facilitate educational delivery and mitigate the transmission of infectious diseases during a public health emergency.

These considerations should include the following topics at a minimum:

School Nurse Facilities

Provide at a minimum provide access to dedicated handwashing and toilet facilities adjacent to the cot and office areas. If possible, locate Nurse office/cot space adjacent to spaces that can be converted to isolation or additional cot space during a contagious event. These adjacent spaces like all nursing spaces should allow for easy sanitizing and when possible should have direct access to a public exit to prevent contamination of adjacent areas. Design space to allow access to medication and supplies without cross-contamination cot space or areas used for isolation.

Interior Surfaces

Select and specify surface materials and details that facilitate cleaning and reduce the potential transmission of viral, bacterial, fungal, and other contagions.

Circulation

Designs should allow for safe travel throughout the building with minimal contact. The design of commons areas, lobbies, corridors, and other primary arteries of circulation is to be evaluated for their ability to accommodate the need for increased social distancing, one-way traffic flow, and zoning of occupants. Consider the reduction of two-sided locker hallways, narrow corridors that are restricted by solid walls, and designs that increase 1-way travel distances.

Student Storage

Consider design options that eliminate or reduce dedicated student storage, such as lockers, locker commons, etc. that increase travel distances and unnecessary student interaction during passing periods. Consider policy ramifications of decisions when appropriate.

Faculty Space

Create faculty assigned spaces that can allow modifications to reduce the transmission and exposure of infectious diseases. These may include offices and faculty storage, suites of learning environments, or other groups that allow more sharing of space to reduce student travel, remote learning, team teaching, or other modifications.

Increased Flexibility in Facility and Equipment

Design classrooms and shared spaces to allow rooms to grow or shrink to allow different seating layouts and capacities. Strategies may include:

- Increase views to adjacent spaces to allow the monitoring of students beyond the classroom.
- Limit fixed casework to increase wall surfaces for additional operable walls, windows, and doors to allow shared access.
- Reduce small, dedicated, but limited-use spaces that reduce adaptability.
- Limit fixed shelving and equipment placement to the perimeter of large spaces, such as libraries, commons, specialty labs, etc. to allow them to be reconfigurable for additional capacity.
- Consider alternatives to fixed seating in auditoriums, theaters, and cafeterias to allow different uses.
- Include integrated and flexible open learning spaces along primary circulation paths to allow education spaces to expand or traffic circulation changes.
- Maximize the use of operable walls.
- Increase the ability to distance users within athletic facilities, including locker areas and training spaces.

Exterior Considerations

Allow for additional screening cueing at all main entries. Develop outdoor classroom areas that can extend the building's capacity. Provide shelter and the ability to deploy portable heating and cooling equipment to extend usability.

Food Service

Increase access to handwashing stations in dining areas, allow for grab and go service, reduce lines and cueing, select easily washable/cleanable furniture, and accommodate for capacity changes.

Hygiene

Consider additional handwashing and sanitizing stations throughout the facility. Consider additional gender-neutral toilet room designs to allow greater capacity during more frequent cleaning and sanitizing of toilet facilities.

Mechanical Systems

Consider additional indoor air filtration, air exchanges, and zoning to minimize exposure to air-borne infections. Employ dedicated outdoor air or small group zoning strategies to minimize facility-wide exposure. Utilize system designs that encourage good maintenance procedures by making future access uniform and convenient. Increase the quality of filtration systems and air quality monitoring systems. Integrate the latest guidance by ASHRAE for educational facilities, including any supplemental guidance, such as guidance for the safe reopening of schools.

(REVISED OCTOBER 2020)

BUILDING PROGRAM (FULL) 11.1

2 Strand Template - Owen Marsh

	New Spaces Required	Sq Ft	QTY	Total Sq Ft	COMMENTS
CORE EDUCATIONAL ENVIRONMENTS (CLASSROOMS)					
Classroom- Kindergarten Classroom		1050	2	2100	
Kindergarten Toilet (adjacent to classroom)		45	2	90	
Classroom- First Grade		900	2	1800	
First Grade Toilet (adjacent to classroom)		45	2	90	
Classroom- Second Grade		900	2	1800	
Classroom- Third Grade		900	2	1800	
Classroom- Fourth Grade		900	2	1800	
Classroom- Fifth Grade		900	2	1800	
Reading Classroom		500	1	500	
Literacy Classroom		300	1	300	
ESL (English as a Second Language) Classroom		400	1	400	
FINE AND APPLIED ARTS/ PERFORMANCE SPACES					
Art Studio		900	1	900	
Art Storage		150	1	150	
Music Room		900	1	900	
Music Storage		200	1	200	
Auditorium with Stage (Small)		800	1	800	
MEDIA CENTER/ LIBRARY SERVICES/ DISTANCE LEARNING LABS					
Media Center/ Library		1400	1	1400	
Media Center/ Library Storage		200	1	200	
Media Center/ Library Office		100	1	100	
Media Center/ Library Workroom		150	1	150	
Technology/IT Storage		200	1	200	
PHYSICAL EDUCATION/ ATHLETIC FACILITIES (INSIDE AND OUTSIDE, SUPPORT SPACES FOR COACHES/					
PE Gymnasium		6000	1	6000	
Physical Education Storage- Indoor equipment		400	1	400	
Physical Education Office		120	1	120	
SPACES FOR STUDENTS WITH SPECIAL NEEDS (CLASSROOMS, SMALL LEARNING AREAS)					
Special Education- Large Classroom		500	2	1000	
Resource Room (Large)		300	2	600	
Speech Classroom		125	1	125	
Occupational and Physical Therapy Room		150	1	150	
Office- SSS (Student Support Services)		100	1	100	
Office- Children's MOSAIC Project (Community Social Work)		100	1	100	
Special Needs Single User Toilet (Changing)		125	1	125	
RECEPTION/ LOBBY/ WELCOMING SPACE					
Lobby/Welcoming area		150	1	150	
Waiting Area		150	1	150	
Reception (General Office/Admin Assistant/Secretary)		350	1	350	
ADMINISTRATIVE SPACES (OFFICES, CONFERENCE ROOMS)					
Office- Principal		175	1	175	
Conference/ Meeting Room		175	1	175	
Work Room- Administrative		200	1	200	
Storage- Secure File		100	1	100	
Storage- General Administrative		100	1	100	
Faculty Dedicated Single User Toilet (office area)		75	1	75	
Office- General (Admin / PA / Intern / Other)		100	1	100	
Office- Social Worker		125	1	125	

BUILDING PROGRAM (FULL) 11.1

2 Strand Template - Owen Marsh

	New Spaces Required	Sq Ft	QTY	Total Sq Ft	COMMENTS
FACULTY SUPPORT/ WORK SPACES					
Faculty Work Room (Large)		500	1	500	
Faculty Lounge Room (Large)		350	1	350	
Faculty Dedicated Single User Toilet		75	2	150	
Storage (Books)		200	1	200	
Conference/Meeting Room		500	1	500	
HEALTH SERVICES					
Nurse Office		100	1	100	
Nurse (cot/bed space)		80	1	80	
Nurse Storage		8	1	8	
Nurse Dedicated Single User Toilet		75	1	75	
Health Services Space (vision/hearing)		10	1	10	
DINING AND FOOD SERVICE					
Multi-Purpose/Cafeteria Commons		2500	1	2500	
Multi-Purpose/Cafeteria Commons Storage		200	1	200	
Food Service Kitchen		1500	1	1500	
Food Service Storage		350	1	350	
Receiving		50	1	50	
COMMUNITY SPACES					
Multi-Purpose/ Community Room (Small)		400	1	400	
Office- Parent Educator		100	1	100	
Project SCOPE- After-School Program Storage		200	2	400	
F.A.C.E Family and Community Engagement- Storage		200	1	200	
BUILDING SERVICES/ FACILITIES MANAGEMENT					
Custodians' Closets		25	2	50	
Maintenance Central Storage		300	1	300	
Maintenance/Custodians' Office		100	1	100	
Laundry Room		100	1	100	
OTHER					
Toilet- Men		350	2	700	
Toilet- Women		350	2	700	
				Standard Sq Ft	
				37,523	NET SQUARE FOOTAGE
		3%		1,126	Mechanical @ 3% of Net
		25%		9,381	Circulation, walls, etc @ 25% of Net
				48,029	GROSS SQUARE FOOTAGE
2 sections for up to 300 students		300		160	sf/student

PROJECT BUDGET 11.1

Transfer Package #11 New Owen Marsh Springfield School District 186

July 7, 2020

CONSTRUCTION BUDGET				\$15,886,694
SCOPE				\$13,990,000
New Construction	48000 sf	255	\$12,240,000	
Site Work			\$1,500,000	
Demolition			\$250,000	
CONTINGENCY				\$1,896,694
Design Contingency	5%		\$699,500	
Bidding Contingency	5%		\$734,475	
Construction Contingency	3%		\$462,719	
SOFT COSTS				\$2,038,098
SITE ACQUISITION AND EVALUATION				\$27,500
Land Purchase				
Topographical Survey			\$15,000	
Geotechnical Survey			\$12,500	
FEES AND SERVICES				\$1,260,598
Architect/ Engineering Design Fees	7.49%		\$1,120,598	
Interior Design Fees			\$45,000	
Food Service Consultant			\$15,000	
Theater, Lighting & Rigging Design Consultant				
Acoustical/Audio/Video Design Consultant				
Technology Design Services			\$30,000	
Reimbursable Expenses			\$50,000	
OTHER COSTS				\$750,000
Technology, Telecom, Security			\$300,000	
Furnishings, Fixtures, Equipment			\$450,000	
Abatement				

PROJECT BUDGET

\$17,924,792

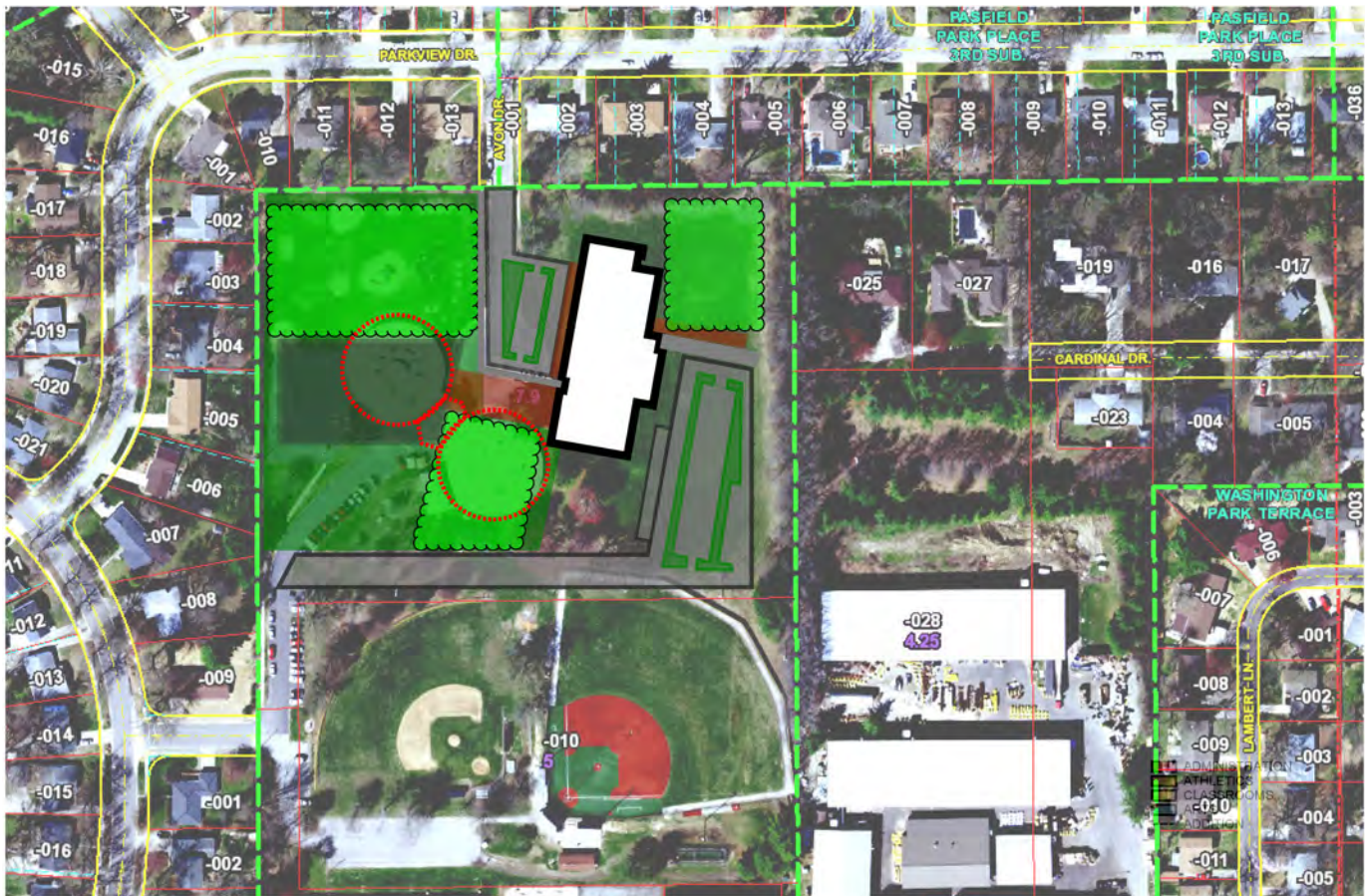
PROJECT BUDGET - Escalated

3%

2024

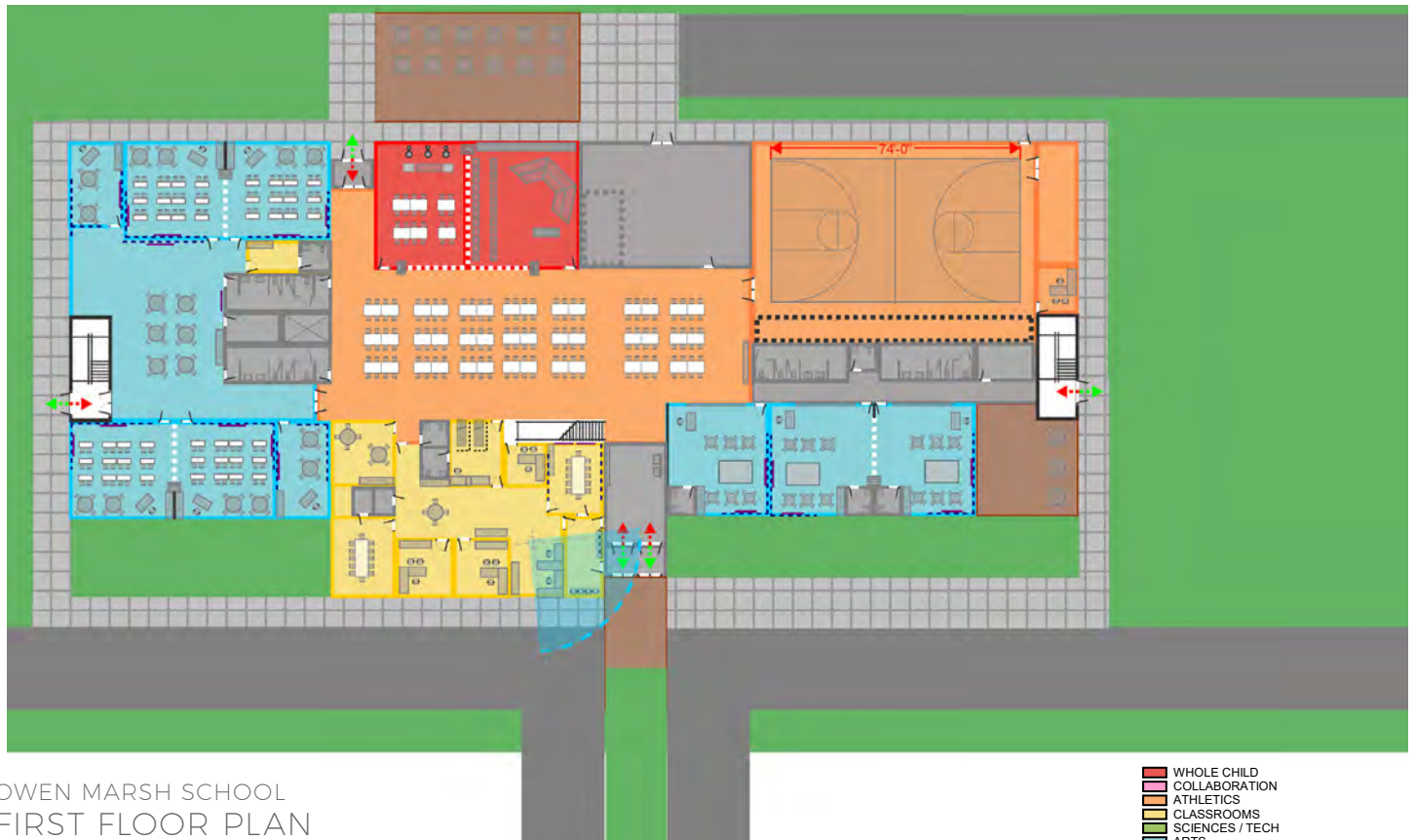
\$20,174,512

DESIGN DIAGRAM 11.1

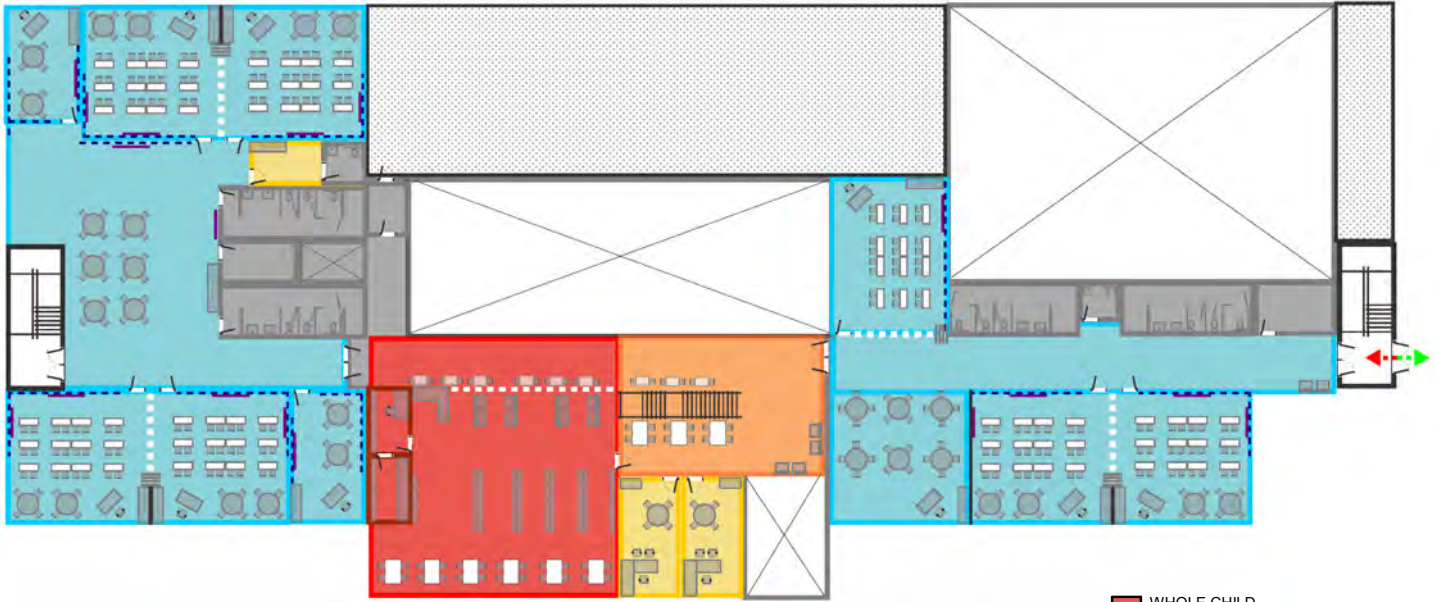


OWEN MARSH SCHOOL - SITE PLAN

DESIGN DIAGRAM 11.1



DESIGN DIAGRAM 11.1

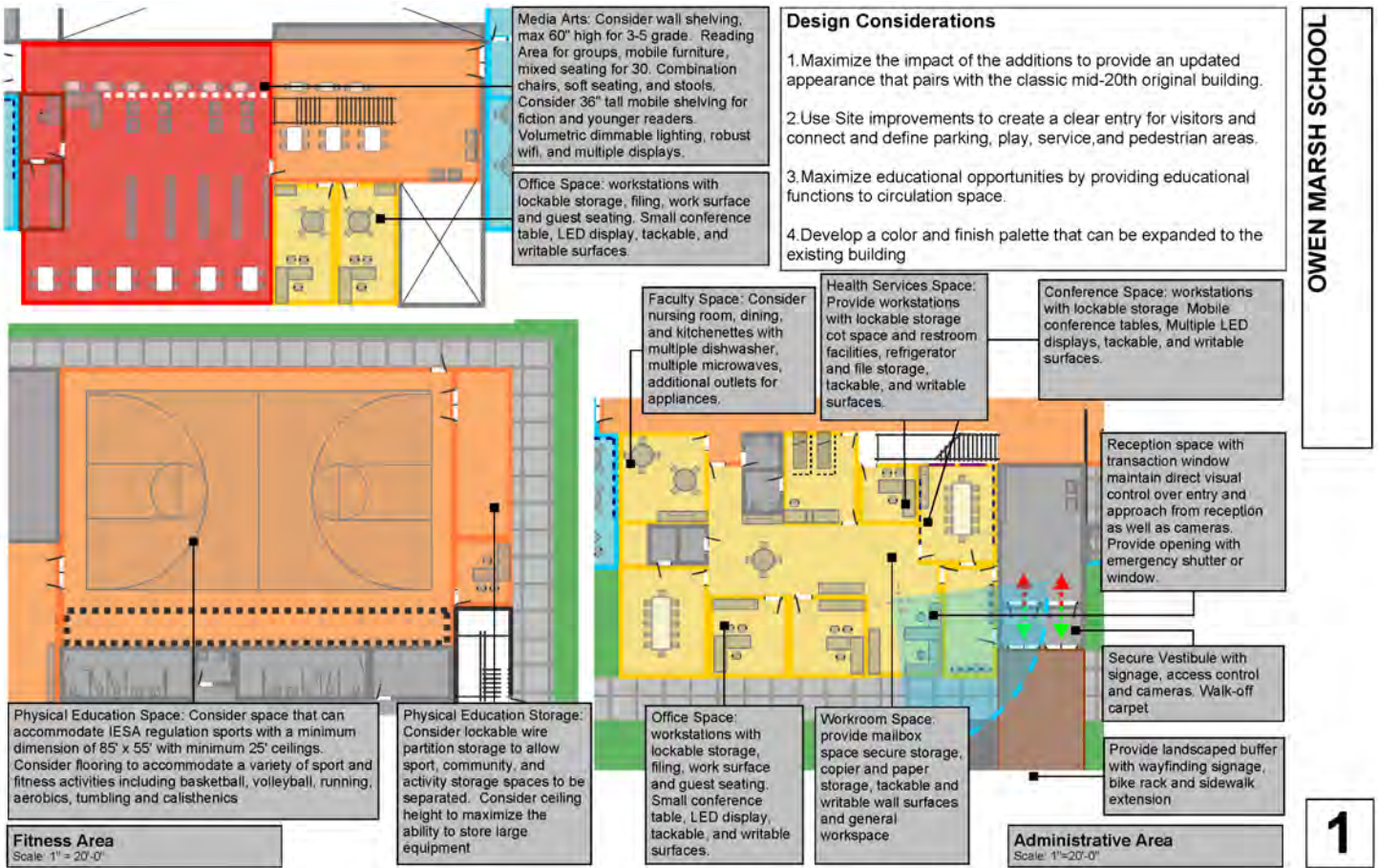


OWEN MARSH SCHOOL
SECOND FLOOR PLAN

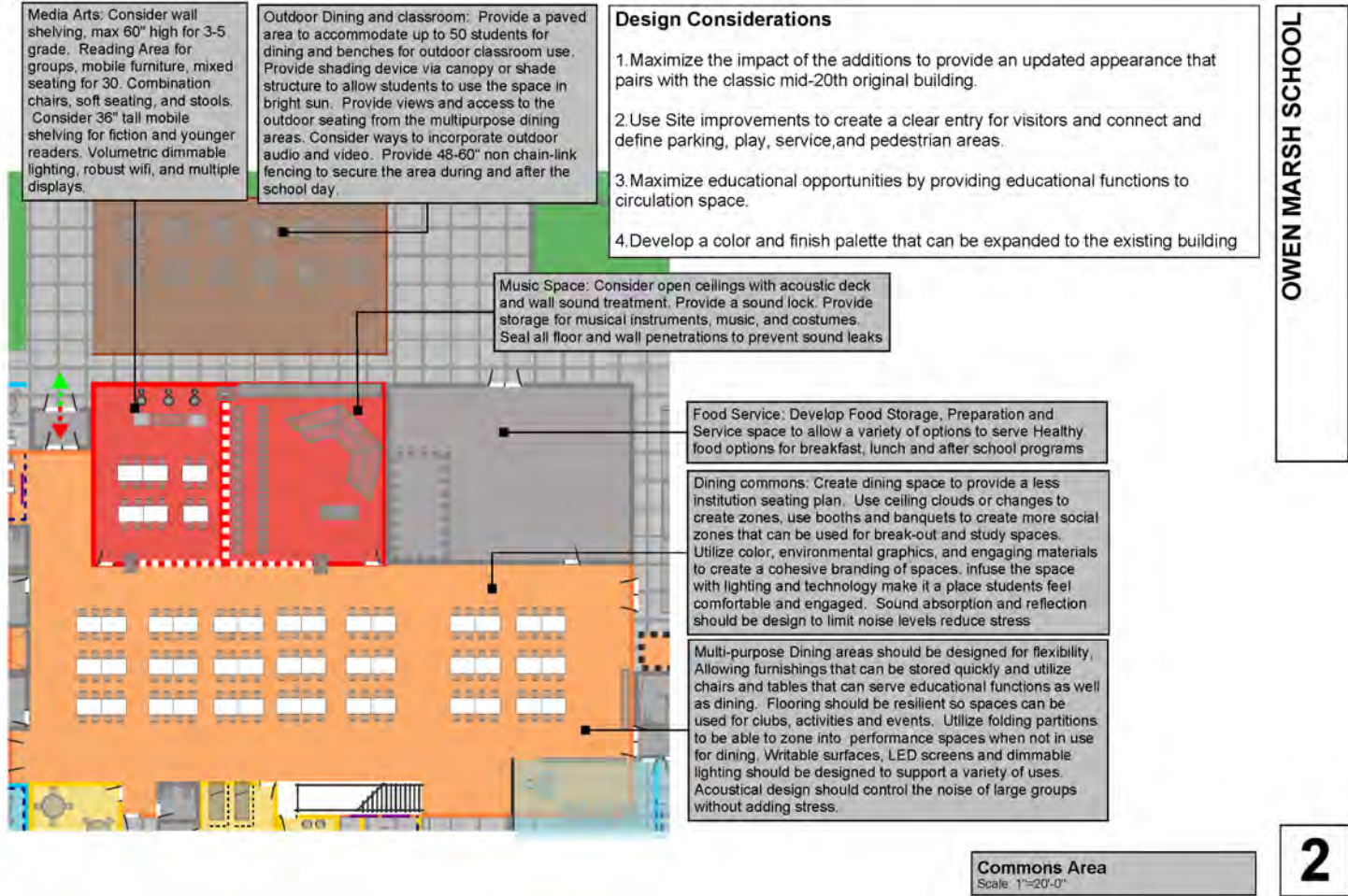
- WHOLE CHILD
- COLLABORATION
- ATHLETICS
- CLASSROOMS
- SCIENCES / TECH
- ARTS
- FOOD SERVICE
- - - DEMOLITION
- - - ADDITION
- ← ← CIRCULATION



SCOPE DIAGRAM 11.1

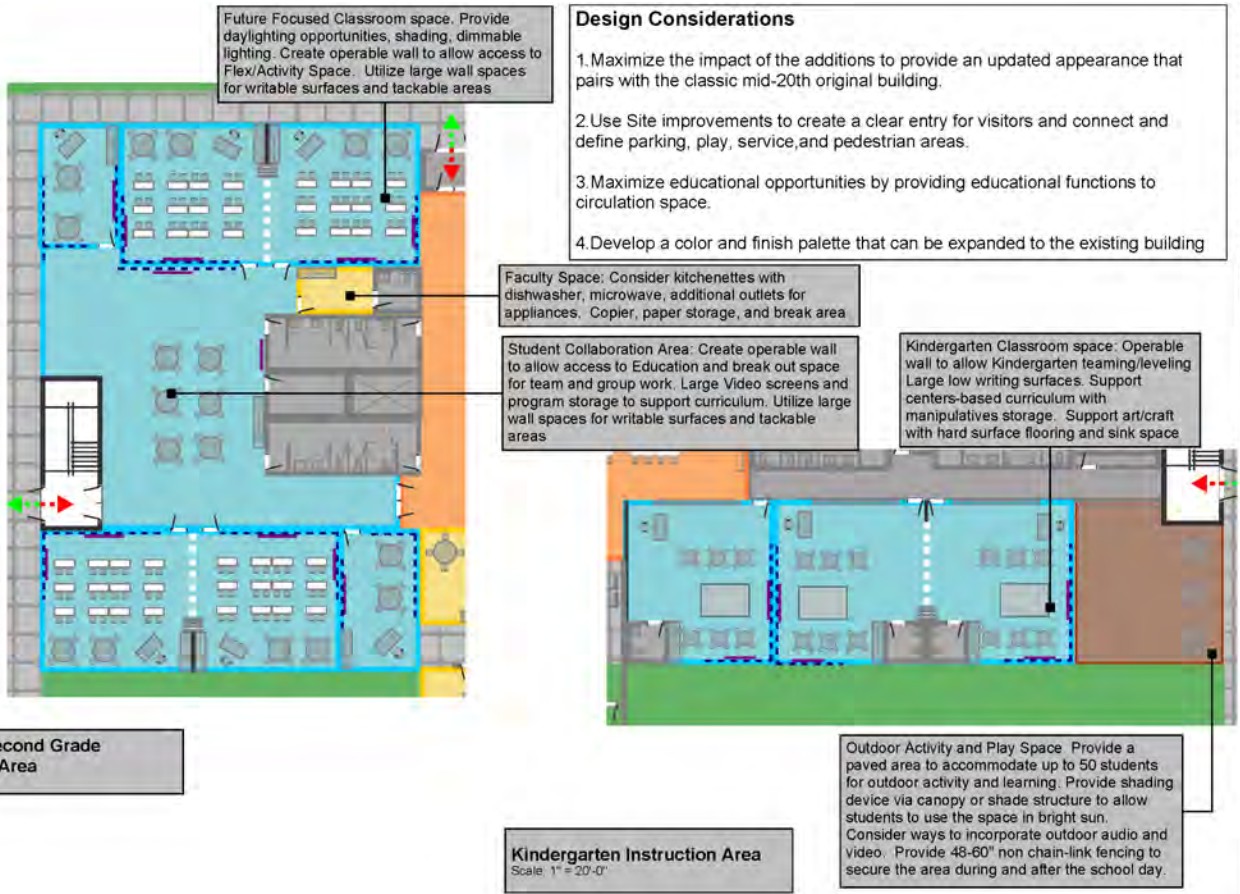


SCOPE DIAGRAM 11.1



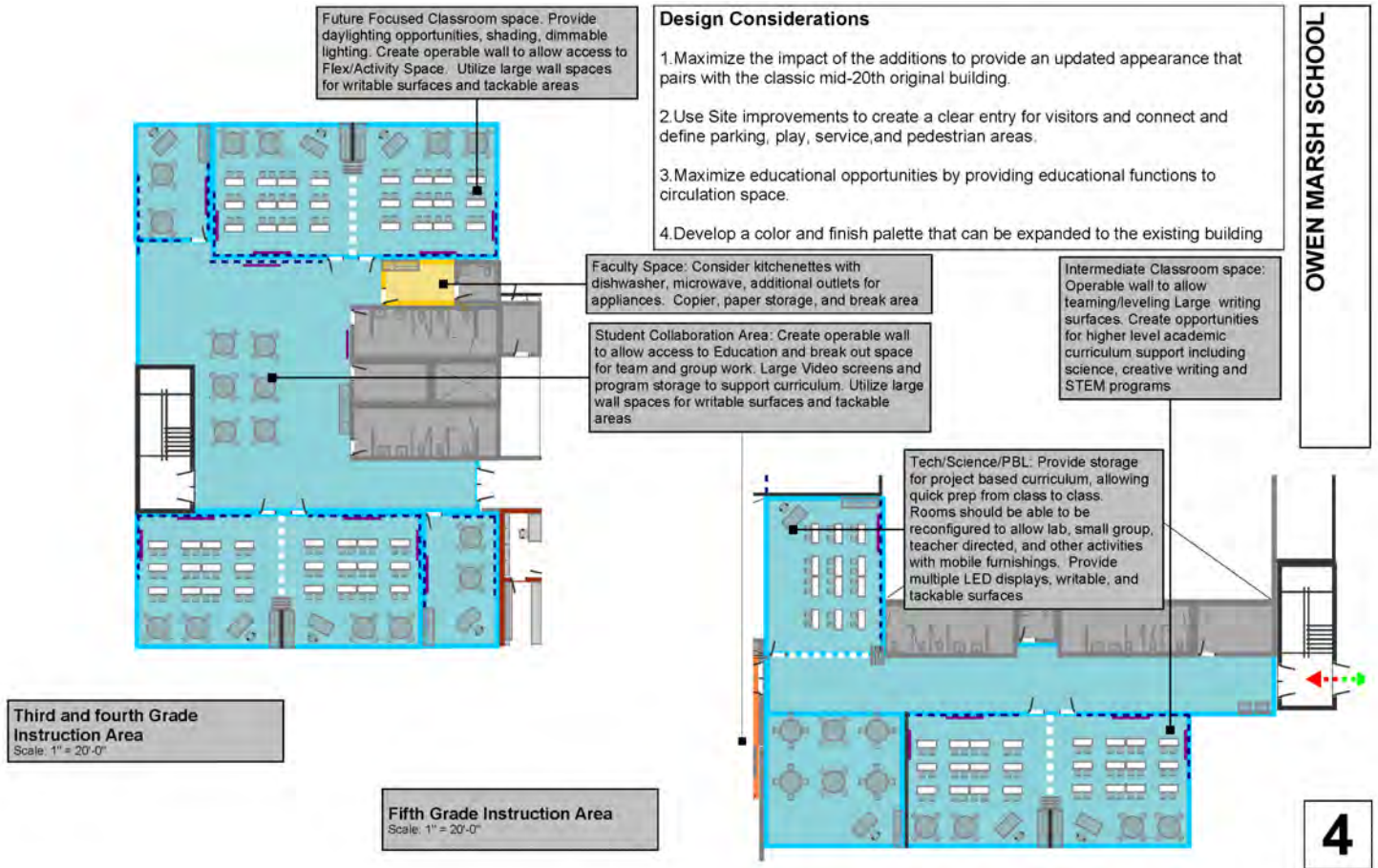
SCOPE DIAGRAM 11.1

OWEN MARSH SCHOOL

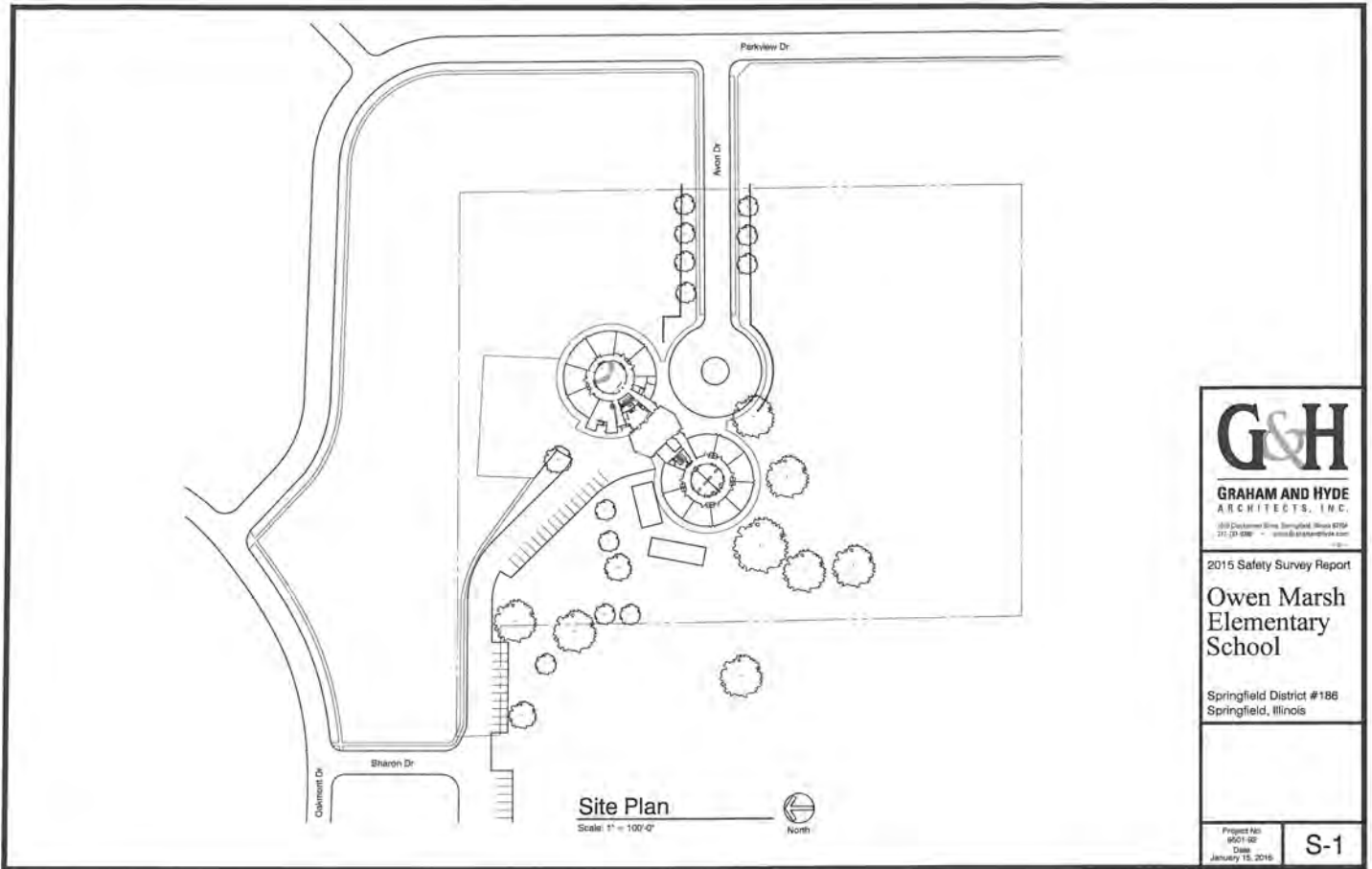


3

SCOPE DIAGRAM 11.1



EXISTING CONDITIONS: SITE PLAN 11.1



SPRINGFIELD
DISTRICT 186 SCHOOLS
OWEN MARSH
SITE ASSESSMENT
JUNE 2020

OWEN MARSH ELEMENTARY SCHOOL

- I. GENERAL
 - A new school will be constructed adjacent to the existing school and then the existing school will be demolished.
 - An e-mail from the Illinois Department of Natural Resources, noted their review of the Illinois Natural Heritage Database contained no record of State-listed threatened or endangered species, natural area inventory sites, nature preserves, or land and water reserves in the vicinity of this school.
 - Vasconcelles Engineering Corporation (VEC) submitted a letter to the Illinois Historic Preservation Agency (IHPA). As of June 19, 2020, we have not received any correspondence. (see attached letter)
- II. ZONING
 - The zoning for Owen Marsh Elementary School is R-1. Most of the surrounding parcels are also zoned R-1. There is a parcel of property to the southeast which is zoned I-1
 - Front yard setback = 30'; side yard setback = 5', total of both side yards has to equal 15'; rear yard = 20'.
- III. DRAINAGE
 - Drainage of the area is generally away from the building toward the streets.
- IV. SEWERS
 - There is a 10" sanitary sewer line which runs on the west and north side of the school property.
- V. ELECTRIC
 - Electric service for the main school building is from an overhead line coming in from the southwest part of the building.
- VI. GAS
 - There is a 2" gas main running to the school from the north, it located on the west side of Avon Drive.
- VII. WATER
 - There is a 6" water main that comes down Avon Drive and turns west on the north side of the school and then runs along the west side of the school.
- VIII. DETENTION
 - Detention will be required. The proposed condition 10-year and 100-year frequency release rates are typically required to be no greater than the existing condition 10-year and 100-year frequency flow rates to the storm sewer or waterway.
- IX. UNDERMINING
 - The school property is located in an underground mine region.

X. EXTERNAL FLOOD

- The school property is not depicted in a special flood hazard area on a Flood Insurance Rate Map as there is not a special flood hazard area in the vicinity of the school.

XI. GEOTHERMAL

- There is no geothermal field for this school.

AERIAL 2018-10-16



PARCELS



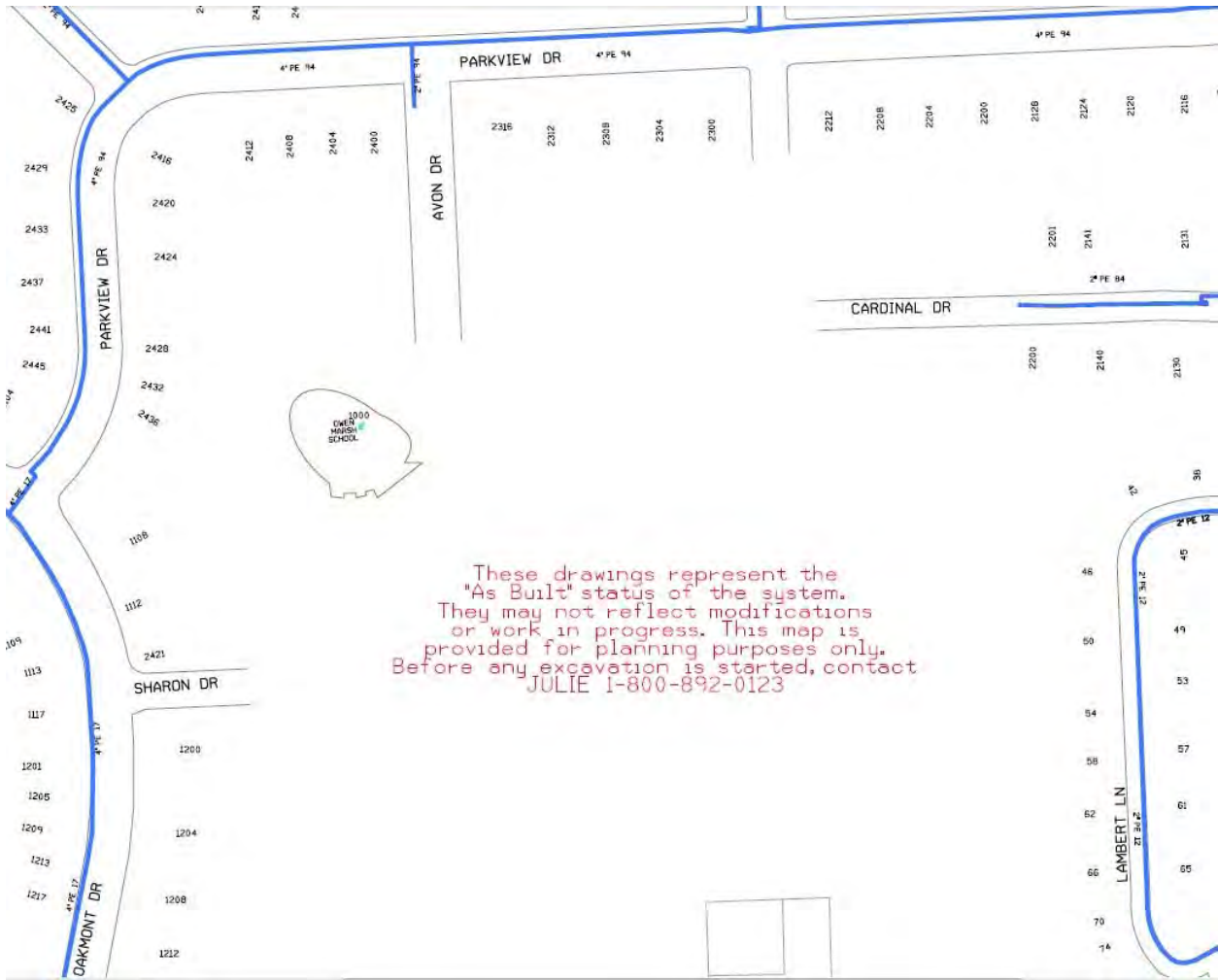
2007 CONTOURS



SEWER MAP



GAS MAP

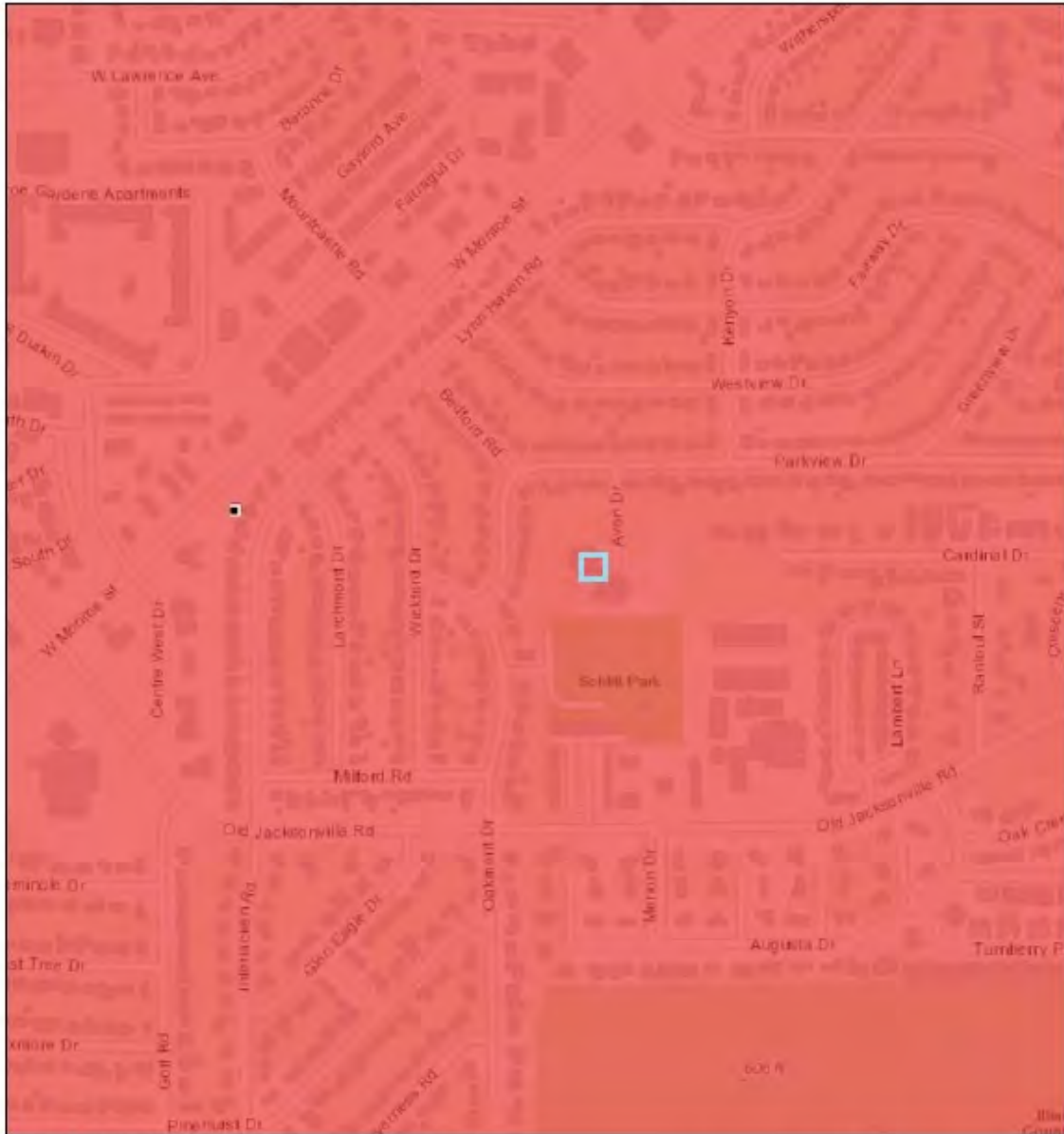


WATER MAP










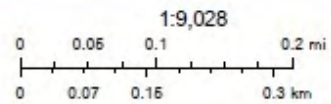
UNDERGROUND MINE MAP

Illinois State Geological Survey -- ILMINES



10/3/2019 1:13:30 PM

- | | |
|--|--|
|  Underground Mine Buffer Region |  Indefinite Underground Mine Boundary |
|  Non Coal Mines |  Surface |
| Underground Coal Mines |  Non Coal Mine Shaft |
|  Underground |  Coal Mine Shaft |



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Illinois State Geological Survey -- ILMINES
Prairie Research Institute, University of Illinois

FLOOD INSURANCE RATE MAP

National Flood Hazard Layer FIRMette



Legend

SEEKS REPORT FOR DETAILED LEGEND AND FOOTNOTES FOR FIRM PANELS ONLY

SPECIAL FLOOD HAZARD AREAS	<ul style="list-style-type: none"> Without Basic Flood Elevation (BFE) Zone A19, A20 With BFE Depth Zone A1, A2, A3, A4, A5, A6, A7 Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD	<ul style="list-style-type: none"> 0.2% Annual Chance Flood Hazard, Areas of 1% Annual Chance Flood with average depth less than one foot or with average areas of less than one square mile. Zone X Future Conditions 1% Annual Chance Flood Hazard. Zone X Area with Reduced Flood Risk due to Lower Flood Protection Levels. See Notes. Zone X Area with Flood Risk due to Lower Flood Protection Levels. Zone X
OTHER AREAS	<ul style="list-style-type: none"> Area of Minimal Flood Hazard. Zone X Effective 10 MRA Area of Unincorporated Flood Hazard. Zone X
GENERAL STRUCTURES	<ul style="list-style-type: none"> Channel, Outfall, or Storm Sewer Levee, Dam, or Floodwall
OTHER FEATURES	<ul style="list-style-type: none"> Cross Sections with 1% Annual Chance Water Surface Elevation Channel Transition Basic Flood Elevation Line (BFE) Line of Study Jurisdiction Boundary Channel Transition Baseline Profile Baseline Hydrographic Feature
MAP PANELS	<ul style="list-style-type: none"> Digital Data Available No Digital Data Available Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is the valid as described below. The boundary shown complies with FEMA's base map accuracy standards.

The flood hazard information is derived directly from the authoritative NFI web services provided by FEMA. This map was updated on 8/2/2020 at 9:50 AM, and therefore reflects changes or amendments subsequent to this date and time. The NFI and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: base map imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unincorporated and unincorporated areas cannot be used for regulatory purposes.

Applicant: Vasconcelles Engineering Corp
Contact: Steve Kuper
Address: 2417 West White Oaks Dr.
Springfield, IL 62704

IDNR Project Number: 2003200
Date: 09/26/2019

Project: Owen Marsh Elementary School
Address: 1100 Avon Drive, Springfield

Description: Building Addition

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database contains no record of State-listed threatened or endangered species, Illinois Natural Area Inventory sites, dedicated Illinois Nature Preserves, or registered Land and Water Reserves in the vicinity of the project location.

Consultation is terminated. This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary. Termination does not imply IDNR's authorization or endorsement.

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Sangamon

Township, Range, Section:
16N, 5W, 31



IL Department of Natural Resources

Contact

Brian Willard
217-785-5500
Division of Ecosystems & Environment

Government Jurisdiction

IL Environmental Protection Agency
Amy L. Dragovich, P.E.
1021 North Grand Ave. East
P.O. Box 19276
Springfield, Illinois 62701

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.

2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.

3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

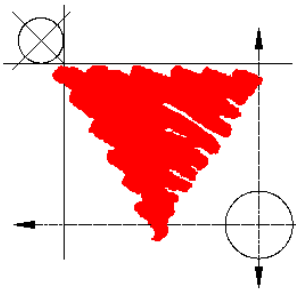
Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.



vasconcelles

engineering corporation

Principals

James Vasconcelles
Mark Vasconcelles, P.E.
Shayla Pfaffe, P.L.S.
Trent Dalton
Steve Kuper
Wendi Wallner

June 19, 2020

Illinois State Historic Preservation Agency
Attn: Review and Compliance/Old State Capitol
One Old State Capitol Plaza
Springfield, IL 62701

RE: Owen Marsh Elementary School, Springfield, IL

To whom it may concert:

The Springfield Public Schools are planning to construct a new school to replace the existing Owen Marsh Elementary School, 1100 Avon Drive, Springfield, IL. The new school will be adjacent to the existing school and then the existing school will be demolished. Enclosed is a general location map to assist you in understanding the location of the proposed addition.

We will be filling out the Notice of Intent for the Illinois Environmental Protection Agency NPDES permit and wanted to consult your office in regards to Historic Preservation.

I am requesting your review of this information. If you have any questions or need additional information, please feel free to contact me.

Sincerely,

VASCONCELLES ENGINEERING CORPORATION

Consulting Engineers

Springfield Office
2417 West White
Oaks Drive
Springfield, IL 62704

217.698.3114
Fax 217-698-3115

1.800.727.4VEC

E-mail
vec@vasconcelles.com

Steven D. Kuper

Enclosure

sdk
677-191



DISTRICT 186
SPRINGFIELD PUBLIC SCHOOLS

TRANSFER PACKAGE #14

SPRINGFIELD HIGH SCHOOL

OUR SCHOOLS
OUR FUTURE

FACILITIES MASTER PLAN, PHASE 1 2020
(REVISED OCTOBER 2020)

PROJECT MANAGEMENT TEAM

BLDD Architects

IDG Architects

O'Shea Builders

CJP Architects

Vasconcelles Engineering

Hanson Engineering

CONTENTS

14.1 Springfield High School

Project Summary.....	14.1-1
Building Programs.....	14.1-4
Project Budget.....	14.1-8
Design Intent	
Design & Scope Diagrams.....	14.1-9
HPD/IDNR Plan.....	14.1-28
Project Schedule.....	14.1-44
Existing Conditions	
Floor Plans.....	14.1-45
Site Plan.....	14.1-49
Site Assessment.....	14.1-50

PROJECT SUMMARY 14.1

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

SPRINGFIELD HIGH SCHOOL

Grades: 9–12 Enrollment: 1477
Address: 101 S. Lewis St. Springfield, IL 62704
Year of original construction: 1917
Building additions: 1927, 1936, 1965, 1998



This package includes phased upgrades and additions to the existing facility to provide a future-focused 1,500 student high school, ensuring equitable opportunities and program support for all secondary students in the district. The facility will honor the historical legacy of the building, while supporting the current and future educational needs of students through evidence-based and flexible design.

Design Intent

- Update primary educational delivery spaces with the addition of flexible and future focused classroom spaces. Integrate technology and furnishings to allow multiple teaching and learning approaches to be deployed to support the curriculum and staff needs.
- Improve student engagement zones with social and emotional support spaces through-out the facility that allow alternative learning spaces for faculty and students to utilize, including learning stairs, open collaboration commons, learning commons, and break out spaces.
- Include space for career education and programs that support career training for construction and hands on careers.
- Create an addition to accommodate secure entry locations and to support athletic programs
 - Provide competition space for basketball, volleyball, tennis, wrestling, and other indoor sports. These spaces should be able to accommodate multiple events simultaneously.
 - Provide training and practice facilities for basketball, volleyball, tennis, wrestling baseball, softball, football, track and field, and other indoor sports and activities.
 - Provide training and locker room facilities to support the SHS programs. These shall allow access to the gymnasiums and the provide support for outdoor sports that are remote to campus.
- Improve performing arts spaces with upgrades to the existing auditorium systems and additional backstage areas in an addition.
- Improve school security with an administrative addition, secure entry areas, and improved parking and circulation on the site.
- Create large gathering spaces for safe, efficient, and effective dining and pre-function and post function hosting during events.
- Improve faculty collaboration by including multiple faculty support spaces and meeting rooms to allow team and departmental coordination.
- Improve the internal circulation of the existing building by reducing pinch points and allowing multiple vertical and horizontal paths to all areas.

Project Specific Recommendations

Site

- Develop clear site circulation for student parking, visitor access, bus drop-off, staff parking, and event parking.
- Utilize the additions to create clear points of entry to the secured vestibules.

Building Construction

- Provide aesthetic that is complementary to existing Springfield High School.
- Utilize masonry, stone, precast and glazing systems to blend and enhance the original early 20th Century historic building
- Create floor, paint, and ceiling finishes with products from the district standards that create a historically sympathetic but stimulating interior environment.
- Provide signage and wayfinding to create a cohesive visitor and student experience.
- Allow future additions and renovations to be accommodated in future phases

MEP

- Extend and improve electrical service with to a sub panel for distribution to additions.
- Replace current HVAC systems and provide air conditioning to modernize the physical plant
- Replace Fire Alarm, Fire Protection

Technology

- Replace existing security, data networks, Wi-Fi network, telecom, bell and paging systems.

Health, Life & Safety Implementation

- Work to be coordinated with Darrell Schaver, Director of Operations and Maintenance

Construction Delivery Method

- This project is to be constructed via Construction Manager as Constructor.

Design Considerations

All educational facilities should include design considerations that facilitate educational delivery and mitigate the transmission of infectious diseases during a public health emergency.

These considerations should include the following topics at a minimum:

School Nurse Facilities

Provide at a minimum provide access to dedicated handwashing and toilet facilities adjacent to the cot and office areas. If possible, locate Nurse office/cot space adjacent to spaces that can be converted to isolation or additional cot space during a contagious event. These adjacent spaces like all nursing spaces should allow for easy sanitizing and when possible should have direct access to a public exit to prevent contamination of adjacent areas. Design space to allow access to medication and supplies without cross-contamination cot space or areas used for isolation.

Interior Surfaces

Select and specify surface materials and details that facilitate cleaning and reduce the potential transmission of viral, bacterial, fungal, and other contagions.

Circulation

Designs should allow for safe travel throughout the building with minimal contact. The design of commons areas, lobbies, corridors, and other primary arteries of circulation is to be evaluated for their ability to accommodate the need for increased social distancing, one-way traffic flow, and zoning of occupants. Consider the reduction of two-sided locker hallways, narrow corridors that are restricted by solid walls, and designs that increase 1-way travel distances.

PROJECT SUMMARY 15.1

Student Storage

Consider design options that eliminate or reduce dedicated student storage, such as lockers, locker commons, etc. that increase travel distances and unnecessary student interaction during passing periods. Consider policy ramifications of decisions when appropriate.

Faculty Space

Create faculty assigned spaces that can allow modifications to reduce the transmission and exposure of infectious diseases. These may include offices and faculty storage, suites of learning environments, or other groups that allow more sharing of space to reduce student travel, remote learning, team teaching, or other modifications.

Increased Flexibility in Facility and Equipment

Design classrooms and shared spaces to allow rooms to grow or shrink to allow different seating layouts and capacities. Strategies may include:

- Increase views to adjacent spaces to allow the monitoring of students beyond the classroom.
- Limit fixed casework to increase wall surfaces for additional operable walls, windows, and doors to allow shared access.
- Reduce small, dedicated, but limited-use spaces that reduce adaptability.
- Limit fixed shelving and equipment placement to the perimeter of large spaces, such as libraries, commons, specialty labs, etc. to allow them to be reconfigurable for additional capacity.
- Consider alternatives to fixed seating in auditoriums, theaters, and cafeterias to allow different uses.
- Include integrated and flexible open learning spaces along primary circulation paths to allow education spaces to expand or traffic circulation changes.
- Maximize the use of operable walls.
- Increase the ability to distance users within athletic facilities, including locker areas and training spaces.

Exterior Considerations

Allow for additional screening cueing at all main entries. Develop outdoor classroom areas that can extend the building's capacity. Provide shelter and the ability to deploy portable heating and cooling equipment to extend usability.

Food Service

Increase access to handwashing stations in dining areas, allow for grab and go service, reduce lines and cueing, select easily washable/cleanable furniture, and accommodate for capacity changes.

Hygiene

Consider additional handwashing and sanitizing stations throughout the facility. Consider additional gender-neutral toilet room designs to allow greater capacity during more frequent cleaning and sanitizing of toilet facilities.

Mechanical Systems

Consider additional indoor air filtration, air exchanges, and zoning to minimize exposure to air-borne infections. Employ dedicated out-door air or small group zoning strategies to minimize facility-wide exposure. Utilize system designs that encourage good maintenance procedures by making future access uniform and convenient. Increase the quality of filtration systems and air quality monitoring systems. Integrate the latest guidance by ASHRAE for educational facilities, including any supplemental guidance, such as guidance for the safe reopening of schools.

BUILDING PROGRAM (PHASE 1) 14.1

SpringfieldHighSchool	New Standard Qty	New Standard Sq Ft	Total Standard Sq Ft	Total Space Available for Renovation		Renovaton Type	Total End Result			Phase 1 Affected Spaces	Phase 1 Comments
				Total End Result Qty	Total End Result Sq Ft		Include? (Y/N)	Total Included End Result Sq Ft			
CORE EDUCATIONAL ENVIRONMENTS (CLASSROOMS)	50	6,350	34,600	900			5	2,850	800	X	
Faculty Offices	6	250	1500				2	500	N	X	Repurpose from existing space
Driver's Education	1	750	750	900		Major				X	Available for repurpose
Classroom- AVID (Advancement Via Individual Determination)	1	800	800				1	800		X	
LEARNING LABS (SCIENCE, TECHNOLOGY, MAKER SPACE)	25	11,950	20,400				8	4,250		1,600	X
PLTW Lab/STEAM Lab	1	1600	1600				1	1,600		1,600	X
21ST CENTURY/ PERSONALIZED LEARNING (FLEXIBLE LEARNING SPACES, SMALL GROUP, WHOLE GROUP)	10	3,800	3,800				10	3,800		700	X
Student Locker Commons			0	4,200		Major - Locker Commons					X
Conference/Meeting Room	1	250	250				1	250		250	X
Small Group/Campfire Spaces	1	125	125				1	125		125	X
Individual Work/Cave Spaces	1	75	75				1	75		75	X
Staff Office/Resource/Work Area	1	250	250				1	250		250	X
CAREER AND TECH PREP LABS (CULINARY, BUSINESS, ENGINEERING)	16	10,250	13,000				9	11,000		5,200	X
Culinary Arts/FACS Classroom	1	750	750	1,000		Major		750		750	X
Culinary Arts/FACS Classroom	1	750	750	700		Major		750		750	X
FACS/Business Classroom	2	750	1500	1,875		Major		1,500		1,500	X
Culinary Arts/FACS Lab	2	1800	3600	900		Major	1	1,800		1,800	X
Culinary Arts/FACS Storage	2	200	400	75		Major	1	200		200	X
Culinary Arts/FACS Office	1	200	200	285		Major		200		200	X
FINE AND APPLIED ARTS/ PERFORMANCE SPACES	21	22,530	24,660				13	8,580		-	X
Art Office	1	150	150				1	150	N	-	X
Chorus Room	1	1800	1800				1	1,800	N	-	X
Chorus Storage	1	400	400				1	400	N	-	X
Chorus Office	1	150	150				1	150	N	-	X
Band Room	1	3200	3200				1	3,200	N	-	X
Band Storage (General)	1	400	400				1	400	N	-	X
Band Storage (Instruments)	1	400	400				1	400	N	-	X
Band Storage (Uniforms)	1	400	400				1	400	N	-	X
Band Office	1	150	150				1	150	N	-	X
Practice Room	2	80	160				2	480	N	-	X
Auditorium with Stage (Large)	1	12000	12000								X
MEDIA CENTER/ LIBRARY SERVICES/ DISTANCE LEARNING LABS	8	6,300	6,300	125			4	1,850		-	X
Media Center/ Library Storage	1	200	200	125							X
PHYSICAL EDUCATION/ ATHLETIC FACILITIES (INSIDE AND OUTSIDE, SUPPORT SPACES FOR COACHES/ TEAMS)	18	30,870	31,560				18	31,560		31,560	X
Athletics Locker Room- Men	1	1800	1800	9,360			1	1,800		1,800	X
Athletics Locker Room- Women	1	1800	1800				1	1,800		1,800	X
Coach's Shower	2	75	150				2	150		150	X
Coach's Office	2	115	230				2	230		230	X
Team Room	1	700	700				1	700		700	X
Wrestling Room	1	3000	3000				1	3,000		3,000	X
Gymnasium	1	18000	18000				1	18,000		18,000	X
Junior's Closet	1	70	70				1	70		70	X
Weight Room	1	3000	3000				1	3,000		3,000	X
Men's Bathroom	1	730	730				1	730		730	X
Woman's Bathroom	1	730	730				1	730		730	X
Concession	1	350	350				1	350		350	X
Equipment Storage	2	350	700				2	700		700	X
Storage	2	150	300				2	300		300	X
PE Gymnasium			0	6,940		Major - Band/Chorus					X
PE Locker Room- Men			0	925		Moderate					X
PE Locker Room- Women			0	925		Moderate					X

BUILDING PROGRAM (PHASE 1) 14.1

Storage			0	270	Moderate				X	Remain as current use - moderate renovation
Coach's Office - Women			0	150	Moderate				X	Remain as current use - moderate renovation
Coach's Office - Men			0	150	Moderate				X	Remain as current use - moderate renovation
SPACES FOR STUDENTS WITH SPECIAL NEEDS (CLASSROOMS, SMALL LEARNING AREAS)	26	3,075	10,650	725		10	3,975	750	X	
Special Education- Large Classroom	6	750	4500	725	Major		750		X	Available for repurpose
Occupational and Physical Therapy Room	2	150	300			2	300	N	X	Repurpose from existing space
Student Support Services Space	1	250	250			1	250	N	X	Repurpose from existing space
Special Needs Single User Toilet (Changing)	2	125	250			1	125	N	X	Repurpose from existing space
RECEPTION/ LOBBY/ WELCOMING SPACE	4	875	1,175			3	725	125	X	
Lobby/Welcoming area	2	300	600			2	600	N	X	Repurpose from existing space
Waiting Area	1	125	125			1	125		X	150 sq ft (gross) already allocated in
ADMINISTRATIVE SPACES (OFFICES, CONFERENCE ROOMS)	37	5,515	7,290	1,870		12	2,600	-	X	
Athletic Director Office	1	150	150			1	150	N	X	Repurpose from existing FACS/SPED, Driver's Ed spaces
Mail	1	100	100			1	100	N	X	Repurpose from existing FACS/SPED, Driver's Ed spaces
Work Room- Administrative	1	300	300			1	300	N	X	Repurpose from existing Book Storage
Academic Center	1	300	300			1	300	N	X	Repurpose from existing FACS spaces
Storage- Book Storage	1		0	300	Major				X	Available for repurpose
Office- Safety/Security	1	120	120	240	Major				X	Available for repurpose
Office - Assessment (EPs, 504s)	2	100	200	120	Major				X	Available for repurpose
Office- Dept Chair			0	-					X	
Office- Itinerant Staff (Vision Coordinator, Hearing, Etc.)	4	150	600			3	450	N	X	Repurpose from existing FACS/SPED, Driver's Ed spaces
Office- Guidance Counselor	3	150	450	100	Major	2	300	N	X	Repurpose from existing FACS/SPED, Driver's Ed spaces
College Room (future planning)	1	200	200	650	Major				X	Available for repurpose
Office- Workforce Coordinator	1	100	100	-		1	100	N	X	Repurpose from existing FACS/SPED, Driver's Ed spaces
Office- Attendance and Discipline	1	100	100	400	Major				X	Available for repurpose
Office- Misc. (Freshman, Dept. Chair, etc.)	1	100	100	60	Major				X	Available for repurpose
BBSS	1	600	600			1	600	N	X	Repurpose from existing FACS/SPED, Driver's Ed spaces
School Store	1	300	300			1	300	N	X	Repurpose from existing FACS/SPED, Driver's Ed spaces
FACULTY SUPPORT/ WORK SPACES	8	1,325	3,050			7	2,450	-	X	
Faculty Work Room (Large)	2	600	1200			2	1,200	N	X	Repurpose from existing space
Faculty Lounge Room (Large)	2	600	1200			1	600	N	X	Repurpose from existing space
Faculty Dedicated Single User Toilet	2	75	150			2	150	N	X	Repurpose from existing space
Conference/Meeting Room	2	250	500			2	500	N	X	Repurpose from existing space
HEALTH SERVICES	3	575	575			1	300	-	X	
Nurse (cot/bed space)	1	300	300			1	300	N	X	Repurpose from existing space
DINING AND FOOD SERVICE	8	16,375	16,375	4,125		-	675	-	X	
Multi-Purpose/Cafeteria	1	7500	7500	4,125	Moderate				X	
Multi-Purpose Commons			0						X	Also being used for Community spaces
Food Service Office	1	200	200			1	200	N	X	Repurpose from existing space
Food Service Dedicated Single User Toilet	1	75	75			1	75	N	X	Repurpose from existing space

BUILDING PROGRAM (PHASE 1) 14.1

COMMUNITY SPACES	9	4,250	4,250	-	9	4,250	-	X
Multi-Purpose/ Community Room (Large)	1	1600	1600		1	1,600	N	X
Multi-Purpose/ Community Room (Small)	1	400	400		1	400	N	X
Conference Room- Parent Education	1	200	200		1	200	N	X
Office- Parent Educator	1	100	100		1	100	N	X
F.A.C.E Family and Community Engagement- Space	1	800	800		1	800	N	X
F.A.C.E Family and Community Engagement- Storage	1	200	200		1	200	N	X
F.A.C.E Family and Community Engagement- Office	1	100	100		1	100	N	X
Office- Children's MOSAIC Project (Community Social Work)	1	250	250		1	250	N	X
Community Resource Center	1	600	600		1	600	N	X
BUILDING SERVICES/ FACILITIES MANAGEMENT SPACES	5	1,700	1,700	-	4	1,450	-	X
			179385	25,140	113	80315		40735

Total Standard Gross	Major - Band/Chorus	6,940	Less Net Space to be Repurposed	-	Target
0.71	Major - Locker Commons	4,200	Total Net Sq Ft	40,735	40460
254,447	Major	8,330	Efficiency Factor	0.700	0.7
	Moderate Repurpose	6,545	Total Addition Gross	58,193	57,800
		-	Total Gross Sq Ft	242,137	
			Target Sq Ft	256,100	
			Δ	(13,963)	

Program	Budget	Program Notes
Demo (Gross)	44,429	44500 Demo and rebuild 1927, 1936, and 1965 additions.
Total New Construction (Gross)	58,200	57,800 150 sq ft - new controlled entrance at Southeast end of building. 42,000 - New Field House. 15,560 (7700 + 7950) to replace demoed additions.
Major - Locker Commons		800,000 allocated to renovate 4200 sf locker commons.
Major - Band/Chorus	6,940	15,650 Repurposing existing (old) gym.
Major Renovation (Net)	8,330	Space in the existing available to repurpose as deficient spaces.
Moderate Renovation (Net)	6,545	149,510 Identified 6500 specifically but all of the building (except the 98 addition) will be moderate renovation. - Historic Renovation of original 1917 building.

Target Enrollment	1500	167	Sq Ft per Student (less field house)
			Important Design Consideration Moderate renovation allows for some wall reconfigurations. Design should look for opportunities to address insufficient size classrooms or lack of flexible spaces through the moderate renovation

BUILDING PROGRAM (PHASE 2) 14.1

	New Standard Qty	New Standard Sq Ft	Total Standard Sq Ft	Total Space Available for Renovation	Renovation Type	Total End Result Qty	Total End Result Sq Ft	Include? (Y/N)	Total Included End Result Sq Ft	Phase 1 Affected Spaces	Phase 1 Comments	Phase 2 Renovation Sq Ft	Phase 2 Addition Sq Ft	Phase 2 Affected Spaces	Phase 2 Comments																																																																																																																
SpringfieldHighSchool																																																																																																																															
CORE EDUCATIONAL ENVIRONMENTS (CLASSROOMS)																																																																																																																															
Classroom - English	14	750	10,500			1	2,850	N	890	X		-	1,450	X																																																																																																																	
Classroom - AVID (Advancement Via Individual Determination)	1	800	800	900		1	800	N				-	800	X																																																																																																																	
LEARNING LABS (SCIENCE, TECHNOLOGY, MAKER SPACE)																																																																																																																															
Science Storage	3	150	150			8	4,250	N	1,600	X		-	2,450	X																																																																																																																	
Chemistry Storage	1	150	150			1	150	N				-	150	X																																																																																																																	
Biology Storage	2	300	600			2	300	N				-	300	X																																																																																																																	
Biotechnology Storage	2	300	600			1	300	N				-	300	X																																																																																																																	
Physics Storage	1	150	150			1	150	N				-	150	X																																																																																																																	
PLTW Labs/TEAM Lab	1	1,600	1,600			1	1,600	N				-	1,600	X																																																																																																																	
21ST CENTURY PERSONALIZED LEARNING (FLEXIBLE LEARNING SPACES, SMALL GROUP, WHOLE GROUP)																																																																																																																															
Student Commons/Collaboration	1	1,200	1,200	4,200		10	3,800	N	700	X		-	3,100	X																																																																																																																	
Student Commons/Collaboration	1	1,200	1,200			1	1,200	N				-	1,200	X																																																																																																																	
Conference/Meeting Room	1	250	250			1	250	N				-	250	X																																																																																																																	
Small Group/Campfire Spaces	1	125	125			1	125	N				-	125	X																																																																																																																	
Individual Work/Cave Spaces	1	75	75			1	75	N				-	75	X																																																																																																																	
Staff Office/Resource/Work Area	1	250	250			1	250	N				-	250	X																																																																																																																	
CAREER AND TECH PREP LABS (CULINARY, BUSINESS)																																																																																																																															
Shop Classroom	1	750	750	4,835		9	11,000	N	5,200	X		-	5,800	X																																																																																																																	
Shop/R&D/Prototype Lab	1	1,800	1,800			1	1,800	N				-	1,800	X																																																																																																																	
Shop Class Storage	1	300	300			1	300	N				-	300	X																																																																																																																	
Shop Class Office	1	100	100			1	100	N				-	100	X																																																																																																																	
Shop Classroom	1	750	750			1	750	N				-	750	X																																																																																																																	
Shop/R&D/Prototype Lab	1	1,800	1,800			1	1,800	N				-	1,800	X																																																																																																																	
Shop Class Storage	1	300	300			1	300	N				-	300	X																																																																																																																	
FINE AND APPLIED ARTS/ PERFORMANCE SPACES																																																																																																																															
Art Room	1	150	150			13	8,580	N		X		-	1,850	X																																																																																																																	
Stage Green Room	1	250	250			1	250	N				-	250	X																																																																																																																	
Stage Dressing Room	2	250	500			2	500	N				-	500	X																																																																																																																	
Stage Control Room	1	150	150			1	150	N				-	150	X																																																																																																																	
MEDIA CENTER/ LIBRARY SERVICES/ DISTANCE LEARNING LABS																																																																																																																															
Technology/IT Storage	1	300	300	125		4	1,850	N		X		-	1,850	X																																																																																																																	
Technology/IT Office	1	150	150			1	150	N				-	150	X																																																																																																																	
Dedicated Media/Tech/Distance Learning Lab	1	1,200	1,200			1	1,200	N				-	1,200	X																																																																																																																	
Electronic Device Storage	1	200	200			1	200	N				-	200	X																																																																																																																	
SPACES FOR STUDENTS WITH SPECIAL NEEDS (CLASSROOMS, SMALL LEARNING AREAS)																																																																																																																															
Resource Room (Large)	2	500	1,000	725		10	3,975	N	750	X		-	2,550	X																																																																																																																	
Resource Room (Small)	3	350	1,050			3	1,050	N				-	1,050	X																																																																																																																	
DINING AND FOOD SERVICE																																																																																																																															
Multi Purpose/Cafeteria Commons Storage	1	400	400	4,125		1	475	N		X		-	400	X																																																																																																																	
COMMUNITY SPACES																																																																																																																															
P.A.C.E Family and Community Engagement - Space	1	800	800			9	4,250	N		X		-	1,400	X																																																																																																																	
Community Resource Center	1	600	600			1	600	N				-	600	X																																																																																																																	
BUILDING SERVICES/ FACILITIES MANAGEMENT SPACES																																																																																																																															
Maintenance Central Storage	1	600	600			4	1,450	N		X		-	1,450	X																																																																																																																	
Laundry Room	1	200	200			1	200	N				-	200	X																																																																																																																	
Recycling Room	1	150	150			1	150	N				-	150	X																																																																																																																	
Receiving	1	500	500			1	500	N				-	500	X																																																																																																																	
<table border="0" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <td>Total Standard Gross</td> <td>254,447</td> <td>Major - Band/Chorus</td> <td>6,940</td> <td>Major - Locker Commons</td> <td>4,200</td> <td>Less Net Space to be Repurposed</td> <td>-</td> <td>Target</td> <td>40,735</td> <td>40,460</td> <td>Less Net Space to be Repurposed</td> <td>-</td> <td>Target</td> <td>21,800</td> <td>21,800</td> </tr> <tr> <td></td> <td></td> <td>Moderate</td> <td>6,545</td> <td>Repurpose</td> <td>-</td> <td>Total Net Sq Ft</td> <td>40,735</td> <td>Efficiency Factor</td> <td>0.700</td> <td>0.7</td> <td>Total Net Sq Ft</td> <td>21,800</td> <td>Efficiency Factor</td> <td>0.700</td> <td>0.700</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Total Addition Gross</td> <td>58,193</td> <td></td> <td>57,800</td> <td></td> <td>Total Addition Gross</td> <td>31,143</td> <td></td> <td>31,143</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Total Gross Sq Ft</td> <td>242,137</td> <td></td> <td>242,137</td> <td></td> <td>Total Gross Sq Ft</td> <td>31,312</td> <td></td> <td>31,312</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Target Sq Ft</td> <td>256,100</td> <td></td> <td>256,100</td> <td></td> <td>Target Sq Ft</td> <td>81,890</td> <td></td> <td>81,890</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>(13,963)</td> <td></td> <td></td> <td></td> <td></td> <td>(50,578)</td> <td></td> <td></td> <td></td> </tr> </table>																																Total Standard Gross	254,447	Major - Band/Chorus	6,940	Major - Locker Commons	4,200	Less Net Space to be Repurposed	-	Target	40,735	40,460	Less Net Space to be Repurposed	-	Target	21,800	21,800			Moderate	6,545	Repurpose	-	Total Net Sq Ft	40,735	Efficiency Factor	0.700	0.7	Total Net Sq Ft	21,800	Efficiency Factor	0.700	0.700							Total Addition Gross	58,193		57,800		Total Addition Gross	31,143		31,143								Total Gross Sq Ft	242,137		242,137		Total Gross Sq Ft	31,312		31,312								Target Sq Ft	256,100		256,100		Target Sq Ft	81,890		81,890									(13,963)					(50,578)			
Total Standard Gross	254,447	Major - Band/Chorus	6,940	Major - Locker Commons	4,200	Less Net Space to be Repurposed	-	Target	40,735	40,460	Less Net Space to be Repurposed	-	Target	21,800	21,800																																																																																																																
		Moderate	6,545	Repurpose	-	Total Net Sq Ft	40,735	Efficiency Factor	0.700	0.7	Total Net Sq Ft	21,800	Efficiency Factor	0.700	0.700																																																																																																																
						Total Addition Gross	58,193		57,800		Total Addition Gross	31,143		31,143																																																																																																																	
						Total Gross Sq Ft	242,137		242,137		Total Gross Sq Ft	31,312		31,312																																																																																																																	
						Target Sq Ft	256,100		256,100		Target Sq Ft	81,890		81,890																																																																																																																	
							(13,963)					(50,578)																																																																																																																			

PROJECT BUDGET 14.1

Springfield High School and Field House Springfield School District 186

October 7, 2020

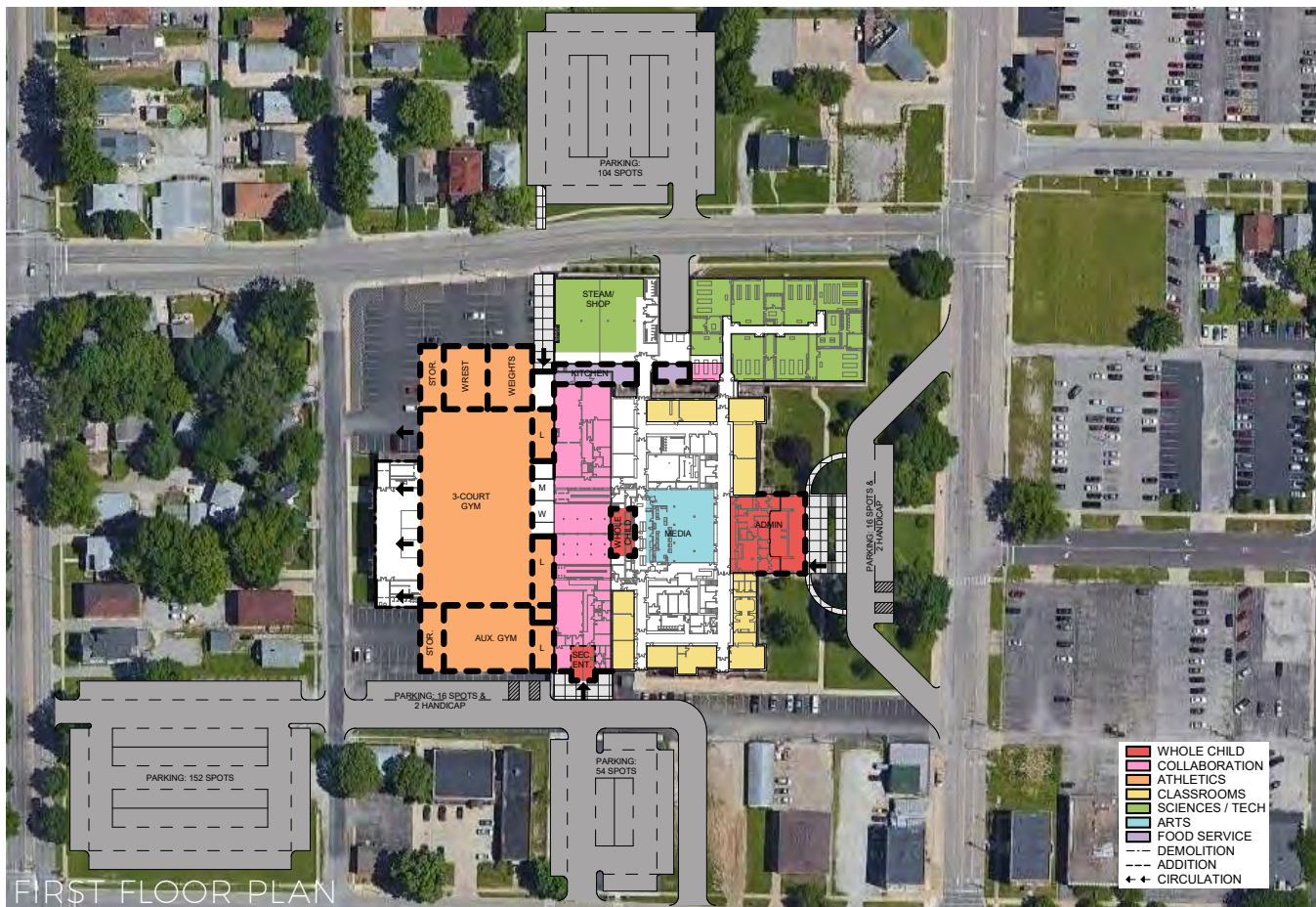
CONSTRUCTION BUDGET				\$50,663,792
SCOPE				\$44,615,100
Demolition	49600 sf	14.25	\$706,800	
Site Work - Parking	124700 sf	14	\$1,745,800	
Site Work - Allowance			\$1,100,000	
Site Work - payoff field			\$250,000	
Addition	53700 sf	255	\$13,693,500	
Addition - Field House	42000 sf	220	\$9,240,000	
Remodeling - Major	37500 sf	180	\$6,750,000	
Remodeling - Medium	14300 sf	140	\$2,002,000	
Remodeling - Minor	61500 sf	92	\$5,658,000	
HLS - Science wing HVAC			\$500,000	
HLS - New fire alarm			\$600,000	
HLS - add reheat to HVAC system			\$2,369,000	
CONTINGENCY				\$6,048,692
Design Contingency	5%		\$2,230,755	
Bidding Contingency	5%		\$2,342,293	
Construction Contingency	3%		\$1,475,644	
SOFT COSTS				\$5,922,290
SITE ACQUISITION AND EVALUATION				\$25,000
Land Purchase				
Topographical Survey			\$15,000	
Geotechnical Survey			\$10,000	
FEES AND SERVICES				\$3,747,290
Architect/ Engineering Design Fees	6.07%		\$3,252,290	
Interior Design Fees			\$100,000	
Food Service Consultant			\$20,000	
Theater, Lighting & Rigging Design Consultant			\$100,000	
Acoustical/Audio/Video Design Consultant			\$100,000	
Technology Design Services			\$75,000	
Reimbursable Expenses			\$100,000	
OTHER COSTS				\$2,150,000
Technology, Telecom, Security			\$750,000	
Furnishings, Fixtures, Equipment			\$1,000,000	
Abatement			\$400,000	

PROJECT BUDGET **\$56,586,082**

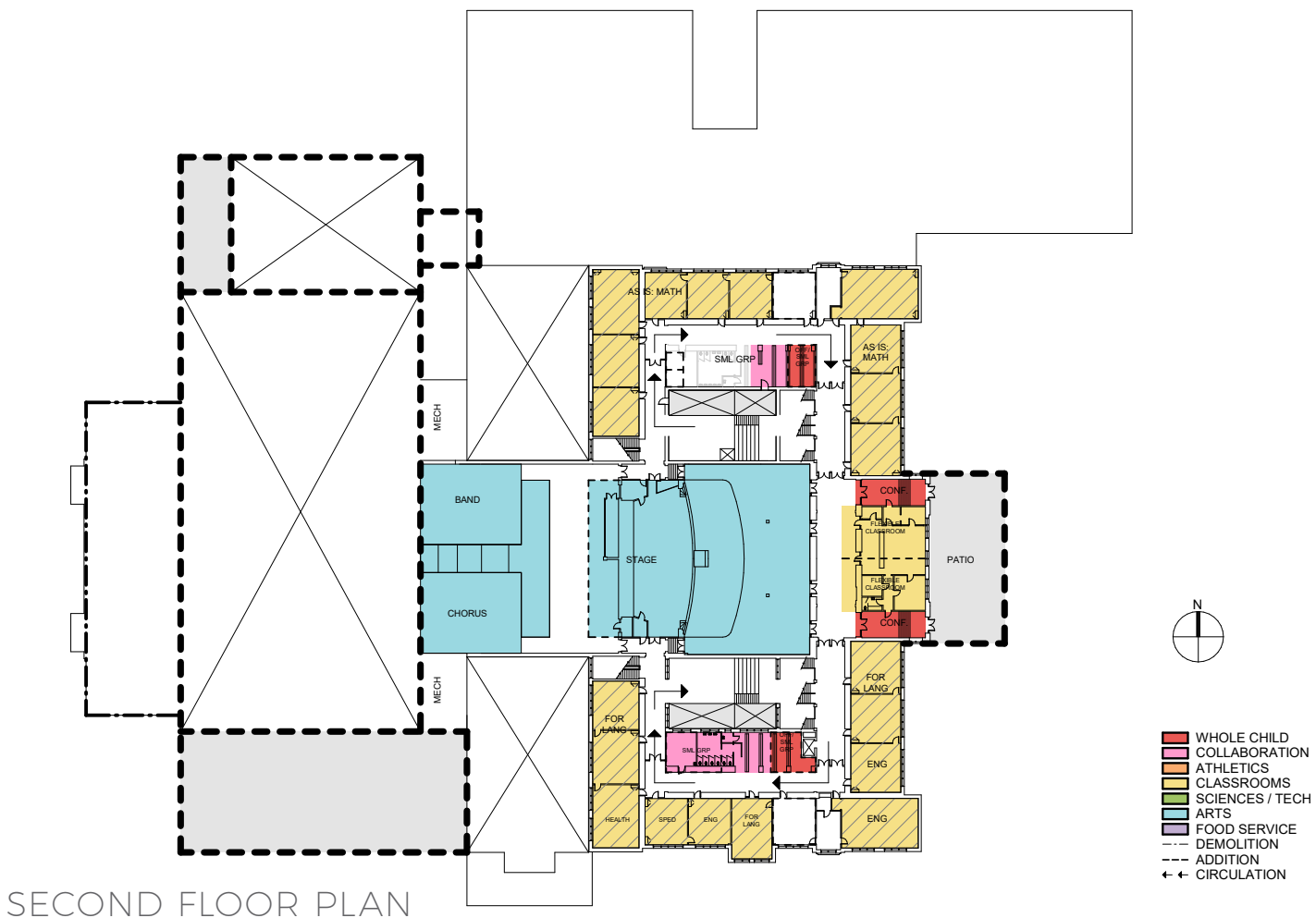
PROJECT BUDGET - Escalated **\$63,688,134** 3% 2024

(REVISED OCTOBER 2020)

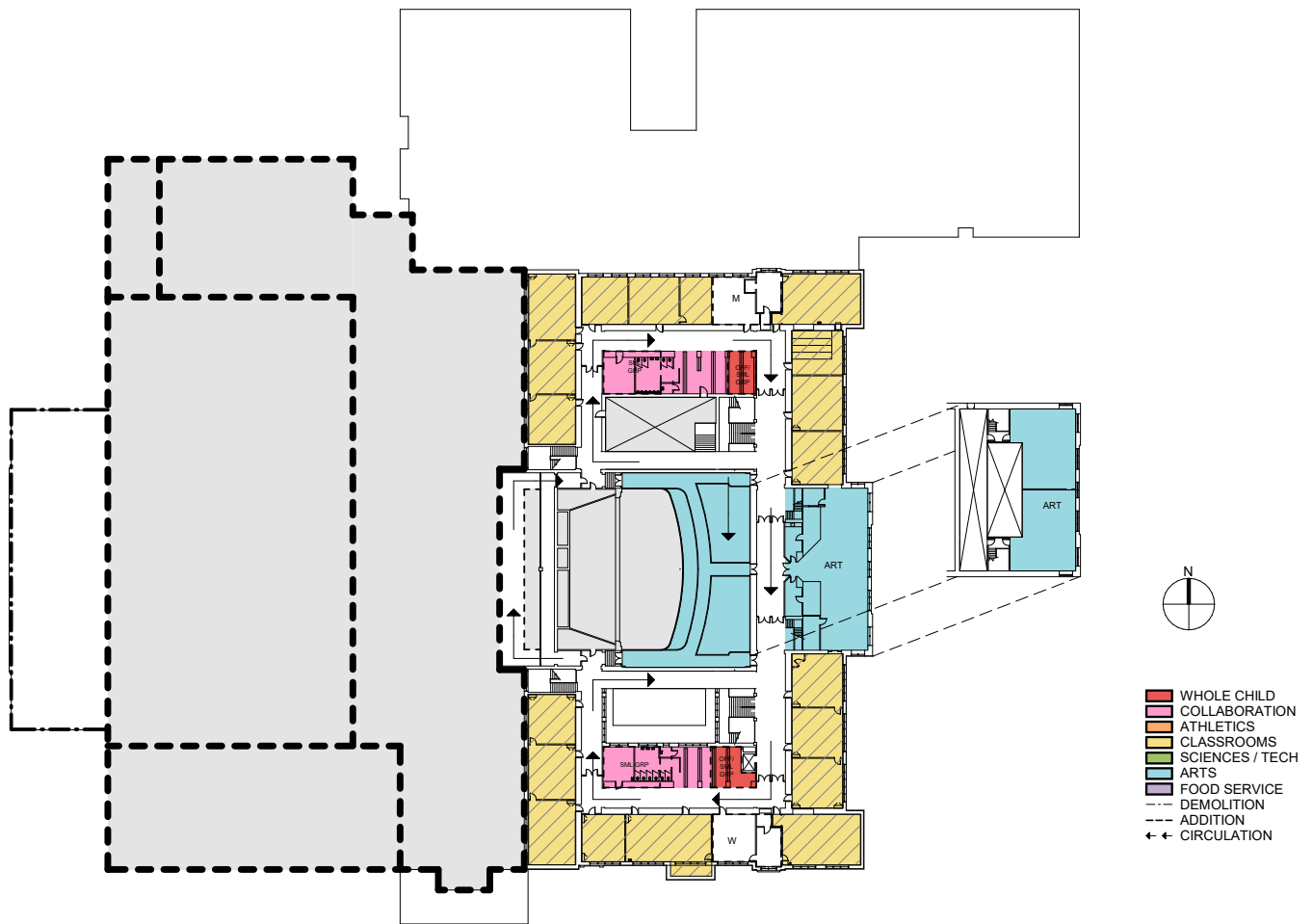
DESIGN DIAGRAM 14.1



DESIGN DIAGRAM 14.1



DESIGN DIAGRAM 14.1



THIRD FLOOR PLAN

SCOPE DIAGRAM 14.1

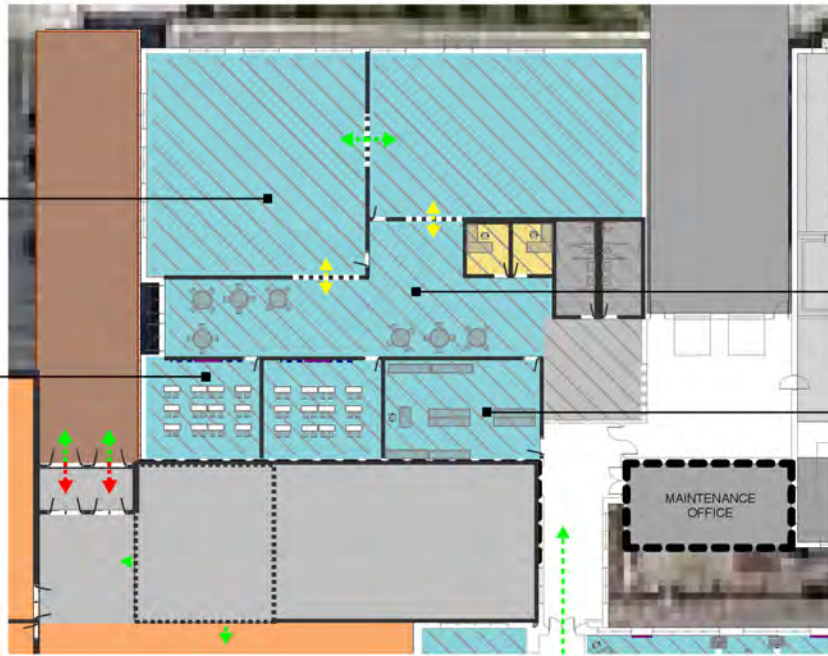
SPRINGFIELD HIGH SCHOOL

Career Tech Lab: Lab space for Mechanics, metals, construction, and engineering tech programs. Provide equipment for welding/cutting/compressed air, and painting. Access exterior space and storage with overhead doors

Career Tech Classroom:
Drafting/Construction
Tech/Career Training Classroom

Career Tech Collaboration: Gathering space for collaboration and presentations, group work and organization meetings, provide mobile furniture, safety equipment storage and locker area

STEM/Model/Maker Space: workstations for 3D printing, Laser Cutting, CNC, Electrical, and Robotics



First Floor Remodeling - North Section (STEAM/Shop)
Scale: 1"=20'-0"

1

SCOPE DIAGRAM 14.1

Future Focused Classroom space. Provide daylighting opportunities, shading, dimmable lighting. Create operable wall to allow access to Flexible size spaces to accommodate program changes. Utilize large wall spaces for writable surfaces and tackable areas

Student Collaboration Area: Create operable wall to allow access to Education and break out space for team and group work. Large Video screens and program storage to support curriculum. Utilize large wall spaces for writable surfaces and tackable areas

Future Focused Classroom space. Provide daylighting opportunities, shading, dimmable lighting. Utilize large wall spaces for writable surfaces and tackable areas

Faculty Space: Consider nursing room, break and meeting areas, copier and storage, dining, and kitchenettes with multiple dishwasher, multiple microwaves, additional outlets for appliances.

Conference Space: workstations with lockable storage. Mobile conference tables, LED displays, tackable, and writable surfaces.



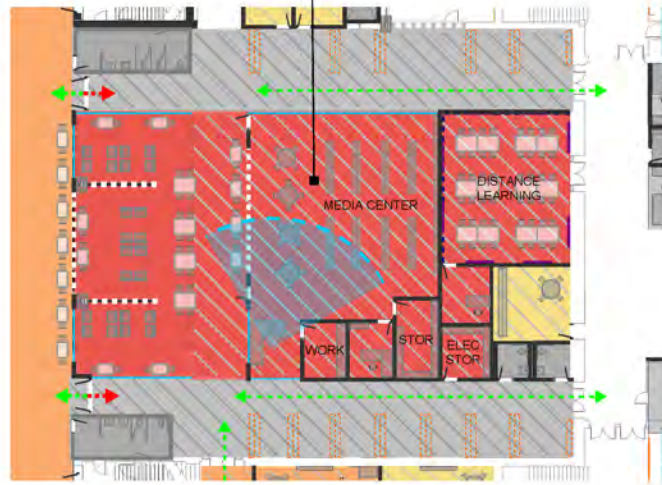
SPRINGFIELD HIGH SCHOOL

First Floor Remodeling - North Section (Academic)
Scale: 1"=20'-0"

2

SCOPE DIAGRAM 14.1

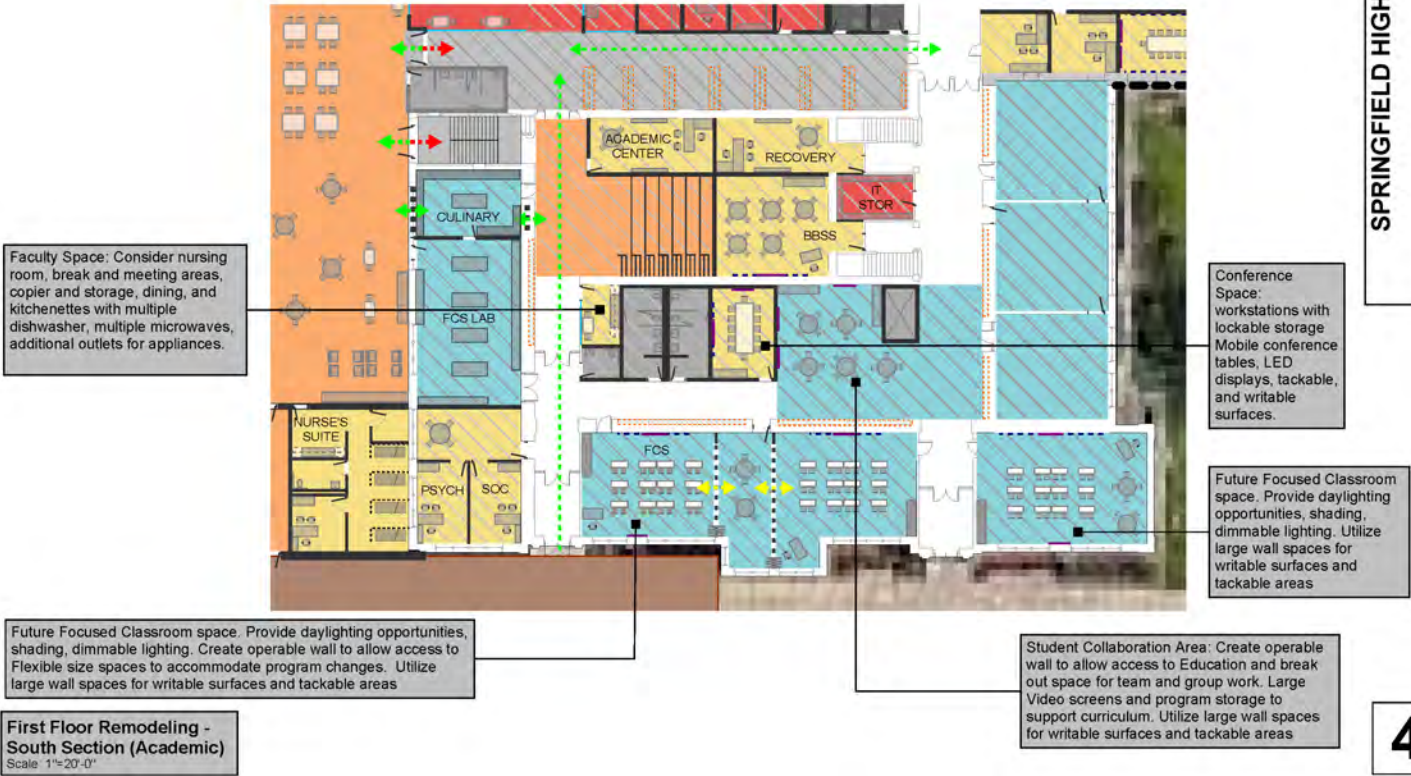
Media Arts: Consider wall shelving, max 60" high. Reading Area for groups, mobile furniture, mixed seating for 30. Combination chairs, soft seating, and stools. Consider 36" tall mobile shelving for fiction and younger readers. Volumetric dimmable lighting, robust wifi, and multiple displays.



First Floor Remodeling - Center Section (Media & Technology)
Scale: 1/8"=20'-0"

SCOPE DIAGRAM 14.1

SPRINGFIELD HIGH SCHOOL



4

SCOPE DIAGRAM 14.1

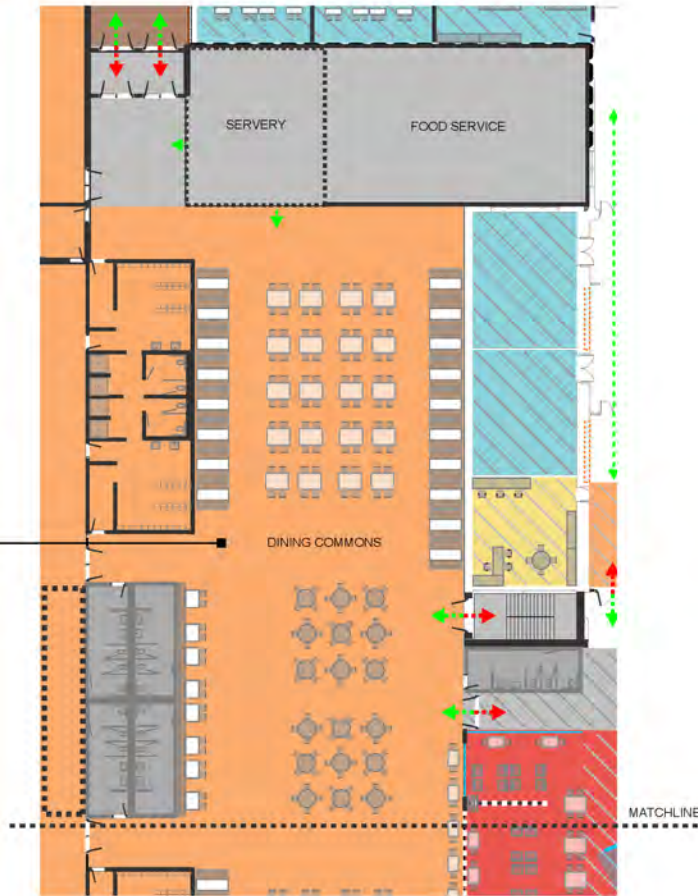


First Floor Remodeling - Center Section (Administration)
Scale: 1"=20'-0"

SCOPE DIAGRAM 14.1

Dining commons: Use ceiling clouds or changes to create zones, use booths and banquettes to create more social zones that can be used for break-out and study spaces. Utilize color, environmental graphics, and engaging materials to create a cohesive branding of spaces. Infuse the space with lighting and technology make it a place students feel comfortable and engaged. Sound absorption and reflection should be design to limit noise levels reduce stress

**First Floor Remodeling - West Section
(North Half of Dining Commons)**
Scale: 1"=20'-0"



SCOPE DIAGRAM 14.1

Dining commons: Use ceiling clouds or changes to create zones, use booths and banquets to create more social zones that can be used for break-out and study spaces. Utilize color, environmental graphics, and engaging materials to create a cohesive branding of spaces. Infuse the space with lighting and technology make it a place students feel comfortable and engaged. Sound absorption and reflection should be design to limit noise levels reduce stress.

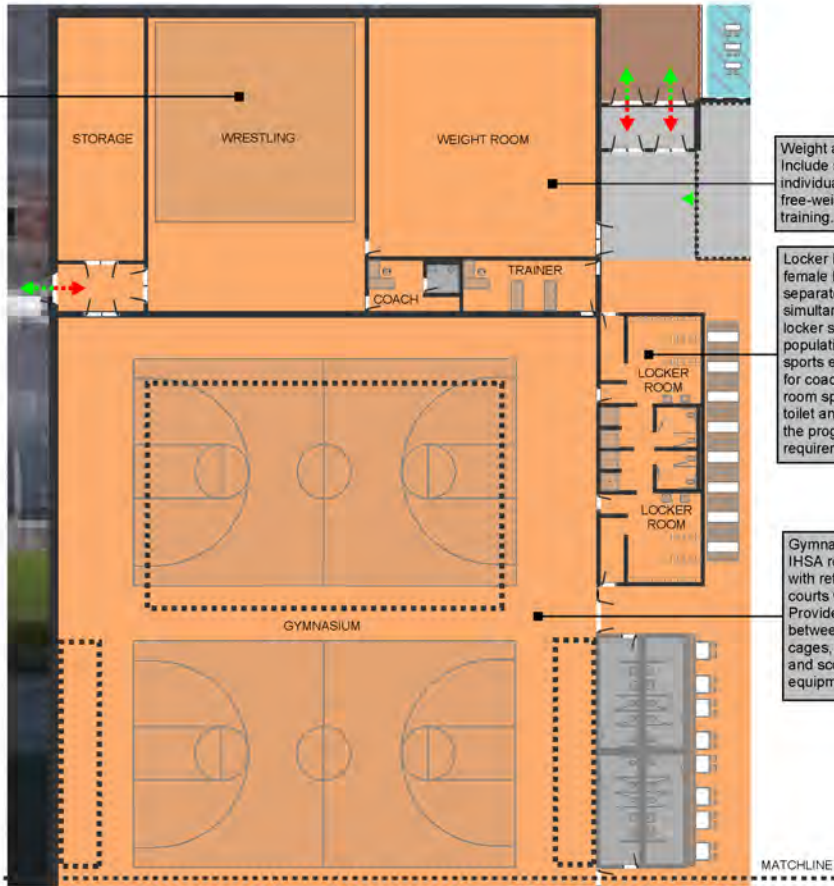


First Floor Remodeling - West Section
(South Half of Dining Commons)
Scale: 1"=20'-0"

SCOPE DIAGRAM 14.1

SPRINGFIELD HIGH SCHOOL

Wrestling Room:
Provide space for 40' wide mats with up to 9 practice circles. Provide wall pads on all exposed corners to 5' high. Provide space for portable fitness equipment, benches, and training equipment.



Weight and Fitness Room:
Include space for team and individual fitness and zone for both free-weight training and circuit training.

Locker Rooms: Provide male and female locker room space that can be separated to support up to 4 teams simultaneously. Provide student locker storage for the entire student population and athletes for the team sports each season. Include offices for coaches, athletic storage, training room space, uniform storage, and toilet and shower facilities to meet the program needs and code requirements.

Gymnasium: Provide space for 3 IHSA regulation basketball courts with retractable goals and volleyball courts with recessed sleeves. Provide retractable divider curtains between courts, overhead batting cages, retractable bleacher seating, and scoreboards. Include equipment storage.

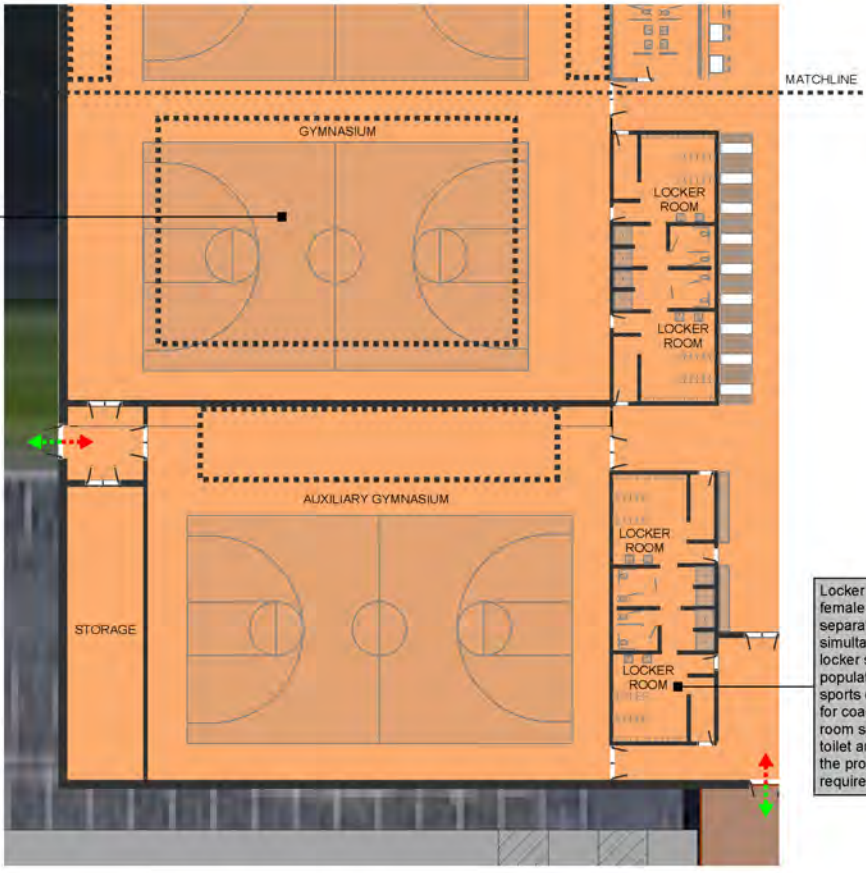
Athletics Addition (North Half) - First Floor
Scale: 1"=20'-0"

8

SCOPE DIAGRAM 14.1

SPRINGFIELD HIGH SCHOOL

Gymnasium: Provide space for 3 IHSA regulation basketball courts with retractable goals and volleyball courts with recessed sleeves. Provide retractable divider curtains between courts, overhead batting cages, retractable bleacher seating, and scoreboards. Include equipment storage.



Locker Rooms: Provide male and female locker room space that can be separated to support up to 6 teams simultaneously. Provide student locker storage for the entire student population and athletes for the team sports each season. Include offices for coaches, athletic storage, training room space, uniform storage, and toilet and shower facilities to meet the program needs and code requirements.

Athletics Addition (South Half) - First Floor
Scale: 1"=20'-0"

9

SCOPE DIAGRAM 14.1

Future Focused Classroom space. Provide daylighting opportunities, shading, dimmable lighting. Create operable wall to allow access to Flexible size spaces to accommodate program changes. Utilize large wall spaces for writable surfaces and tackable areas

Student Collaboration Area: Create operable wall to allow access to Education and break out space for team and group work. Large Video screens and program storage to support curriculum. Utilize large wall spaces for writable surfaces and tackable areas

Faculty Space: Consider nursing room, break and meeting areas, copier and storage, dining, and kitchenettes with multiple dishwasher, multiple microwaves, additional outlets for appliances.

Conference Space: workstations with lockable storage. Mobile conference tables, LED displays, tackable, and writable surfaces.



SPRINGFIELD HIGH SCHOOL

Second Floor Remodeling - North Section (Academic)
Scale: 1"=20'-0"

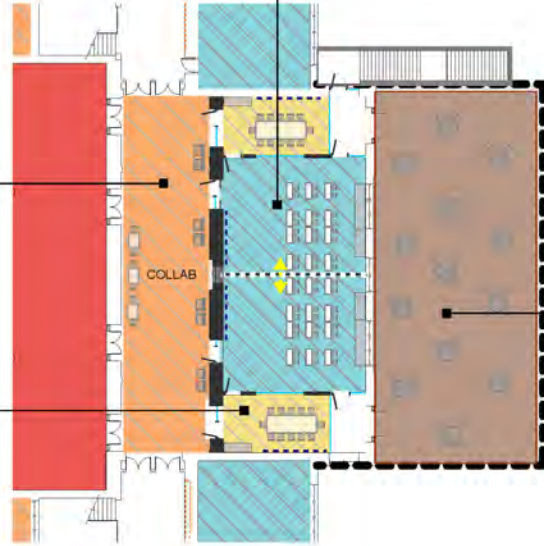
10

SCOPE DIAGRAM 14.1

Future Focused Classroom space. Provide daylighting opportunities, shading, dimmable lighting. Create operable wall to allow access to Flexible size spaces to accommodate program changes. Utilize large wall spaces for writable surfaces and tackable areas

Student Collaboration Area: Education and break out space for team and group work. Large Video screens and program storage to support curriculum. Utilize large wall spaces for writable surfaces and tackable areas

Faculty Space: Consider nursing room, break and meeting areas, copier and storage, dining, and kitchenettes with multiple dishwasher, multiple microwaves, additional outlets for appliances.



Outdoor classroom: Provide a paved area to accommodate up to 50 students for outdoor classroom use. Provide shading device via canopy or shade structure to allow students to use the space in bright sun. Provide views and access to the outdoor seating from the multipurpose classrooms. Consider ways to incorporate outdoor audio and video.

Second Floor Remodeling
- East Section (Academic)
Scale: 1"=20'-0"

SCOPE DIAGRAM 14.1

SPRINGFIELD HIGH SCHOOL

Faculty Space: Consider nursing room, break and meeting areas, copier and storage, dining, and kitchenettes with multiple dishwasher, multiple microwaves, additional outlets for appliances.

Conference Space: workstations with lockable storage. Mobile conference tables, LED displays, tackable, and writable surfaces.

Future Focused Classroom space. Provide daylighting opportunities, shading, dimmable lighting. Create operable wall to allow access to Flexible size spaces to accommodate program changes. Utilize large wall spaces for writable surfaces and tackable areas

Student Collaboration Area: Create operable wall to allow access to Education and break out space for team and group work. Large Video screens and program storage to support curriculum. Utilize large wall spaces for writable surfaces and tackable areas

Second Floor Remodeling - South Section (Academic)
Scale: 1"=20'-0"

12



SCOPE DIAGRAM 14.1

Band and Chorus Suite: Consider acoustical treatment of ceilings and wall sound treatment. Provide a sound lock into band and chorus rooms. Provide storage for musical instruments, music, and uniforms. Seal all floor and wall penetrations to prevent sound leaks. Provide offices, practice rooms, and commons space for student to interact.

Office Space: workstations with lockable storage, filing, work surface and guest seating. Small conference table, LED display, tackable, and writable surfaces.



Second Floor Remodeling - West Section (Music & Theater)
Scale 1"=20'-0"

SCOPE DIAGRAM 14.1

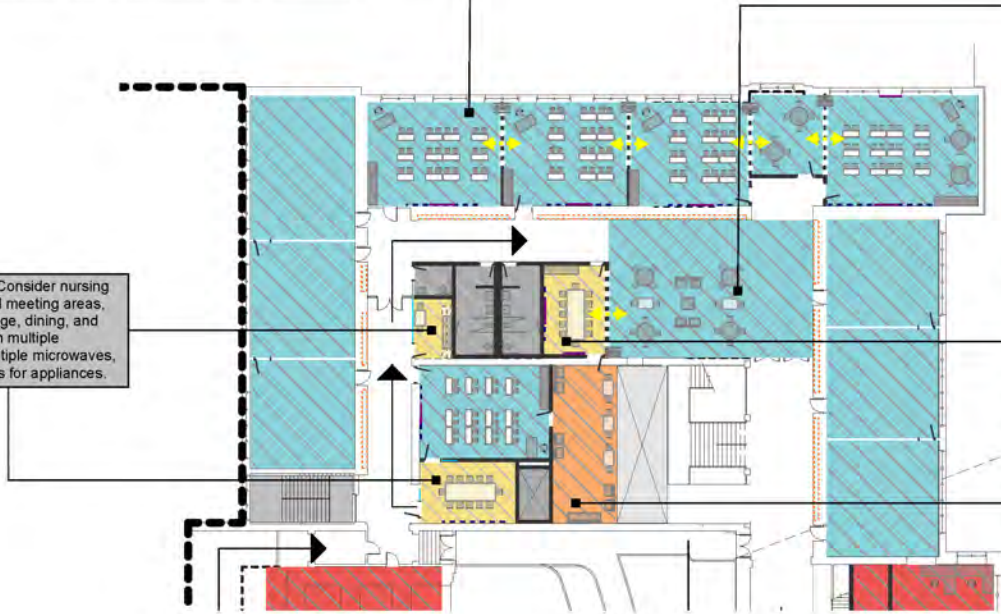
Future Focused Classroom space. Provide daylighting opportunities, shading, dimmable lighting. Create operable wall to allow access to Flexible size spaces to accommodate program changes. Utilize large wall spaces for writable surfaces and tackable areas

Student Collaboration Area: Create operable wall to allow access to Education and break out space for team and group work. Large Video screens and program storage to support curriculum. Utilize large wall spaces for writable surfaces and tackable areas

Faculty Space: Consider nursing room, break and meeting areas, copier and storage, dining, and kitchenettes with multiple dishwasher, multiple microwaves, additional outlets for appliances.

Conference Space: workstations with lockable storage. Mobile conference tables, LED displays, tackable, and writable surfaces.

Student Collaboration Area: Education and break out space for team and group work. Large Video screens and program storage to support curriculum. Utilize large wall spaces for writable surfaces and tackable areas



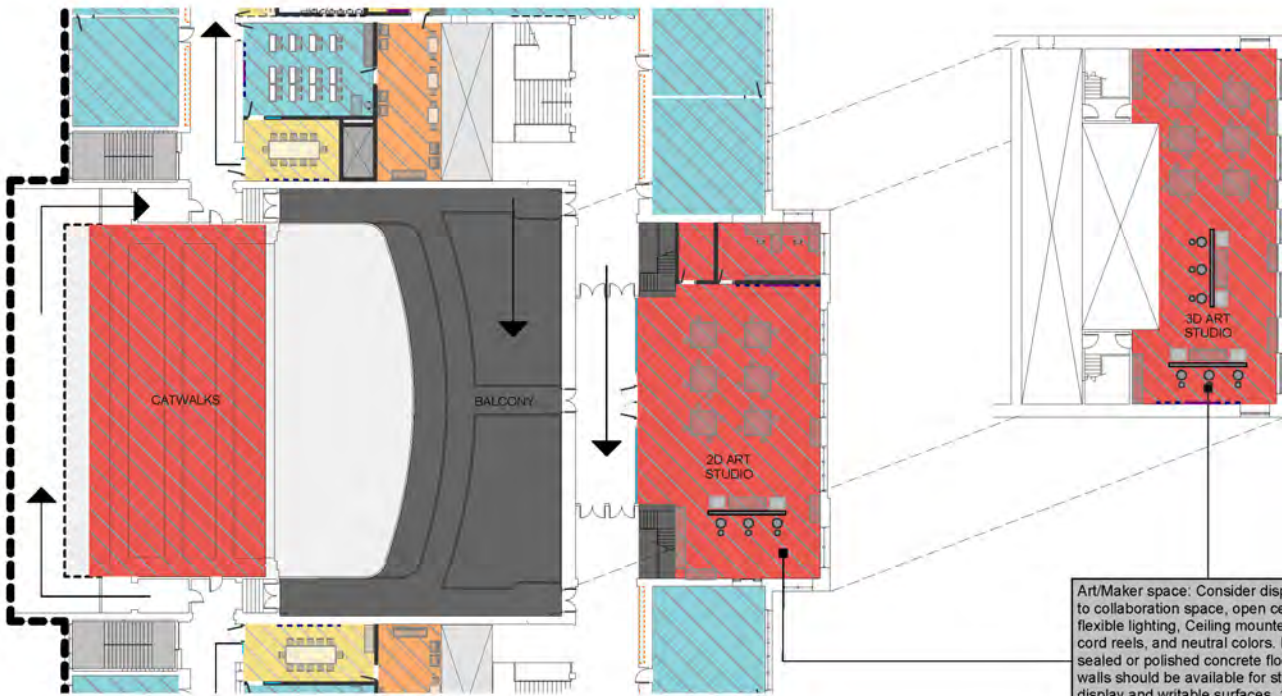
SPRINGFIELD HIGH SCHOOL

Third Floor Remodeling - North Section (Academic)
Scale: 1"=20'-0"

14

SCOPE DIAGRAM 14.1

SPRINGFIELD HIGH SCHOOL

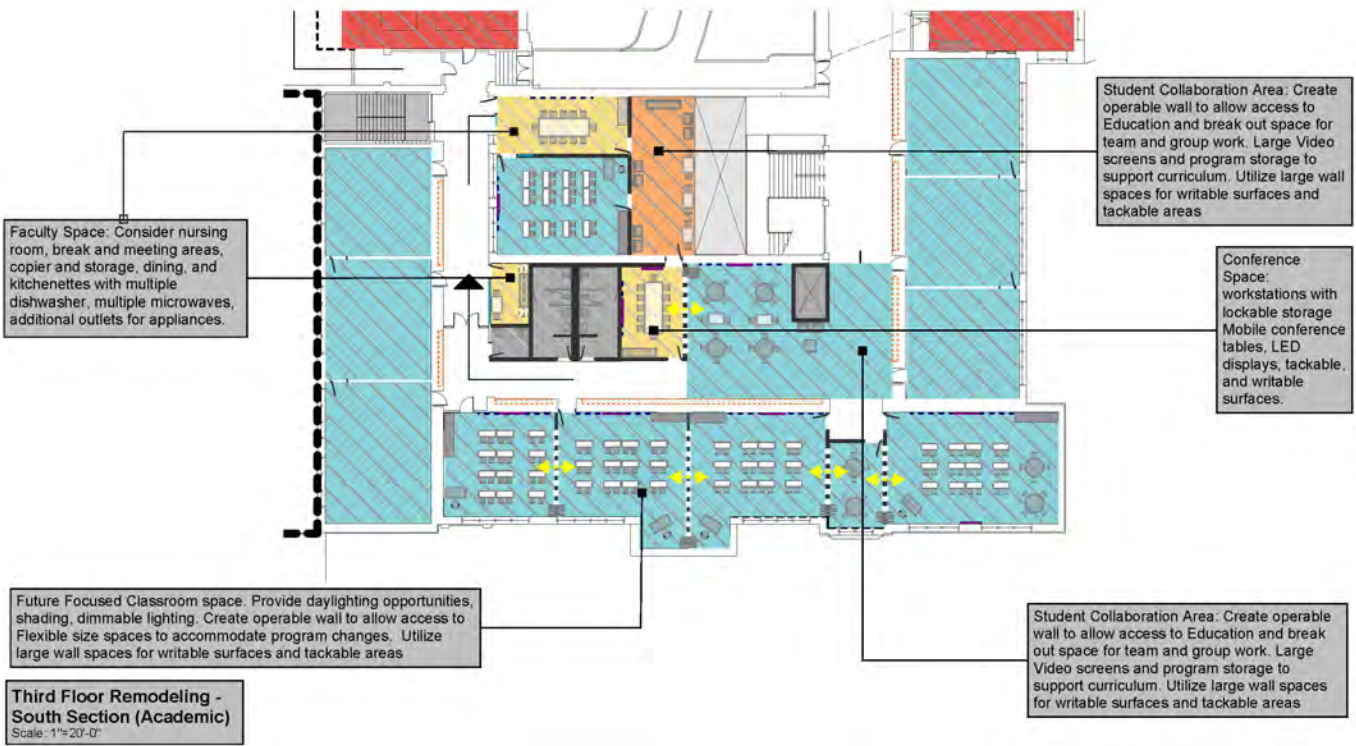


Art/Maker space: Consider display space to collaboration space, open ceiling, flexible lighting, Ceiling mounted power cord reels, and neutral colors. Exposed sealed or polished concrete floors. Large walls should be available for student work display and writable surfaces. 1 Deep utility sinks and open storage. Maximize controlled daylight.

Third Floor Remodeling -
Center Section (Theater & Art)
Scale: 1"=20'-0"

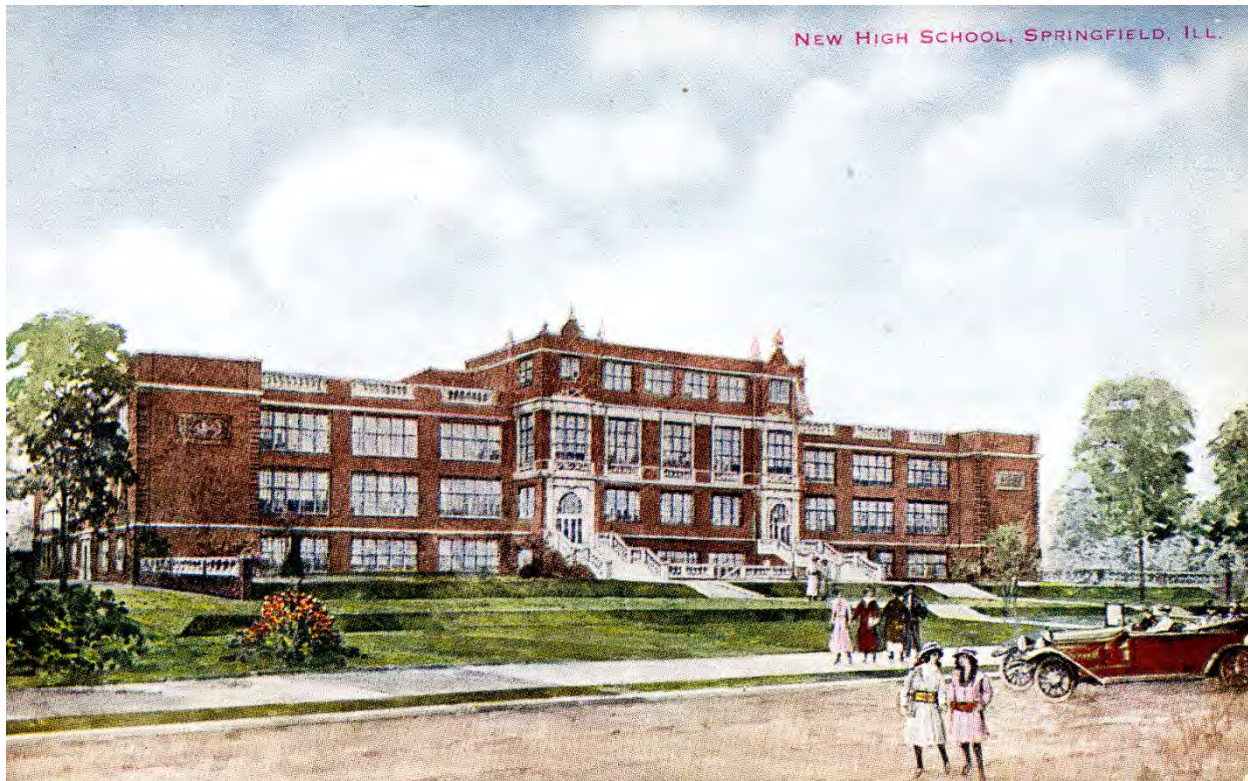
15

SCOPE DIAGRAM 14.1



History of Springfield High School

The name Springfield High School (SHS) came (almost) naturally. Predecessor high school facilities were often referred to as The Springfield High School as there was only one public high school in the city of Springfield, Illinois before the second and third came along in the 1930's. It is clear before the construction of the current SHS that the title was used. It is evident in an early rendering pictured below indicating "New High School" that a particular name had not been selected. It was not until April 28, 1916 that Springfield High School was formalized as the name for the new building. Members of the high school committee to whom the naming of the new building was referred with power to act will report to the board of education tonight as being unanimously in favor of continuing the name "Springfield High School."¹



Rendering presumably by William B. Ittner's firm circa 1916 and in this case printed on a postcard.

The process of realizing the current SHS as noted took some time. First the existing high school (sometimes referred to as Central high school although never its official name) was evaluated. William B. Ittner of St. Louis, school architect for the St. Louis school system, and special architectural engineer for schools in Washington, D.C., Minneapolis and other large cities, gave his expert advice to the school board yesterday regarding Springfield's high school problem. Members of the board refused to say whether he recommended or discouraged the remodeling of the high school building.² Much discussion during various board meeting over the course of 1915 debated remodeling the existing building versus obtaining the current SHS site and with two

¹ "High School To Retain Its name", *Illinois State Register*, Page 3, Friday, April 28, 1916.

² "Expert Architect Sees High School", *The Illinois State Journal*, Page 4, Tuesday, January, 19, 1915.

HPD PLAN 14.1

competing newspapers in the city sometimes the perspective of the story changed. Mr. Ittner, who is a builder of note, especially in the educational field, said he was surprised that the capital city of Illinois should attempt to do high school work in a building so illy arranged and so incommodious.³



Photo from 1916-1917 Capitoline year book illustrating existing school (often referred to as Central high school) with inset rendering of new high school which is the same rendering shown above. 1916-1917 was last school year in the existing building as a high school.

Ultimately the case to remodel the existing high school or construct a new one was put to the voters. The board of education, wrestling with the high school problem in this city, is now making a systematic attempt to sound public sentiment with the idea of learning what the citizens are willing to do. Two propositions are offered from which selection must be made in the near future, as follows: 1. A new high school on another site at a cost of \$400,000, with the contingency of a popular vote on three separate issues, and of which if defeated will tie up the building situation. 2. Remodeling the old building at a cost of \$275,000, which, it is said, will furnish a structure three times its present size.⁴

Five members of the board of education took the greatest step thus far toward securing a new high school at an afternoon session yesterday when, notwithstanding protests from four organizations of local businessmen, they employed W.B. Ittner of St. Louis as consulting architect

³ "High School is Criticised (sic)", *The Illinois State Register*, Page 2, Tuesday, January 19, 1915.

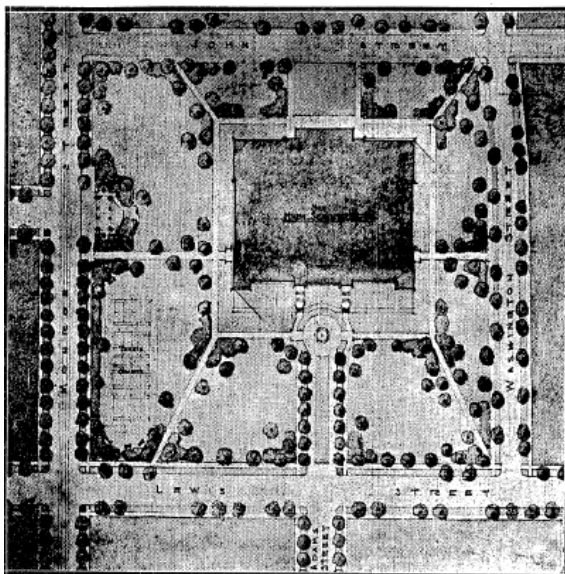
⁴ "School Board Still Figuring", *The Illinois State Register*, Page 5, Tuesday, January 26, 1915.

to assist George H. Helmle, the board architect, in perfecting plans for the proposed structure. Where the new school shall be erected, whether at the old site or at the Forest park location was left to be decided at another meeting.⁵

W.B. Ittner of St. Louis, Mo., was employed as associate architect by the board of education at its meeting yesterday afternoon to co-operate with the architect of the board, George H. Helmle, upon such terms as may be agreed upon by the board and between Mr. Ittner and Mr. Helmle in the matter of remodeling or enlarging the present high school.⁶

During 1915 the struggle was real regarding remodeling or new construction. The board of education last night went on record in favor of the remodeling of the present high school building as recommended by W.B. Ittner of St. Louis, employed as associate architect by the board. Mr. Ittner came to Springfield yesterday bringing with him preliminary sketches of a proposed addition to the present high school structure and also plans for an entirely new edifice which were laid before the board. The two buildings when finished as outlined in the preliminary drawings, would be practically the same.⁷ In the same paper and on the next page, the rendering (Page 1) above was illustrated.

As the process moved forward one particular board member was very much in favor of constructing a new high school. The site where the current SHS sits was once called Forest Park. A complete and lucid sta(t)ement of the new high school building problem and a defense of the new site proposition has been sent to the editor of The State Journal by Edward Anderson, member of the Board of Education, whose plan for a high school on the Forest Park location was refused by the board last month. In order to show more plainly the financial problem involved the following tables are presented showing the comparative costs and value by the adoption of the different plans:⁸



COMPARATIVE COSTS AND VALUES BY ADOPTION OF DIFFERENT PLANS

In order to show more plainly the financial problem involved the following tables are presented, showing the comparative costs and the values by the adoption of the different plans:

TABLE I.

	Remodeling old building	Entire new building not fireproof	Remodeling old building fireproof	Entire new building fireproof
Cost of construction.....	\$300,000	\$225,000	\$350,000	\$345,000
Old building used in construction.....	100,000		100,000	
Cost of taking care of pupils during Constr.	15,000		15,000	
New lot		75,000		75,000
Total cost	\$415,000	\$300,000	\$465,000	\$420,000
Value when completed.....	\$400,000	\$400,000	\$465,000	\$520,000
Lost to district	\$ 70,000	None	\$100,000	None

TABLE II.

	Remodeling old building not fireproof	Entire new building not fireproof	Remodeling old building fireproof	Entire new building fireproof
Cost of new building.....	\$415,000	\$300,000	\$465,000	\$450,000
Value of old building after completion.....	None	100,000	None	100,000
Value in total building.....	\$415,000	\$400,000	\$465,000	\$520,000
Value of combined bldgs. after completion.....	\$415,000	\$500,000	\$465,000	\$520,000
Loss to district.....	\$ 70,000	None	\$100,000	None

Plan III. will have cost \$15,000 less than plan II., yet will be worth \$155,000 more on a total of \$170,000.
Plan V., on same basis of comparison, will total a valuation of \$200,000 more than plan IV.

Illustration of proposed new high school site and table with financial comparisons of options. *The Illinois State Register*, Page 12, Sunday, April 11, 1915.

⁵ "Ittner Selected Despite Protest", *The Illinois State Journal*, Page 5, Tuesday, February 16, 1915.

⁶ "School Board Secures Ittner", *The Illinois State Register*, Page 6, Tuesday, February 16, 1915.

⁷ "High School To Be Remodeled", *The Illinois State Register*, Page 7, Wednesday, March 10, 1915.

⁸ "Anderson In Plea For New School", *The Illinois State Journal*, Page 4, Sunday, April 11, 1915.

HPD PLAN 14.1

As the board of education moved to put the question of a new high school and site before the voters another possible high school site was thrown into the mix adjacent to McClelland School. In June 1915, the board of education moved to place seven propositions on the ballot. Two of the seven propositions were as follows: 1) Proposed question to locate and acquire Forest park for a new high school site---Shall the board of education of school district No. 186, county of Sangamon and state of Illinois, locate and acquire a new high school site on which is known as Forest park, in the city of Springfield, county of Sangamon and state of Illinois? 2) Proposed question to build a new high school on Forest park site---Shall the board of education of school district No. 186, county of Sangamon and state of Illinois, erect a new high school building on what is known as Forest park, in the city of Springfield, county of Sangamon, and state of Illinois?⁹ Two days later in the same paper six school board members expressed their views for the public to support a new high school on the Forest park site especially give the fact that it was controlled by the park board who was willing to give it to the school district.

SCHOOL PROPOSITIONS

<p>PROPOSED QUESTION TO LOCATE AND ACQUIRE FOREST PARK FOR A NEW HIGH SCHOOL SITE.</p> <p>Shall the Board of Education of School District No. 186, County of Sangamon, and State of Illinois, locate and acquire a new High School site on what is known as Forest Park, in the City of Springfield, County of Sangamon, and State of Illinois?</p>	YES	
	NO	
<p>PROPOSED QUESTION TO BUILD A NEW HIGH SCHOOL ON FOREST PARK SITE.</p> <p>Shall the Board of Education of School District No. 186, County of Sangamon, and State of Illinois, erect a new High School building on what is known as Forest Park, in the City of Springfield, County of Sangamon, and State of Illinois?</p>	YES	
	NO	
<p>PROPOSED QUESTION OF ISSUING BONDS TO ACQUIRE FOREST PARK SITE AND TO BUILD NEW HIGH SCHOOL THEREON.</p> <p>Shall the Board of Education of School District No. 186, County of Sangamon, and State of Illinois, issue bonds to the amount of four hundred thousand (\$400,000.00) dollars, to provide for the acquisition of said new High School site and building a new High School thereon; said bonds to be dated September 1, 1915, to bear interest at the rate not to exceed (5%) per centum per annum, payable semi-annually, and to become due and payable as follows: Twenty thousand (\$20,000.00) dollars in amount on September 1, in each of the succeeding years from 1916 to 1925, both inclusive?</p>	YES	
	NO	
<p>PROPOSED QUESTION TO LOCATE AND ACQUIRE "SPAULDING SITE" FOR GRADE SCHOOL.</p> <p>Shall the Board of Education of School District No. 186, County of Sangamon, and State of Illinois, locate and acquire a school site at the southwest corner of the intersection of West Grand Avenue and Laurel Street, in said school district, known as the Spaulding site?</p>	YES	
	NO	
<p>PROPOSED QUESTION TO BUILD A NEW GRADE SCHOOL ON "SPAULDING SITE."</p> <p>Shall the Board of Education of School District No. 186, County of Sangamon, and State of Illinois, build a School House on the site at the southwest corner of the intersection of West Grand Avenue and Laurel Street, in said school district, known as the Spaulding site?</p>	YES	
	NO	
<p>PROPOSED QUESTION TO LOCATE AND ACQUIRE NEW HIGH SCHOOL SITE ADJOINING M'CLERNAND SCHOOL.</p> <p>Shall the Board of Education of School District No. 186, County of Sangamon, and State of Illinois, locate and acquire a new High School site, described as follows, to-wit: All that tract of land bounded on the west by Fifth Street, on the north by Enterprise Street, on the east by Sixth Street, and on the south by Eros Avenue, excepting what is now occupied by McClelland and Training Schools, situated in the City of Springfield, County of Sangamon, and State of Illinois?</p>	YES	
	NO	
<p>PROPOSED QUESTION TO BUILD NEW HIGH SCHOOL ON SITE ADJOINING M'CLERNAND SCHOOL.</p> <p>Shall the Board of Education of School District No. 186, County of Sangamon, and State of Illinois, erect a new High School building on a site described as follows, to-wit: All that tract of land bounded on the west by Fifth Street, on the north by Enterprise Street, on the east by Sixth Street, and on the south by Eros Avenue, excepting what is now occupied by the McClelland and Training Schools, situated in the City of Springfield, County of Sangamon, and State of Illinois?</p>	YES	
	NO	

State of Illinois, } ss.
County of Sangamon, }

I, John H. Ruckel, Chief Clerk of the Board of Election Commissioners of the City of Springfield, County and State aforesaid, do hereby certify that the foregoing is a true and correct copy of the School Propositions as they will appear upon the Official Ballot to be voted in the City of Springfield, County and State aforesaid on the 7th day of June, 1915.

Given under my hand this 6th day of June, 1915.

J. H. RUCKEL, Chief Clerk.

School Propositions. *The Illinois State Journal*, Page 5, Monday, June 7, 1915.

⁹ "Board Plans For Judicial Election", *The Illinois State Journal*, Page 9, Thursday, June 3, 1915.

Springfield school patrons and voters of a majority of those who voted, want a high school in Forest park. They also favor the erection of a permanent school on what is known as the "Spaulding site" at West Grand avenue and Laurel street (what would be become Butler Elementary School). They look with disfavor, however, upon the proposition to establish a new and separate high school in the north end of the city on what is known as the McClernand site. These facts were adduced at yesterday's school election, ballots in which were cast at the regular judicial election. The Forest park and southwest school propositions were carried by substantial majorities; the McClernand site high school proposition was lost by a heavy majority.¹⁰

As with many large scale school projects with various administrators, school boards, and differing architectural input, projects of any note take a while to come to fruition as can be inferred from a school board meeting in September 1915: Steps toward the actual building of the high school are now under way and will be pushed rapidly. Architects W.B. Ittner of St. Louis and George H. Helmle have been notified that their contract for drawing plans for the high school, entered into some time ago with the board, is now binding. Mr. Ittner of St. Louis has already completed preliminary plans.¹¹ The specification book for SHS is dated December 1915 and indicates it was prepared by Wm. B. Ittner with Geo. H. Helmle (as) Associate Architects. Ittner's firm was known for their school expertise and engaged by the district through Helmle (the District's architect at the time) to provide their school design prowess; today the Ittner name continues with an architecture firm based in St. Louis.

Then in relatively short order: Bids will be sought, probably within a month, for the erection of the new high school building, for which \$400,000 bonds have been issued. This announcement came last night after the first meeting of the new high school building committee, which was recently appointed. W.B. Ittner's preliminary plans for the building, presented by himself, were slightly amended and approved. Mr. Ittner returned to St. Louis and in two weeks will be back with detailed drawings and the week after that will have prepared blue prints and specifications.¹²

One year from next September the new Springfield high school, situated wholly on Forest park, completed at a cost of \$460,000, will be ready for occupancy. The board of education received this information last night, and authorized W.B. Ittner, the architect, to complete drawings and go ahead with the work.¹³

The Boeke Construction company of St. Louis of St. Louis will do the general construction work of Springfield's new \$400,000 high school. The company's bid, which was the lowest of 61 submitted, was accepted and preparations made to award the contract at an adjourned meeting last night of the board of education. The Boeke bid was \$232,000. It is proposed to start the construction without unnecessary delay. The general work will embrace the actual building of the school structure on the Forest Park site, except the brick and stone materials, the plumbing and sewage installation, clocks, bells and telephone. Not only in the general construction but on the brick also was the Boeke bid low. The St. Louis company's figures on the brick were \$64,310. This bid was lowest, but the board deferred for a short time the awarding of the contract.¹⁴

¹⁰ "Voters Declare For New High School On The Forest Park Site", *The Illinois State Journal*, Page 1, Tuesday, June 8, 1915.

¹¹ "Contract For Schools Held Up – Push Work on New High School", *The Illinois State Register*, Page 11, Friday, September 10, 1915.

¹² "Prepare To Ask Bids On School", *The Illinois State Journal*, Page 2, Friday, September 17, 1915.

¹³ "Makes Report On High School", *The Illinois State Journal*, Page 9, Wednesday, October 27, 1915.

¹⁴ "St. Louis Firm To Build High School", *The Illinois State Journal*, Page 5, Wednesday, January 26, 1916.

HPD PLAN 14.1

As construction ensued and a few days before the date when SHS got its name formally (see above) other names were suggested: "Abraham Lincoln High School" is the title suggested by the majority of the persons who expressed their preferences through the State Register to the committee which is to select a name for Springfield's new high school building. A close second is "Capitol high school." "Forest Park high school" is a favorite with many.¹⁵

LEGAL.

NOTICE TO CONTRACTORS.
Springfield, Ill., Dec. 22, 1915.

Notice is hereby given that the board of education of Springfield School District No. 186, county of Sangamon, state of Illinois, will receive sealed bids for the erection and completion of the new high school building to be erected on Forest park, in Springfield, Illinois, in accordance with the plans and the terms and conditions of the specifications prepared and furnished by William B. Ittner and George H. Helmle, associated architects, as approved by the board of education. Plans and specifications may be obtained at the office of George H. Helmle, Ferguson building, Springfield, Ill., or at the office of William B. Ittner, Board of Education building, St. Louis, Mo. All bids must be deposited with the secretary in the office of the board of education, sixth floor Leland Office building, Springfield, Ill., on or before one o'clock p. m., on Tuesday, Jan. 25, A. D. 1916. Each bid must be accompanied by a CASHIER'S CHECK for the amount stated in the specifications, made payable to Eleanor Matheny, secretary of the board of education, and enclosed in the envelope containing the bid. For further details reference is hereby made to the terms and conditions of the specifications above referred to. The board reserves the right to reject any and all bids.

By order of the board of education,
Springfield School District No. 186,
county of Sangamon, state of Illinois.
By Eleanor Matheny, Secretary.

The corner stone laying of the new high school was announced for Saturday afternoon at 3 o'clock. A short program arranged by Mrs. Mary L. Morrison, the president of the board, and Superintendent Magill and Principal Allen will be carried out. The box to be placed in the cornerstone was exhibited last night in the board rooms(.) It is made of copper, with the figures "1916" engraved on the top.¹⁶

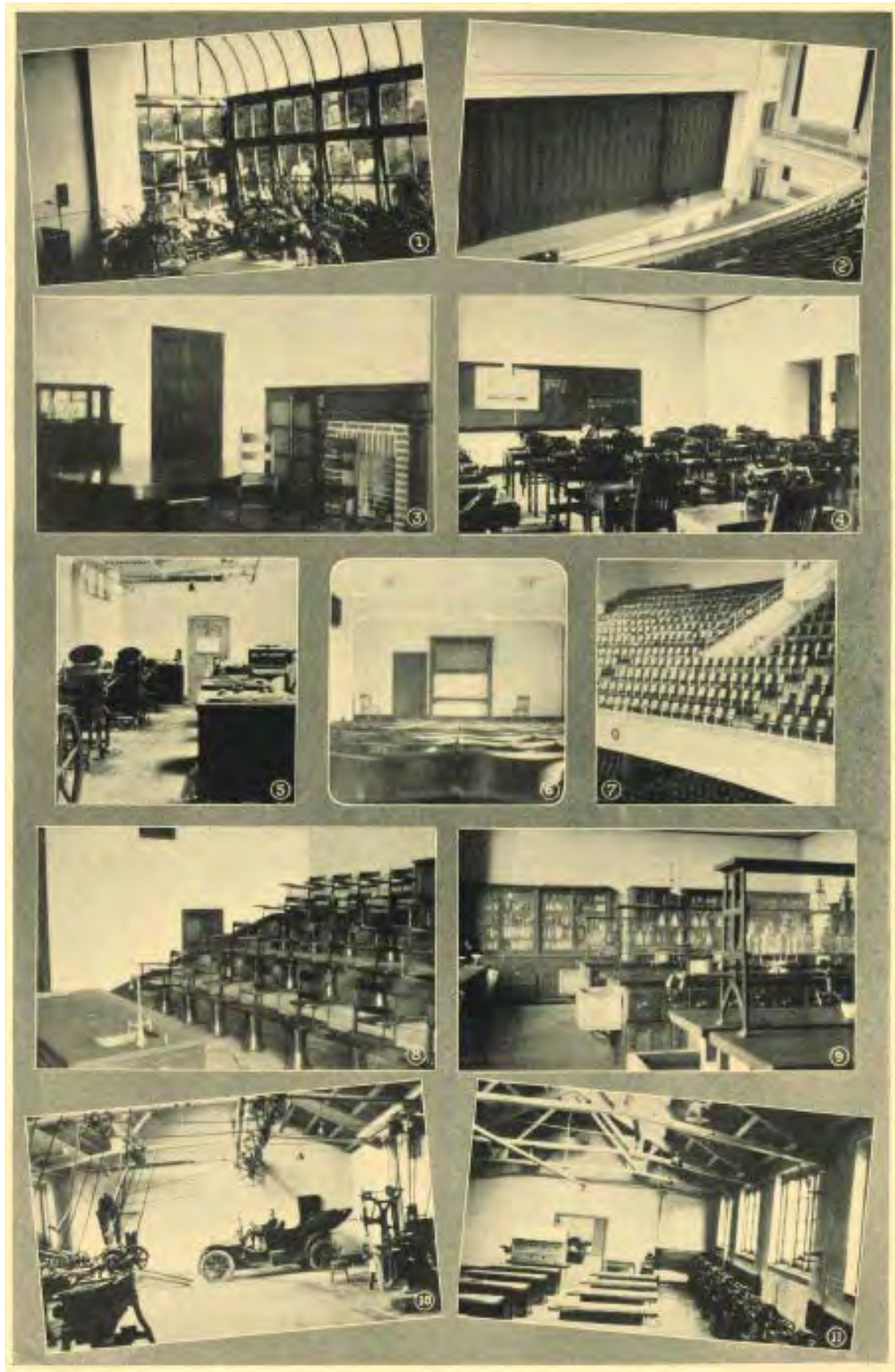
Two of the most significant details of the original design survive today and they are the 4 mosaic panels at the exterior and the 12 water fountain surrounds at the interior. The 4 exterior mosaic panels were designed by Moravian Pottery & Tile Works in Doylestown, Pennsylvania; its founder and builder was Henry Chapman Mercer (1856-1930). Two of the panels were entitled Arts and Sciences, a third represents Manual Training, and a fourth Domestic Sciences. The 12 water fountain surrounds were made by the Rookwood Pottery Company. Each surround depicts a different scene in an arts and crafts style.

Advertisement for Bids. *The Illinois State Journal*, Page 15, Thursday, December 23, 1915.

¹⁵ "Lincoln Favored As School Name", *The Illinois State Register*, Page 5, Sunday, April 23, 1916.

¹⁶ "Submit Designs For New School - Three Architects Offer Plans for Douglas Top-lighted Building, High School Cornerstone to Be Laid Saturday", *The Illinois State Register*, Page 2, Wednesday, September 6, 1916.

HPD PLAN 14.1



Interiors of new Springfield High School from the 1917-1918 Capitoline yearbook which was the first school year in the new building.

HPD PLAN 14.1



Circa (fall) 1917 illustrating east and south elevations with biology greenhouse featured prominently on south elevation. Photo courtesy Sangamon Valley Collection Lincoln Library.



Circa 1922 illustrating east and north elevations. Photo courtesy Sangamon Valley Collection Lincoln Library.



Circa late 1950's illustrating central portion of east elevation with dual entries before significant window modifications and removal of decorative parapet and stone details completed by the start of 1960. Photo courtesy Sangamon Valley Collection Lincoln Library.

HPD PLAN 14.1



Aerial photo taken in 1960 or 1961 illustrating both the former "Central high school" on Adams Street and the current SHS on Lewis Street. Central high school was demolished in September 1961 and the renovations that modified the east central portion of SHS including the removal of the decorative parapets (which are not shown) was completed by January 1960. The large bell/clock tower of Central high school was removed between 1918-1961. Photo courtesy Sangamon Valley Collection Lincoln Library.

Over the course of its almost 104 years since the corner stone was laid, SHS has had several additions constructed as well as out buildings demolished and other improvements; however, it remains in many ways the school that was designed for the site. Just before the start of the 1960's new windows were installed and additional masonry added closing up larger window openings in the library at the same time as removal of portions of the decorative parapet on the east elevation. In the 1960's a free standing gymnasium and locker rooms was added to the west. In the 1980's, a large light well on the north side of the auditorium was filled with a multistory art room and the free standing gymnasium was connected to the original structure. In the 1990's a large addition was constructed to the north adding science classrooms and a commons space; a commons space was added to all high schools when a decision was made to keep the campuses closed such that students could not leave for lunch.

Historical Considerations for Springfield High School

While the cornerstone was laid in 1916, the first school year for the new Springfield High School (SHS) was 1917-1918. Today the original structure is very much on display when viewing toward the southeast corner; changed in the view of course are primarily the windows, the biology greenhouse, and 1998 science addition.



Historical considerations are similar to many other architectural decisions that involve material choices, massing, and other types of detailing in general. Given the strong east facing façade and its literal connection to downtown and as the terminus of an axis of Adams Street make it important to consider maintaining the datum lines of the façade as a part of possible additions. In 1998, an addition was constructed to the north by virtue of particular programming at that time that has the addition sit farther to the east than the main façade as well as the addition makes an awkward connection to the original structure; long range planning and programming should consider its removal or reconfiguration to blend more seamlessly with the original structure.

SHS's hierarchical former main entrances designed on either side of the tall center section of the original building making the noted terminus of Adams Street is an important landmark to those who live and work downtown. The current "main" entrance, due to security concerns among others, is on the south side of the building making it sometimes difficult for visitors to understand how to enter. Future work and new



HPD PLAN 14.1

programming should give consideration to reusing this important façade as the entry in a way that would be sensitive to the original design intent.



Fabulous and simple limestone details are evident on the primary east façade as well as in the parapet around the original structure. At some point around 1960, the Dutch (or Flemish) gables above each entry were removed as well as the limestone caps and urn-like detail that topped them. In addition, other limestone details were removed when the first set of new windows replaced the original. These are the type of details that could be recreated through the possible use of grant dollars that may be available for a historic structure such as SHS. (See page 3 for original limestone detailing.)





HPD PLAN 14.1

The interior of SHS initially had much greater access to natural light from larger windows to major light wells on the north and south sides of the auditorium as well as a large skylight between the entrance to the library and entrance to the balcony of the auditorium (shown below) at the second level. The notion of natural light was simply common place when the building was constructed and became less so over time due to advances in lighting and mechanical systems; however, daylighting is extremely important especially in schools. While it may not be possible to uncover existing closed original daylighting sources, there should be consideration given to enhance and incorporate daylighting into future work especially as it relates to the historic context.



SHS has two particular significant architectural design details that were constructed by noteworthy artisans. Those two features are the exterior mosaics and the interior water fountain surrounds. Every consideration should be made to not only preserve these features, but perhaps establish a care plan for their maintenance (if not already in place).

The 4 exterior mosaic panels depicting various scenes remain in good shape with only some glazing showing signs of wear. Similar Moravian Pottery & Tile Works mosaics were used on other projects designed by the original and lead architect (William B. Ittner). Similar mosaic materials were used to create 3 smaller panels above the original dual entrances.



When SHS was constructed it was near the end of the Arts and Crafts Movement (in the United States) and the 12 spectacular Rockwood Pottery Company water fountain surrounds are complete and full representations of that particular style. As interior work may be considered the

12 locations should perhaps be noted as off limits to change. It would seem this perhaps has been the case if not formally then informally. Unfortunately, over time as some water fountains have been replaced they have been replaced with units that block the decorative scene tiles; future replacements should enhance and not detract from these beautiful and valuable installations.

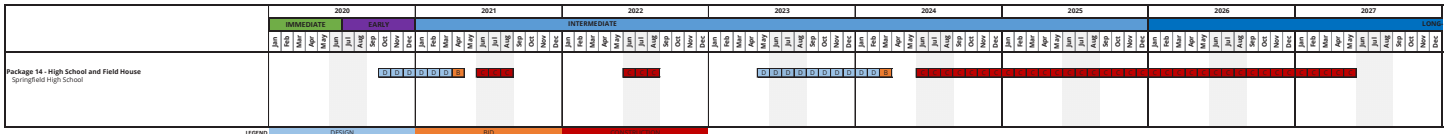


HPD PLAN 14.1



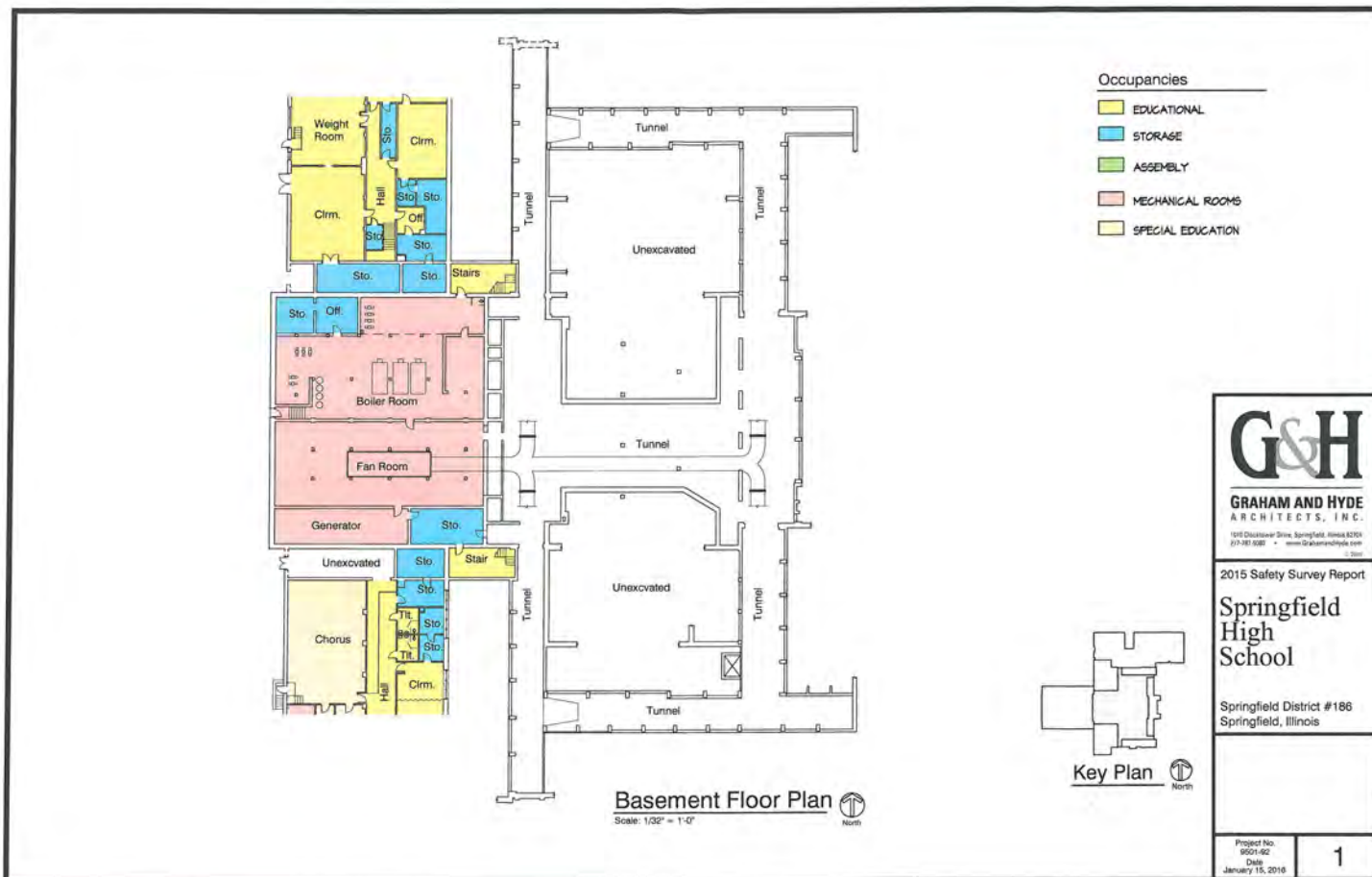
PROJECT SCHEDULE 14.1

Master Summary Schedule
December 2, 2019

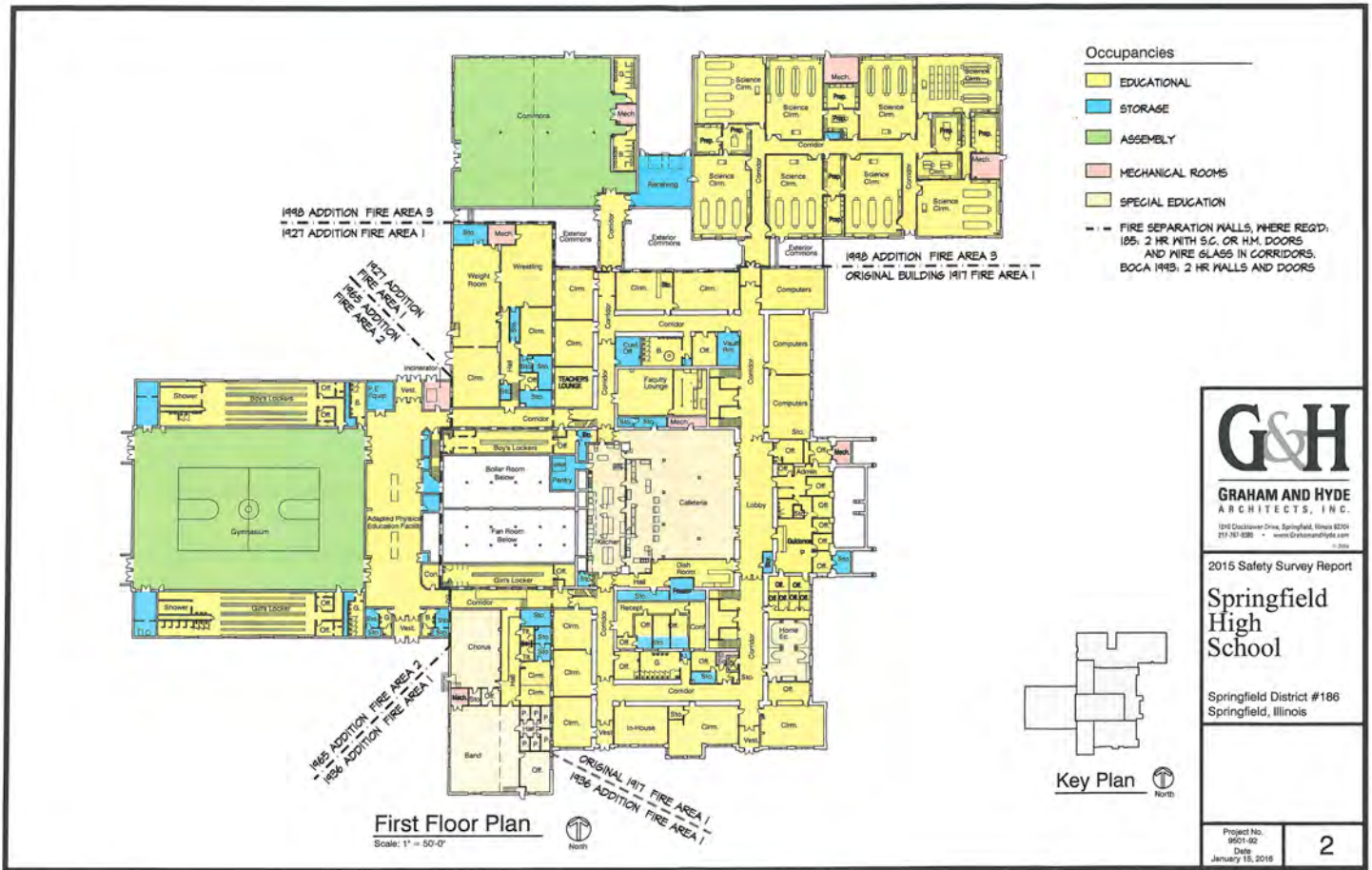


(REVISED OCTOBER 2020)

EXISTING CONDITIONS: FLOOR PLAN 14.1



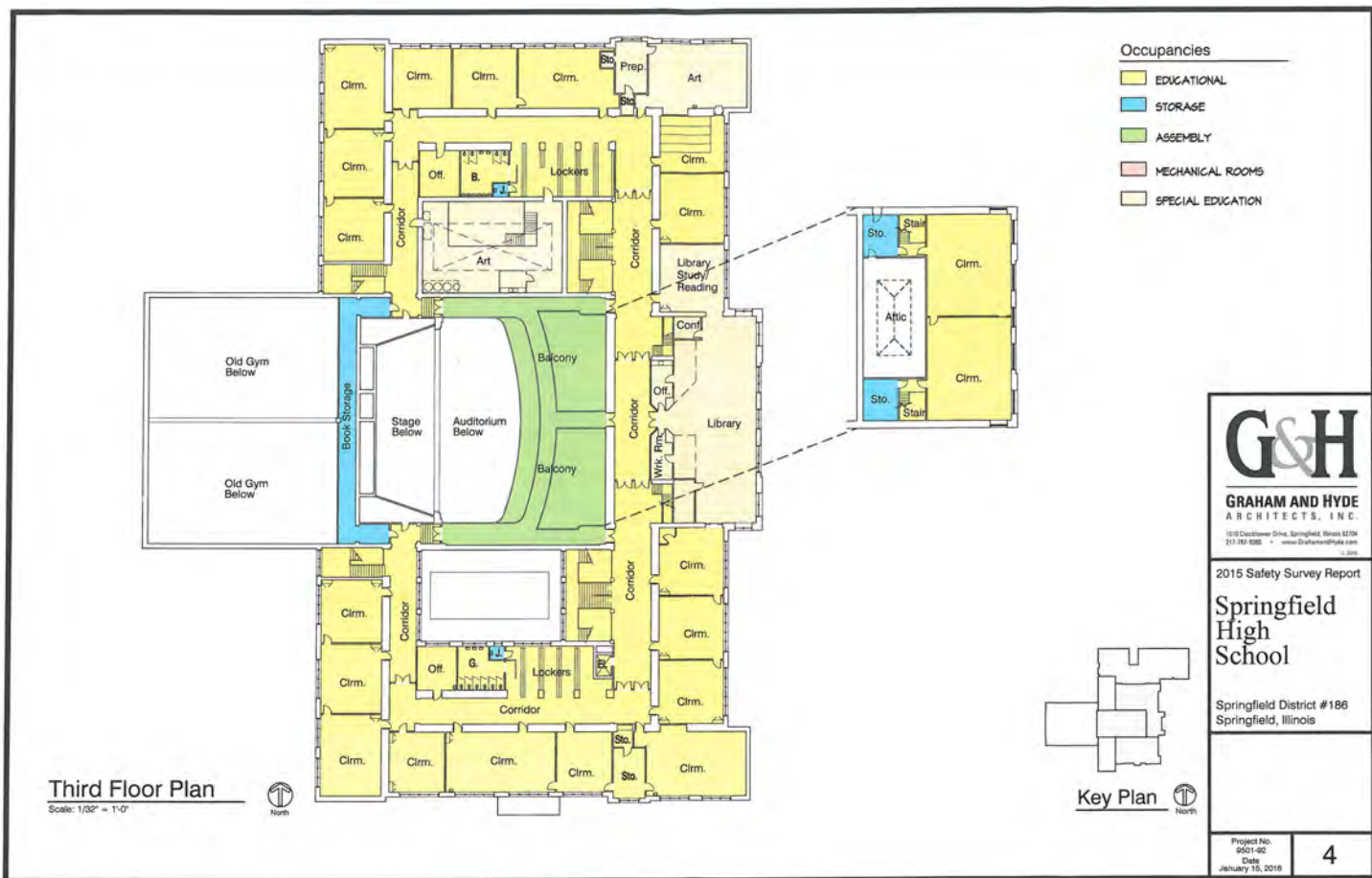
EXISTING CONDITIONS: FLOOR PLAN 14.1



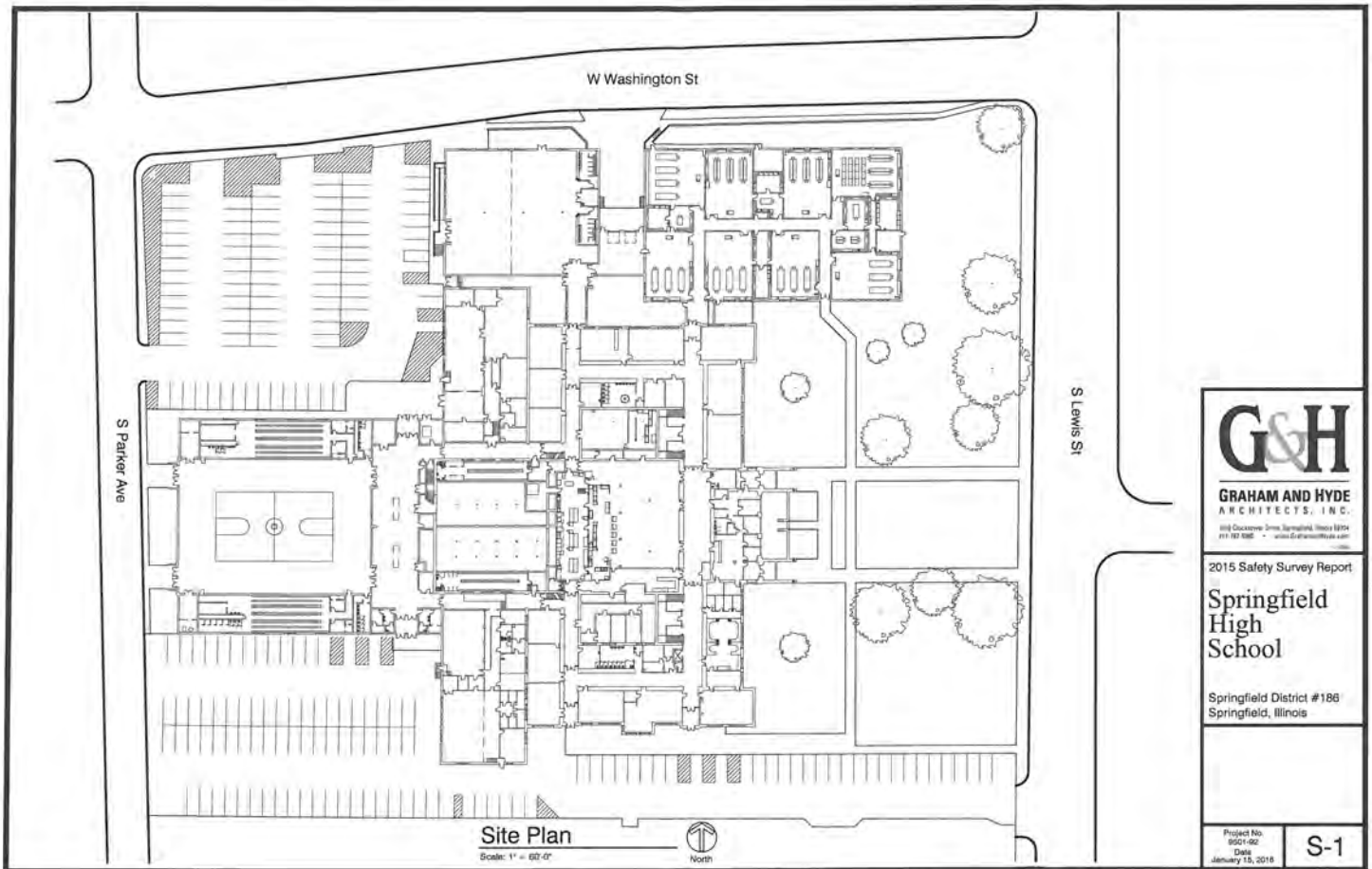
EXISTING CONDITIONS: FLOOR PLAN 14.1



EXISTING CONDITIONS: FLOOR PLAN 14.1



EXISTING CONDITIONS: SITE PLAN 14.1



SPRINGFIELD
DISTRICT 186 SCHOOLS
SPRINGFIELD HIGH SCHOOL
SITE ASSESSMENT
JANUARY 2020

SPRINGFIELD HIGH SCHOOL

I. GENERAL

- The proposed addition replaces concrete sidewalk, temporary buildings, and grass surface with building.
- Traffic flow patterns for student drop-off or pick-up should be assessed.
- An e-mail from the Illinois Department of Natural Resources, noted their review of the Illinois Natural Heritage Database contained no record of State-listed threatened or endangered species, natural area inventory sites, nature preserves, or land and water reserves in the vicinity of this school.
- Vasconcelles Engineering Corporation (VEC) submitted a letter to the Illinois Historic Preservation Agency (IHPA) on December 2, 2019. (see attached letter)

II. ZONING

- The zoning for Springfield High School is zoned R-3B as are the properties to the west and north. The parcel of property to the south is zoned R-5 and the property to the east is zoned S-1.
- Front yard setback = 20'; side yard = 4' for building under 3 stories and 7' for building 3 stories and taller, each side and 12' total for both sides for buildings under 3 stories and 16' for building 3 stories and taller; rear yard = 20'

III. DRAINAGE

- Drainage of the area is generally away from the building east toward Lewis Street, south toward Monroe Street, and north towards Washington Street.

IV. SEWERS

- There is a 12" and a 66" combination sewer running down Lewis Street. It appears the sanitary sewer service exists Springfield High on the east side and ties into the 66" combination sewer.
- There is also a 12" combination sewer running down Parker Ave.
- There is storm sewer located in Washington Street.

V. ELECTRIC

- Electric service is from the west and south.

VI. GAS

- There is a gas main in Parker Ave. on the west side of the school and another one in Washington Street north of the school.

VII. WATER

- Water service is from the north tying into a water main in Washington Street. There is also a water main in Parker Ave. west of the school and Lewis Street east of the school.

VIII. DETENTION

- If the outlet system from the detention storage is connected to a storm sewer system or a waterway, the proposed condition 10-year and 100-year frequency

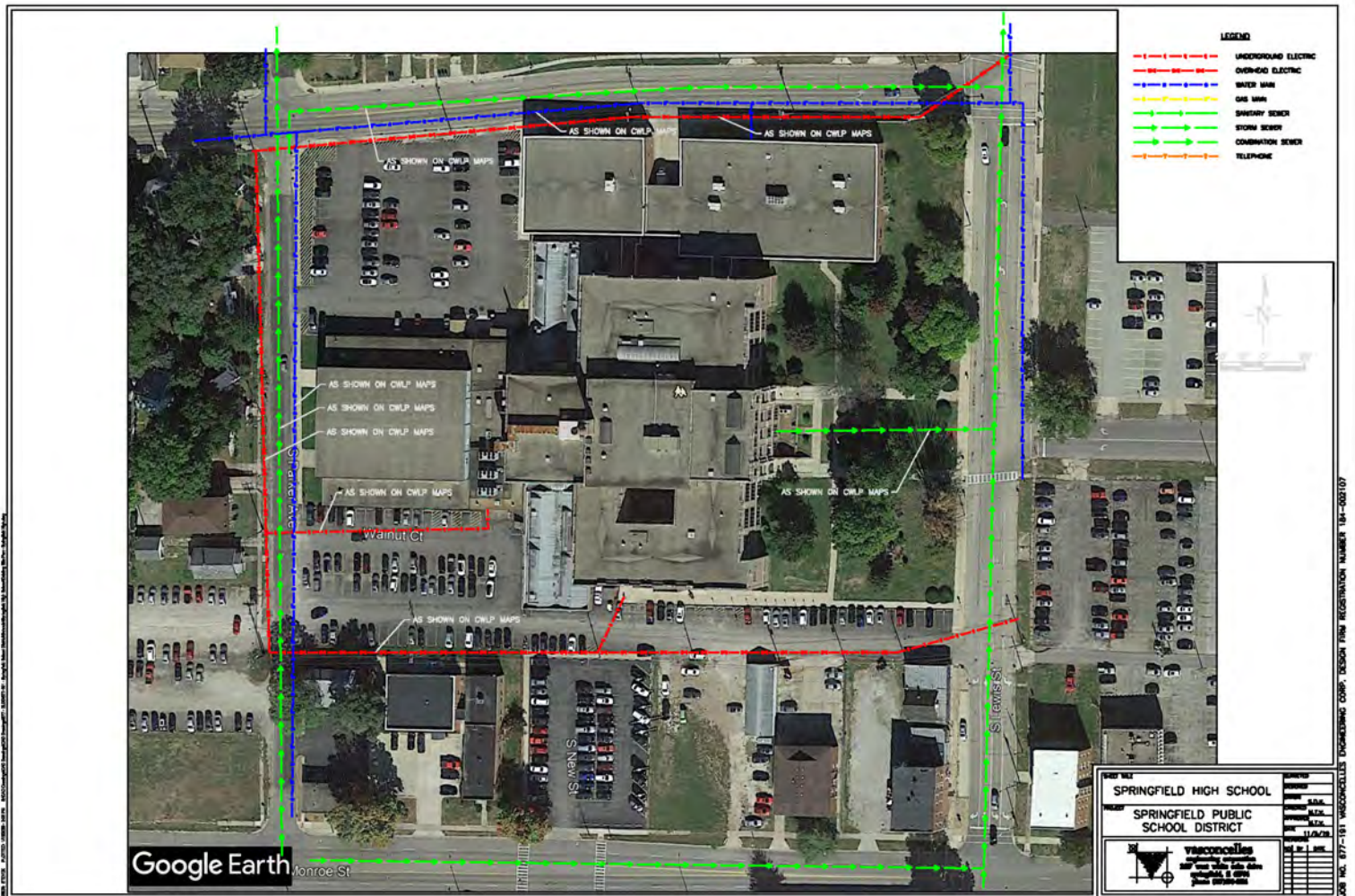
release rates are typically required to be no greater than the existing condition 10-year and 100-year frequency flow rates to the storm sewer or waterway.

IX. UNDERMINING

- The school property is not located in an underground mine region.

X. EXTERNAL FLOOD

- The school property is not depicted in a special flood hazard area on a Flood Insurance Rate Map as there is not special flood hazard area in the vicinity of the school.



SHS-4

AERIAL 2018-10-16

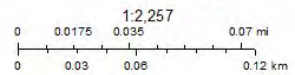


PARCELS

Sangamon County GIS



January 15, 2020



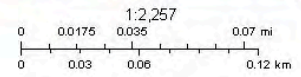
Note
Copyright 2019

2007 CONTOURS

Sangamon County GIS

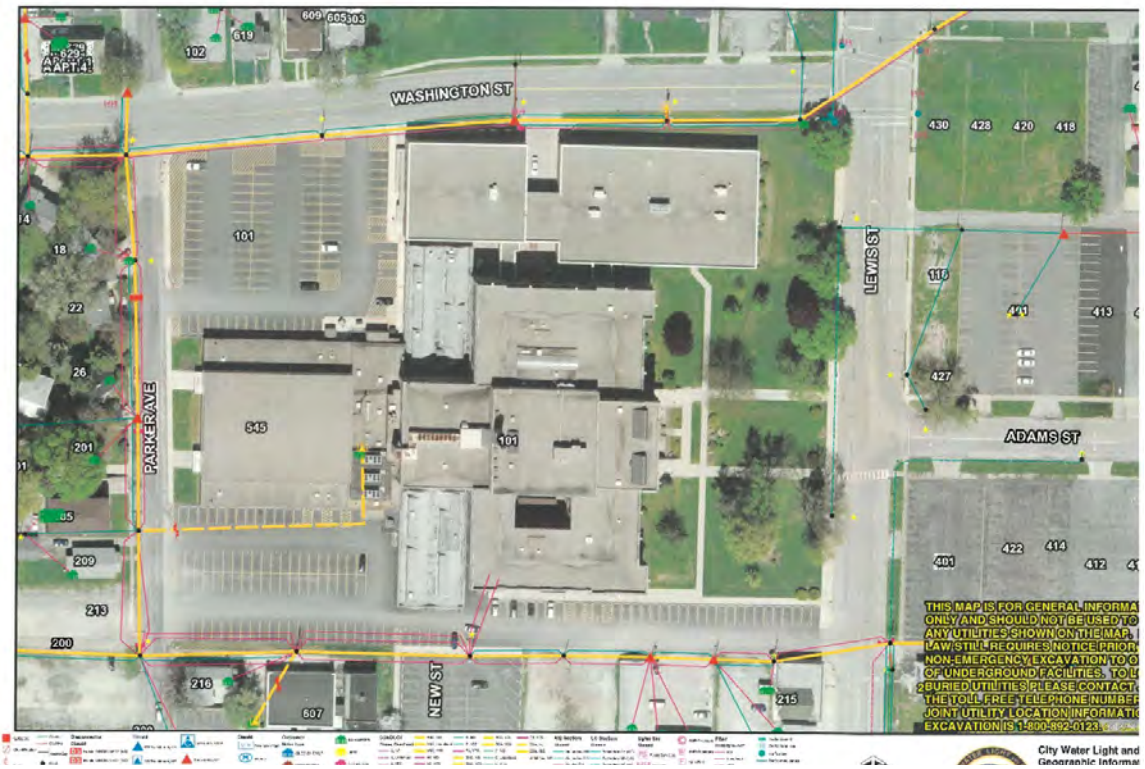


January 15, 2020

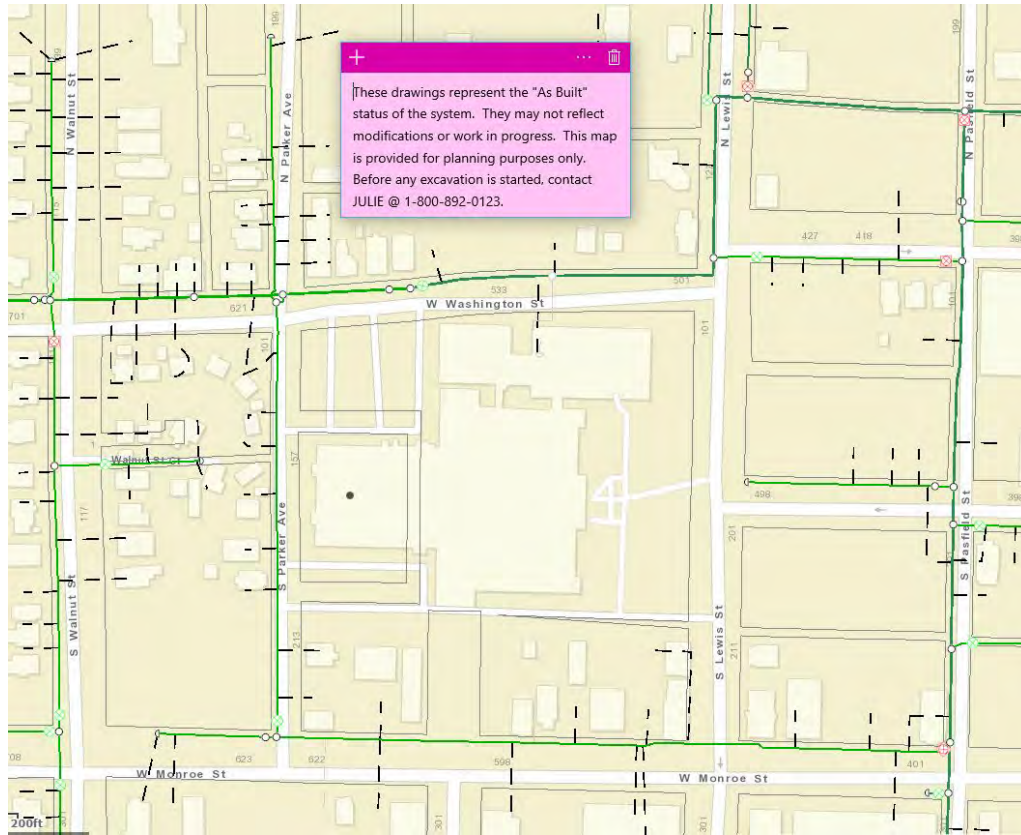


No. 8
Copyright 2019

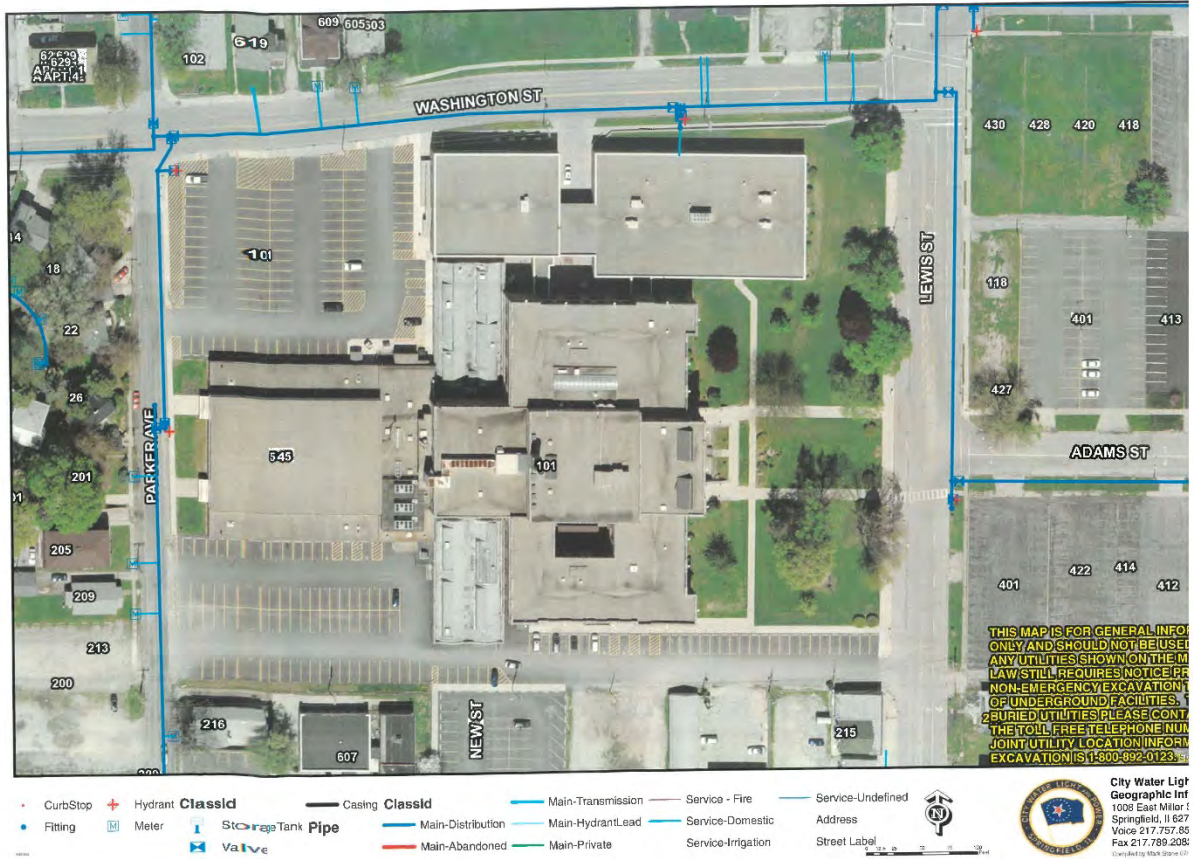
ELECTRIC MAP



GAS MAP

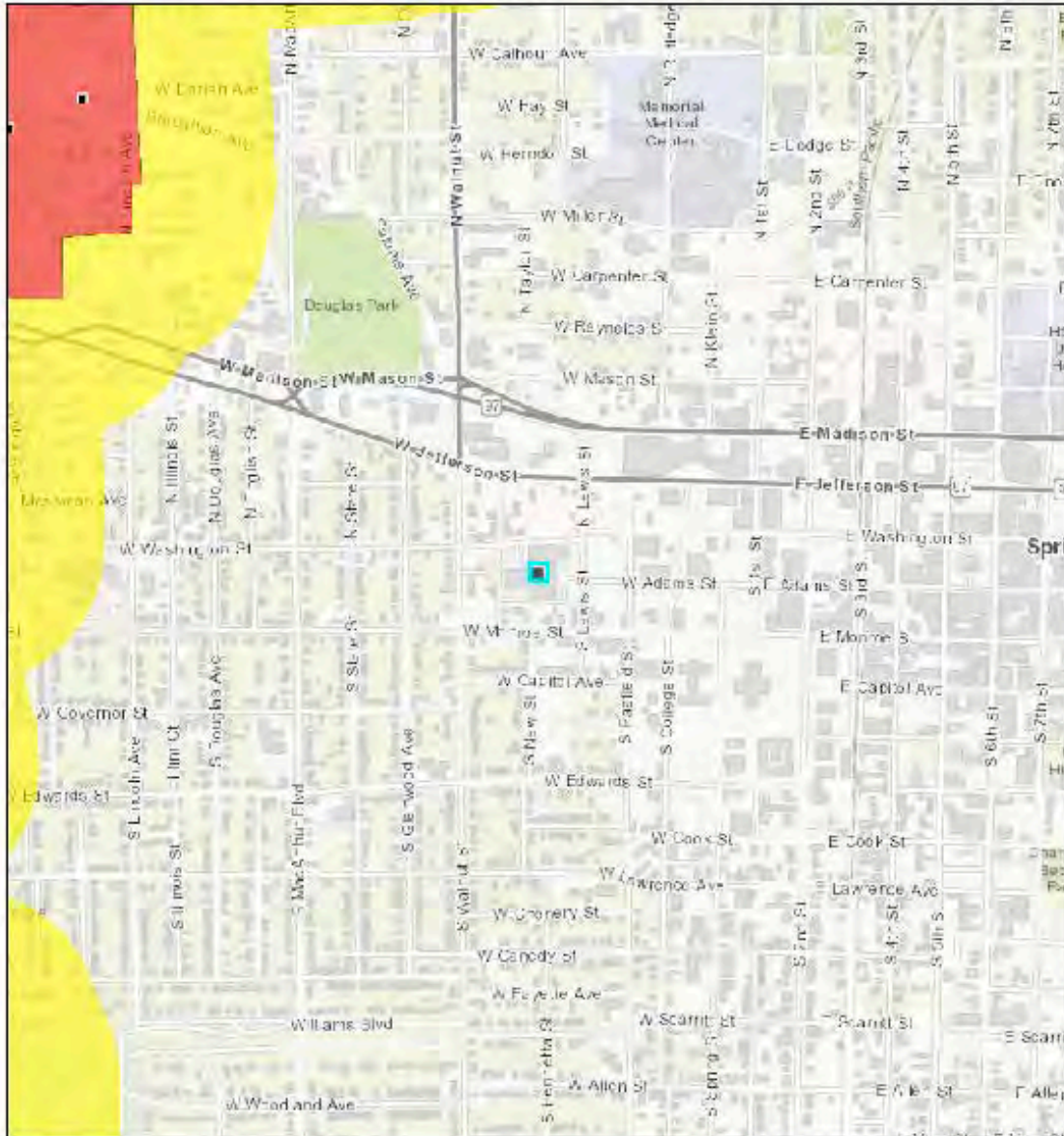


WATER MAP




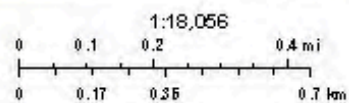
UNDERGROUND MINE MAP

Illinois State Geological Survey -- ILMINES



1/15/2020, 1:46:34 PM

- | | |
|--|--|
|  Underground Mine Buffer Region |  Indefinite Underground Mine Boundary |
|  Non Coal Mines |  Surface |
|  Underground Coal Mines |  Non Coal Mine Shaft |
|  Underground |  Coal Mine Shaft |



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBC, IGN, Kataer NL, OpenStreetMap contributors, and the GIS User Community, PR1 - DGS

Illinois State Geological Survey -- ILMINES
Prairie Research Institute, University of Illinois

Applicant: Vasconcelles Engineering Corp
Contact: Steve Kuper
Address: 2417 West White Oaks Dr.
Springfield, IL 62704

Project: Springfield High School
Address: 101 South Lewis Street, Springfield

IDNR Project Number: 2003964
Date: 11/01/2019

Description: Building Addition

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database contains no record of State-listed threatened or endangered species, Illinois Natural Area Inventory sites, dedicated Illinois Nature Preserves, or registered Land and Water Reserves in the vicinity of the project location.

Consultation is terminated. This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary. Termination does not imply IDNR's authorization or endorsement.

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Sangamon

Township, Range, Section:
16N, 5W, 33



IL Department of Natural Resources

Contact

Brian Willard
217-785-5500
Division of Ecosystems & Environment

Government Jurisdiction

IL Environmental Protection Agency
Amy Dragovich
1021 North Grand Ave. East
Springfield, Illinois 62701

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.

2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.

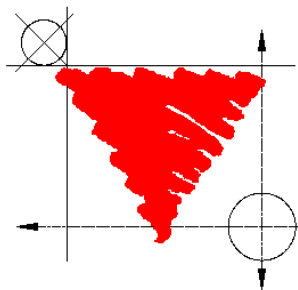
3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy



vasconcelles

engineering corporation

Principals

James Vasconcelles
Mark Vasconcelles, P.E.
Shayla Pfaffe, P.L.S.
Trent Dalton
Steve Kuper
Wendi Wallner

December 2, 2019

Illinois Department of Natural Resources
Illinois Historic Preservation Office
Attn: Review and Compliance/Old State Capitol
1 Natural Resources Way
Springfield, IL 62702

RE: Springfield High School, Springfield, IL

To whom it may concern,

The Springfield Public Schools are planning to construct an addition to Springfield High School, 101 South Lewis Sreet, Springfield, IL. Enclosed is a general location map to assist you in understanding the location of the proposed addition.

We will be filling out the Notice of Intent for the Illinois Environmental Protection Agency NPDES permit and wanted to consult your office in regards to Historic Preservation.

I am requesting your review of this information. If you have any questions or need additional information, please feel free to contact me.

Sincerely,

VASCONCELLES ENGINEERING CORPORATION

Steven D. Kuper

Enclosure

sdk
677-191

Consulting Engineers

Springfield Office
2417 West White
Oaks Drive
Springfield, IL 62704

217.698.3114
Fax 217-698-3115

1.800.727.4VEC

E-mail
vec@vasconcelles.com



DISTRICT 186
SPRINGFIELD PUBLIC SCHOOLS

TRANSFER PACKAGE #15

SPRINGFIELD SOUTHEAST
HIGH SCHOOL

**OUR SCHOOLS
OUR FUTURE**

FACILITIES MASTER PLAN, PHASE 1 2020
(REVISED OCTOBER 2020)

PROJECT MANAGEMENT TEAM

BLDD Architects

IDG Architects

O'Shea Builders

CJP Architects

Vasconcelles Engineering

Hanson Engineering

CONTENTS

15.1 Springfield Southeast High School

Project Summary.....	15.1-1
Building Programs.....	15.1-4
Project Budget.....	15.1-5
Design Intent	
Design & Scope Diagrams	15.1-6
Project Schedule	15.1-8
Existing Conditions	
Floor Plans.....	15.1-9
Site Plans	15.1-11
Site Assessment.....	15.1-12

PROJECT SUMMARY 15.1

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

SOUTHEAST HIGH SCHOOL

Grades: 9–12 Enrollment: 1229
Address: 2350 E. Ash St. Springfield, IL 62703
Year of original construction: 1966
Building additions: 1998



This package includes phased upgrades and additions to the existing facility to provide a future-focused 1,200 student high school, ensuring equitable opportunities and program support for all secondary students in the district. The facility will support current and allow future educational needs of students through evidence-based and flexible design.

Design Intent

- A fieldhouse addition that provides a state-of-the-art, district-wide, indoor athletic facility. This addition should accommodate:
 - IHSA indoor track and field competitions
 - multiple practice/competition space for basketball, volleyball, tennis, wrestling, and other indoor sports.
 - Provide training and practice facilities for baseball, softball, football, track and field
- Provide remodeled training and locker room facilities to support the SSSHS programs and support the district-wide activities.
- Improve performing arts spaces with upgrades to the existing auditorium systems and additional back stage areas in an addition.
- Improve school security with an administrative addition, secure entry areas, and improved parking and circulation on the site.
- Create additional team space at the track and stadium to support outdoor athletics

Project Specific Recommendations

Site

- Develop clear site circulation for student parking, visitor access, bus and staff parking, and event parking.
- Utilize the additions to create clear points of entry to the secured vestibules.

Building Construction

- Provide aesthetic that is complementary to existing Springfield Southeast High School.
- Utilize modern precast, glazing, and metal panel systems to update the 1960's precast structure.
- Match existing floor, paint, and ceiling finishes with products from the district standards
- Provide signage and wayfinding to create a cohesive visitor and student experience.
- Extend flooring, paint patterns and schemes, ceilings, and other finishes with products matching or complementary products from the district standards.
- Allow future additions and renovations to be accommodated in future phases

PROJECT SUMMARY 15.1

MEP

- Extend existing electrical service with to a sub panel for distribution to additions.
- Extend current HVAC systems and provide air conditioning to new areas via standalone systems
- Extend Fire Alarm, Fire Protection

Technology

- Extend existing security, data networks, Wi-Fi network, telecom, bell and paging systems.

Health, Life & Safety Implementation

- Work to be coordinated with Darrell Schaver, Director of Operations and Maintenance

Construction Delivery Method: This project is to be constructed via Design-Bid-Build.

Design Considerations

All educational facilities should include design considerations that facilitate educational delivery and mitigate the transmission of infectious diseases during a public health emergency.

These considerations should include the following topics at a minimum:

School Nurse Facilities

Provide at a minimum provide access to dedicated handwashing and toilet facilities adjacent to the cot and office areas. If possible, locate Nurse office/cot space adjacent to spaces that can be converted to isolation or additional cot space during a contagious event. These adjacent spaces like all nursing spaces should allow for easy sanitizing and when possible should have direct access to a public exit to prevent contamination of adjacent areas. Design space to allow access to medication and supplies without cross-contamination cot space or areas used for isolation.

Interior Surfaces

Select and specify surface materials and details that facilitate cleaning and reduce the potential transmission of viral, bacterial, fungal, and other contagions.

Circulation

Designs should allow for safe travel throughout the building with minimal contact. The design of commons areas, lobbies, corridors, and other primary arteries of circulation is to be evaluated for their ability to accommodate the need for increased social distancing, one-way traffic flow, and zoning of occupants. Consider the reduction of two-sided locker hallways, narrow corridors that are restricted by solid walls, and designs that increase 1-way travel distances.

Student Storage

Consider design options that eliminate or reduce dedicated student storage, such as lockers, locker commons, etc. that increase travel distances and unnecessary student interaction during passing periods. Consider policy ramifications of decisions when appropriate.

Faculty Space

Create faculty assigned spaces that can allow modifications to reduce the transmission and exposure of infectious diseases. These may include offices and faculty storage, suites of learning environments, or other groups that allow more sharing of space to reduce student travel, remote learning, team teaching, or other modifications.

PROJECT SUMMARY 15.1

Increased Flexibility in Facility and Equipment

Design classrooms and shared spaces to allow rooms to grow or shrink to allow different seating layouts and capacities. Strategies may include:

- Increase views to adjacent spaces to allow the monitoring of students beyond the classroom.
- Limit fixed casework to increase wall surfaces for additional operable walls, windows, and doors to allow shared access.
- Reduce small, dedicated, but limited-use spaces that reduce adaptability.
- Limit fixed shelving and equipment placement to the perimeter of large spaces, such as libraries, commons, specialty labs, etc. to allow them to be reconfigurable for additional capacity.
- Consider alternatives to fixed seating in auditoriums, theaters, and cafeterias to allow different uses.
- Include integrated and flexible open learning spaces along primary circulation paths to allow education spaces to expand or traffic circulation changes.
- Maximize the use of operable walls.
- Increase the ability to distance users within athletic facilities, including locker areas and training spaces.

Exterior Considerations

Allow for additional screening cueing at all main entries. Develop outdoor classroom areas that can extend the building's capacity. Provide shelter and the ability to deploy portable heating and cooling equipment to extend usability.

Food Service

Increase access to handwashing stations in dining areas, allow for grab and go service, reduce lines and cueing, select easily washable/cleanable furniture, and accommodate for capacity changes.

Hygiene

Consider additional handwashing and sanitizing stations throughout the facility. Consider additional gender-neutral toilet room designs to allow greater capacity during more frequent cleaning and sanitizing of toilet facilities.

Mechanical Systems

Consider additional indoor air filtration, air exchanges, and zoning to minimize exposure to air-borne infections. Employ dedicated out-door air or small group zoning strategies to minimize facility-wide exposure. Utilize system designs that encourage good maintenance procedures by making future access uniform and convenient. Increase the quality of filtration systems and air quality monitoring systems. Integrate the latest guidance by ASHRAE for educational facilities, including any supplemental guidance, such as guidance for the safe reopening of schools.

PROJECT BUDGET 15.1

Springfield Southeast Field House Springfield School District 186

October 7, 2020

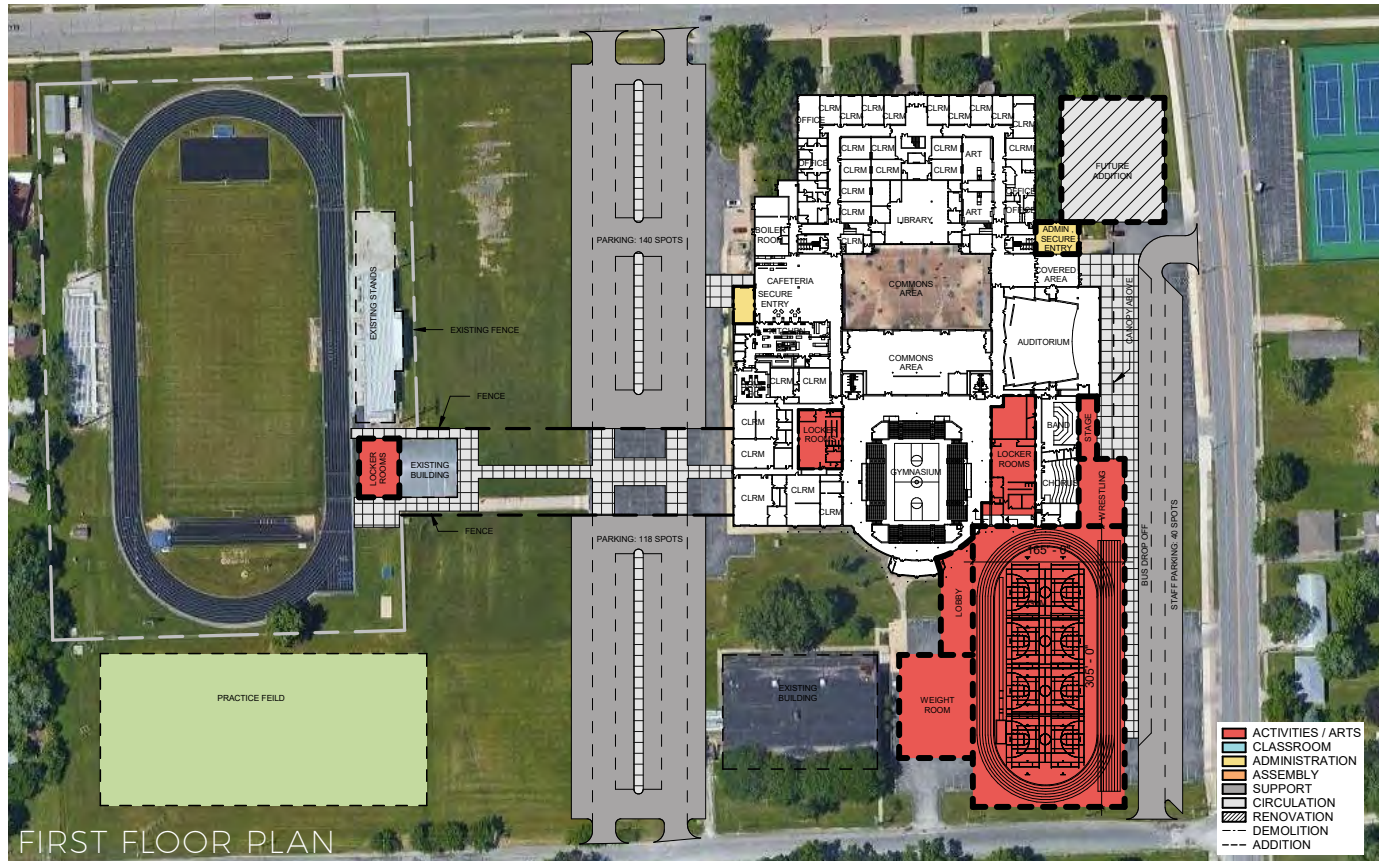
CONSTRUCTION BUDGET			\$26,447,655
SCOPE			\$23,290,100
Addition	66525 sf	240	\$15,966,000
Major Remodel	11800 sf	180	\$2,124,000
Site Parking	140900 sf	14	\$1,972,600
Renovate (12) Toilet Rooms			\$2,000,000
Replace concession building roof			\$35,000
Replace PA system			\$60,000
High School - Replace Gym AHUs			\$320,000
Renovate Auditorium			\$812,500
CONTINGENCY			\$3,157,555
Design Contingency	5%		\$1,164,505
Bidding Contingency	5%		\$1,222,730
Construction Contingency	3%		\$770,320
SOFT COSTS			\$2,011,084
SITE ACQUISITION AND EVALUATION			\$22,500
Land Purchase			
Topographical Survey			\$12,500
Geotechnical Survey			\$10,000
FEES AND SERVICES			\$1,788,584
Architect/ Engineering Design Fees	6.90%		\$1,718,584
Interior Design Fees			\$10,000
Food Service Consultant			
Theater, Lighting & Rigging Design Consultant			
Acoustical/Audio/Video Design Consultant			
Technology Design Services			\$10,000
Reimbursable Expenses			\$50,000
OTHER COSTS			\$200,000
Technology, Telecom, Security			\$100,000
Furnishings, Fixtures, Equipment			\$100,000
Abatement			

PROJECT BUDGET **\$28,458,739**

PROJECT BUDGET - Escalated 3% 2024 **\$32,030,562**

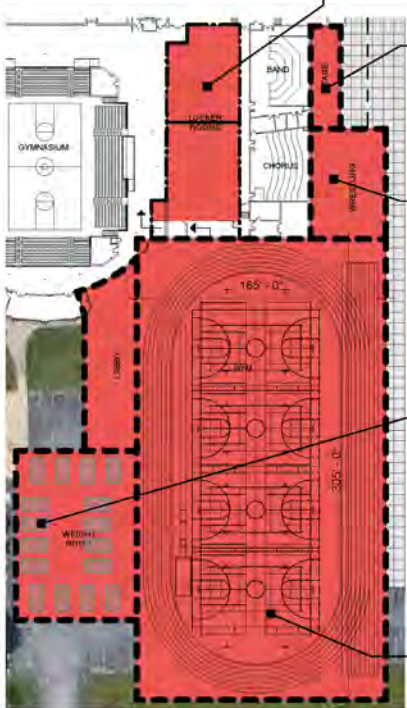
(REVISED OCTOBER 2020)

DESIGN DIAGRAM 15.1



SCOPE DIAGRAM 15.1

Locker Rooms: Provide male and female locker room space that can be separated to support up to 4 teams simultaneously. Provide student locker storage for the entire student population and athletes for the team sports each season. Include offices for coaches, athletic storage, training room space, uniform storage, and toilet and shower facilities to meet the program needs and code requirements. Locker rooms be configured to allow equitable access to both the dome and the fieldhouse for both male and female athletes.



First Floor
Scale 1"=60'-0"

Back Stage Area: Male and female dressing room, make-up area, scene shop, costume and prop storage

Wrestling Room: Provide space for 40' wide mats with up to 12 practice circles. Have overhead doors to connect wrestling to the field house to allow mats to be moved easily between the two spaces. Provide wall pads on all exposed corners to 5' high. Provide space for portable fitness equipment, benches, and training equipment.

Weight and Fitness Room: Include space for team and individual fitness and zone for both free-weight training and circuit training. Include direct and controlled access to the lobby, exterior and the fieldhouse. Provide card access to allow extended district or community use beyond the school day

Fieldhouse: Provide space for 4 IHSA regulation basketball courts with retractable goals, Volleyball courts with recessed sleeves, 200M indoor track with 6 lanes and 8 sprint lanes. Equipment for Pole vault, long jump and shot put events. Provide retractable divider curtains at the track edge and between courts, overhead batting cages, and scoreboards. Include equipment storage

Locker Room Remodel: Dedicated team space for seasonal sports, officials dressing rooms and training areas



Outdoor Locker Room: Dedicated football locker room space with team room with space for visiting teams and locker space for outdoor sports. Officials changing room and coaches spaces.



Design Considerations

1. Utilize the addition to add interest and update the original precast concrete facility. Consider materials that add color or texture to complement the simple textured concrete exterior.
2. Extend the student and visitor experience beyond the building by adding exterior amenities that provide a safe space for students to reconnect to nature and safely enter and exit the facilities.
3. Maximize educational opportunities by providing educational functions to circulation and lobby space. Consider views from faculty controlled areas that can be controlled by the educator to permit student to use areas adjacent to primary teaching areas for breakout and collaboration.
4. Develop a color and finish palette that can be expanded to the existing building in later phases.

SOUTHEAST HIGH SCHOOL

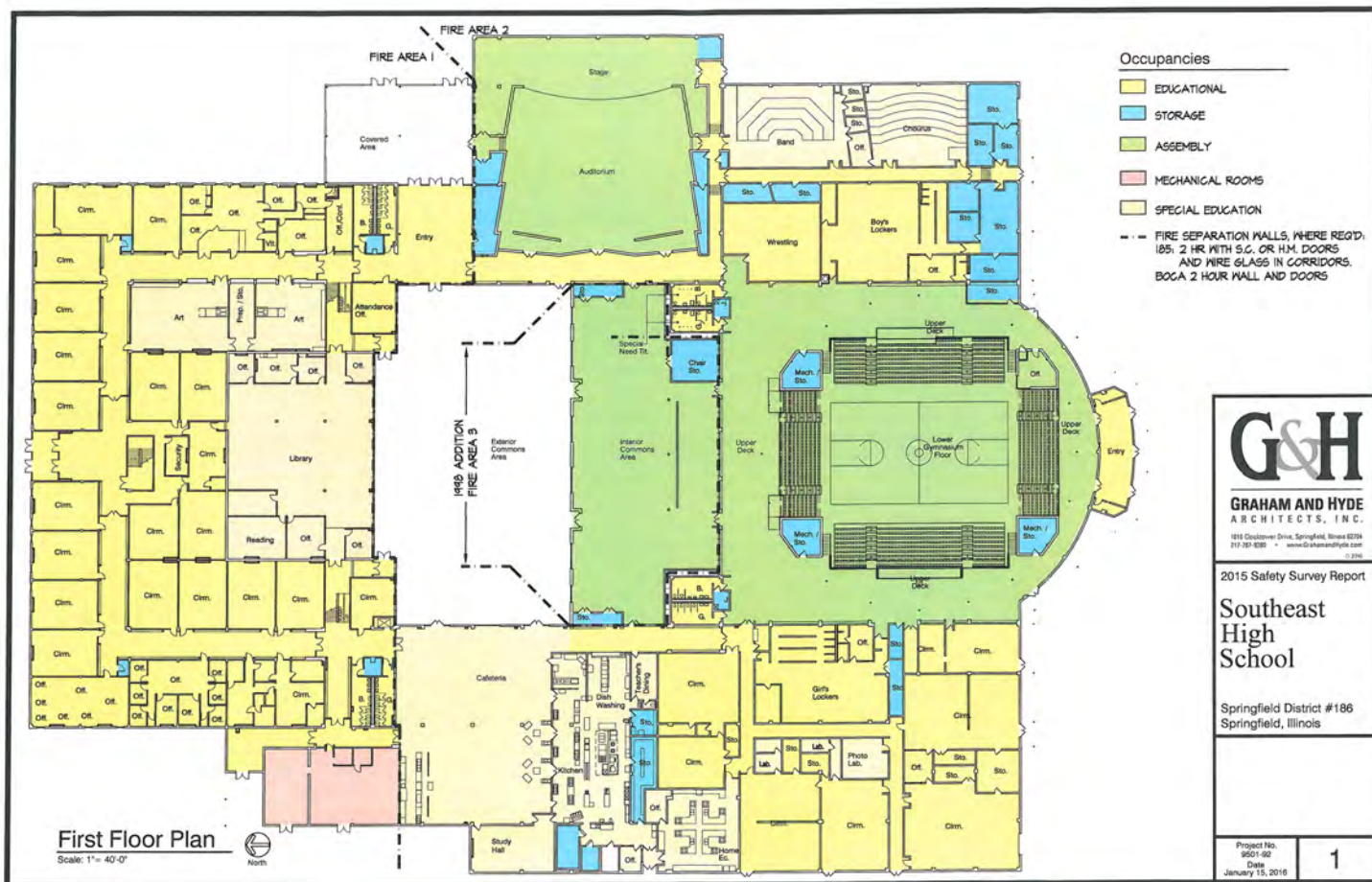


Secure Entry: Administrative space with transaction window maintain direct visual control over student entry and approach from reception as well as cameras. Provide opening with emergency shutter or window.

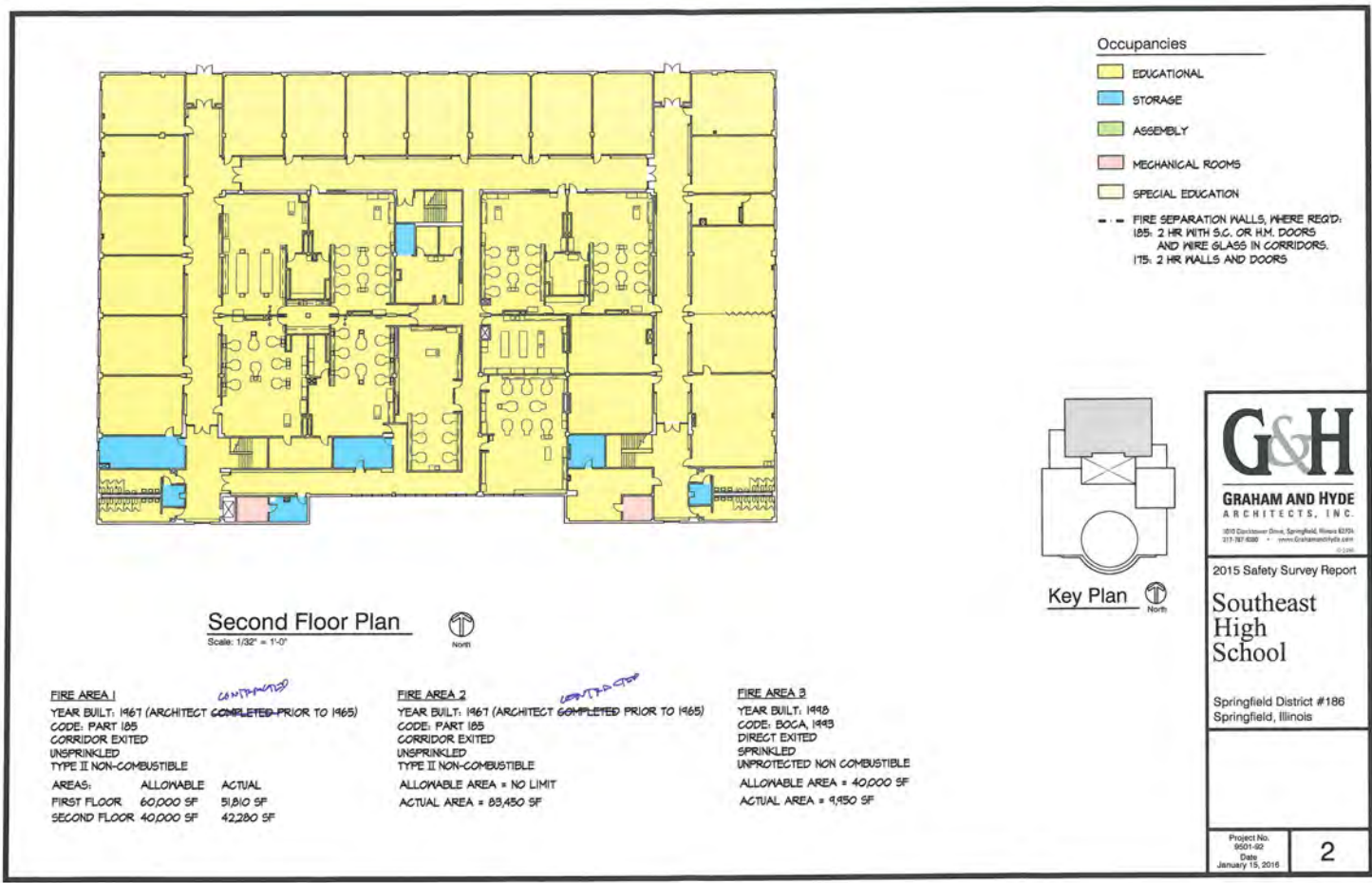


Reception space with transaction window maintain direct visual control over entry and approach from reception as well as cameras. Provide opening with emergency shutter or window.

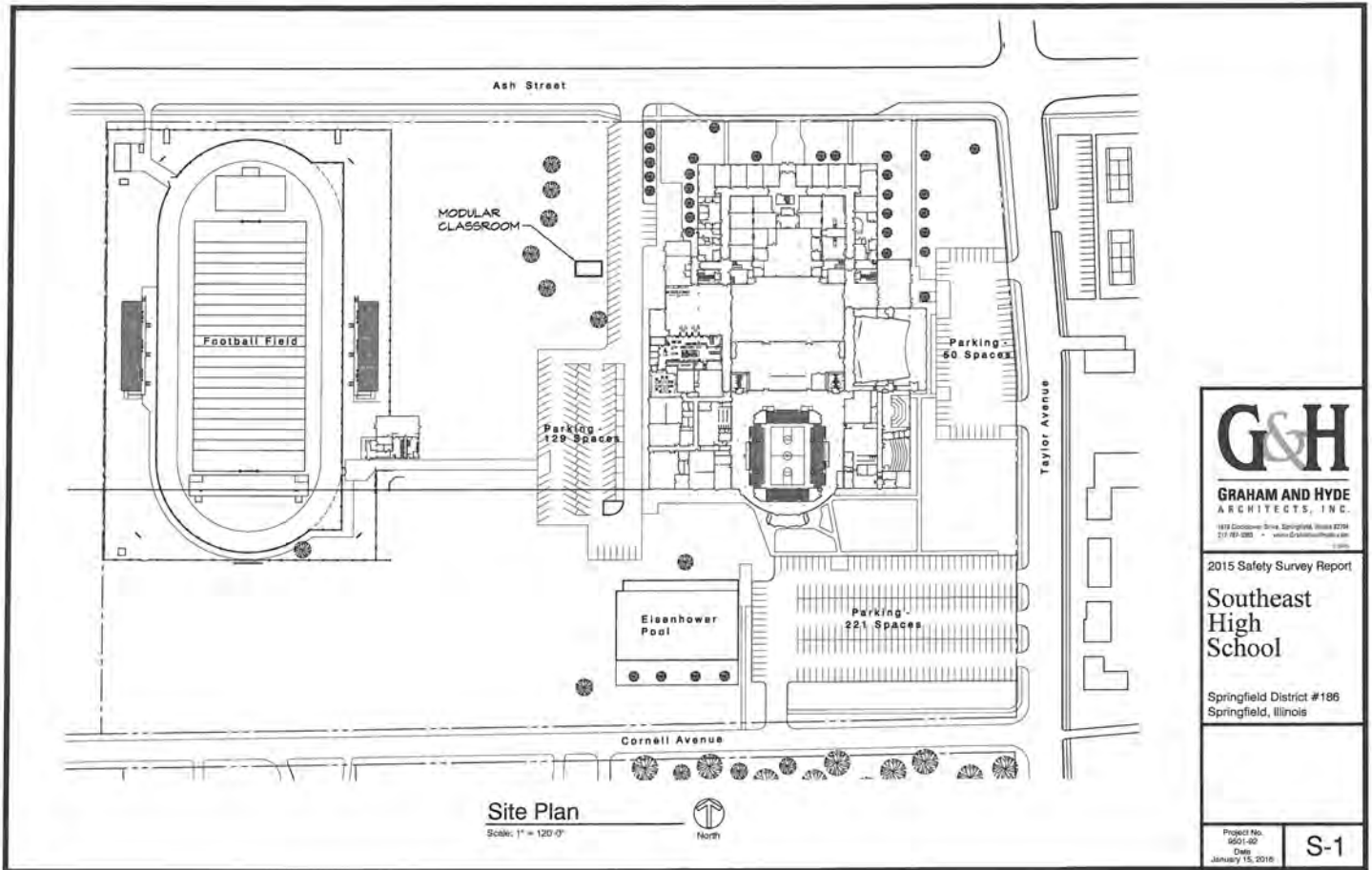
EXISTING CONDITIONS: FLOOR PLAN 15.1



EXISTING CONDITIONS: FLOOR PLAN 15.1



EXISTING CONDITIONS: SITE PLAN 15.1



SPRINGFIELD
DISTRICT 186 SCHOOLS
SOUTHEAST HIGH SCHOOL
SITE ASSESSMENT
FEBRUARY 2020

SOUTHEAST HIGH SCHOOL

- I. GENERAL
 - The proposed addition for Southeast High School includes a new fieldhouse south of the existing football field and north of Cornell Ave.
 - An e-mail from the Illinois Department of Natural Resources, noted their review of the Illinois Natural Heritage Database contained no record of State-listed threatened or endangered species, natural area inventory sites, nature preserves, or land and water reserves in the vicinity of this school.
 - Vasconcelles Engineering Corporation (VEC) submitted a letter to the Illinois Historic Preservation Agency (IHPA) on December 2, 2019. (see attached letter for their response)
- II. ZONING
 - The zoning for Southeast High School is R-2 as are the properties to the west and north. The parcel of properties to the south and east are zoned R-1.
 - Front yard setback = 25'; side yard = 3' each side and 10' total for both sides; rear yard = 20'
- III. DRAINAGE
 - The fieldhouse will be located at a high point and the drainage will be flowing away in all directions.
- IV. SEWERS
 - There is a 66" combination sewer running down Cornell Ave. and a 12" sanitary sewer running down Ash Street.
 - There is storm sewer located in Ash Street.
- V. ELECTRIC
 - There is an electric service running along the west side of the school. An electric line also runs down Cornell Ave. which could service the new field house.
- VI. GAS
 - There is a gas main in Ash Street, Taylor Ave. and Cornell Ave. There is also a main or service which runs along the west side of the school.
- VII. WATER
 - A water main circles the entire school. There is also a water main which runs down Cornell Ave. which could service the new field house.
- VIII. DETENTION
 - If the outlet system from the detention storage is connected to a storm sewer system or a waterway, the proposed condition 10-year and 100-year frequency release rates are typically required to be no greater than the existing condition 10-year and 100-year frequency flow rates to the storm sewer or waterway.
- IX. UNDERMINING
 - The school property is located in an underground mine region.

X. EXTERNAL FLOOD

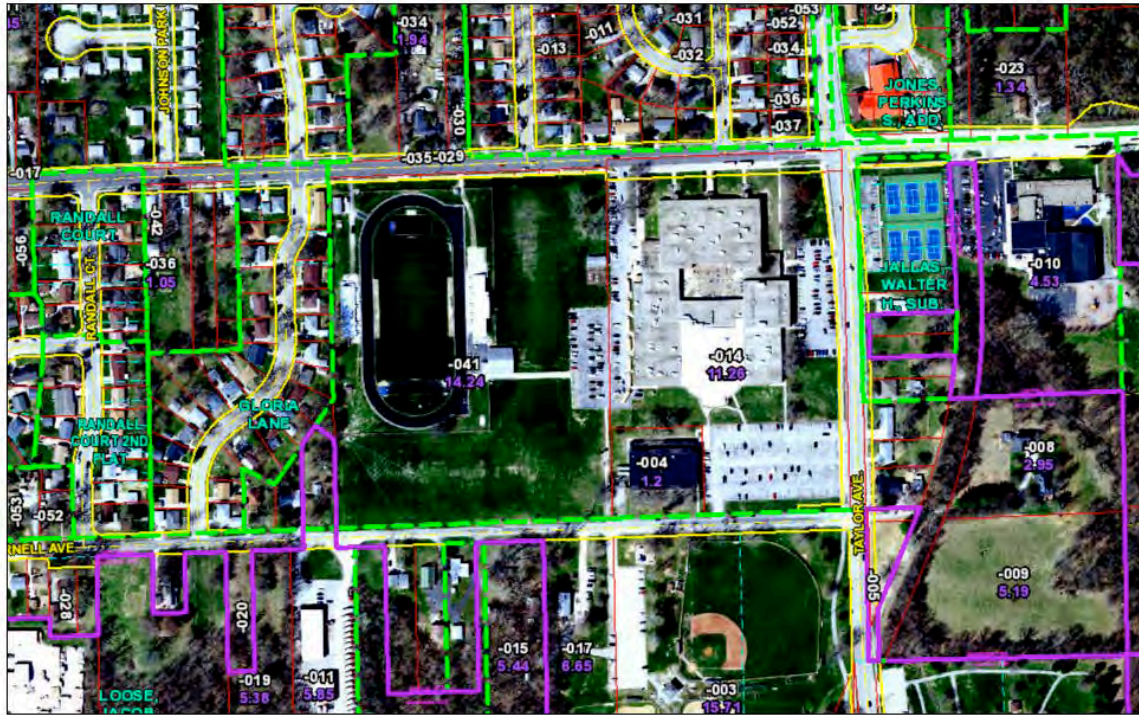
- The school property is not depicted in a special flood hazard area on a Flood Insurance Rate Map as there is not special flood hazard area in the vicinity of the school.

AERIAL PHOTOGRAPH

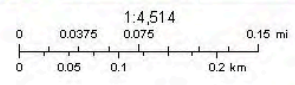


PARCELS

Sangamon County GIS

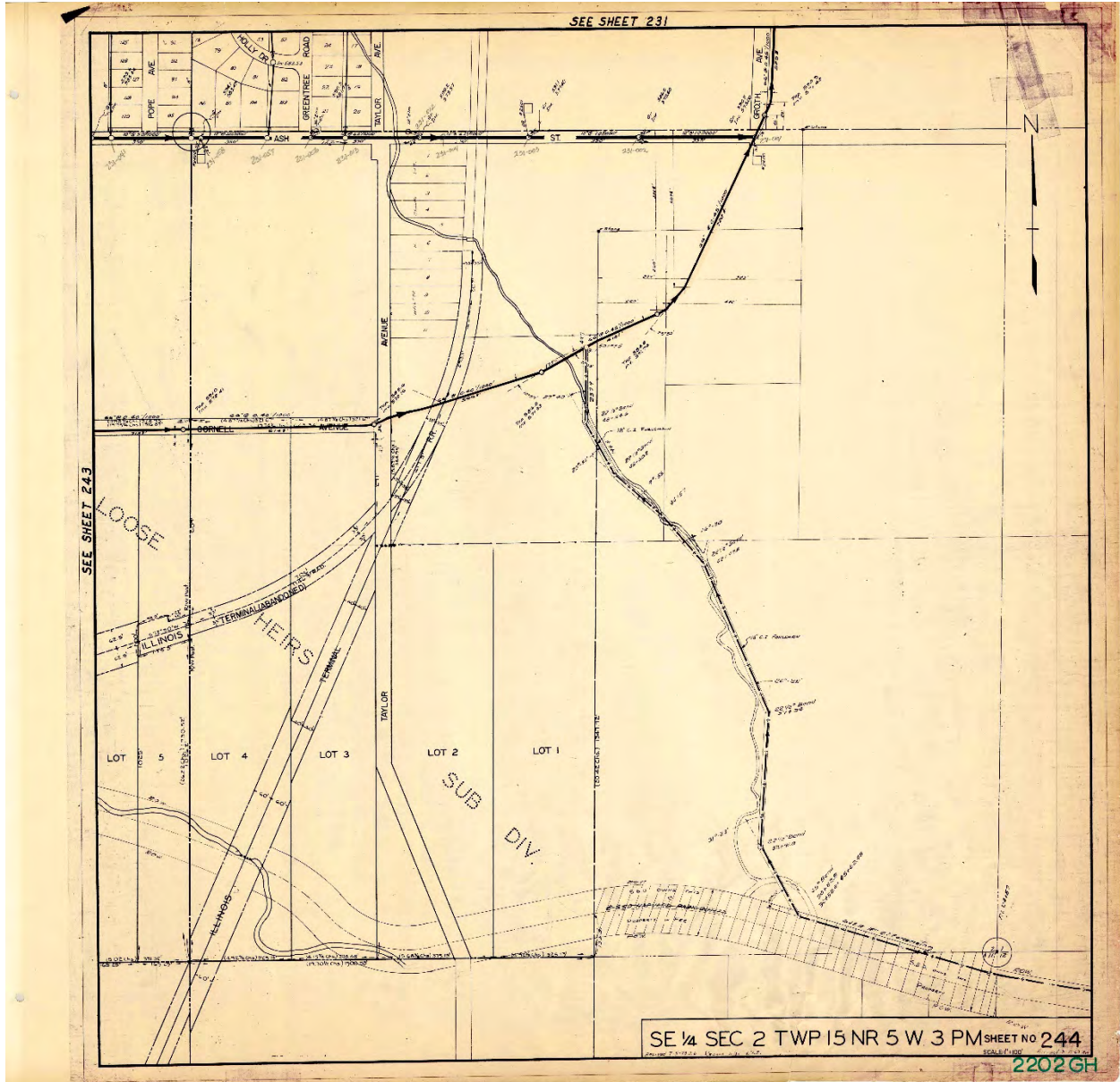


February 18, 2020

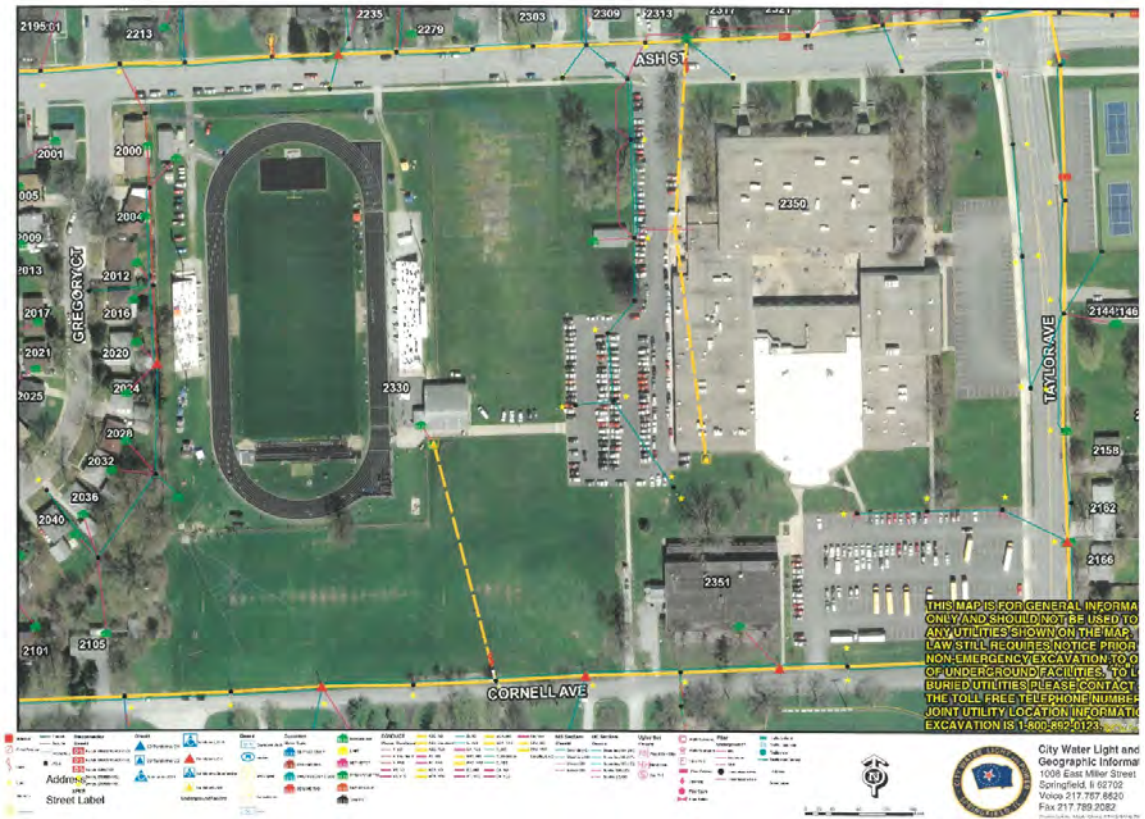


Southeast High School
Copyright 12/19

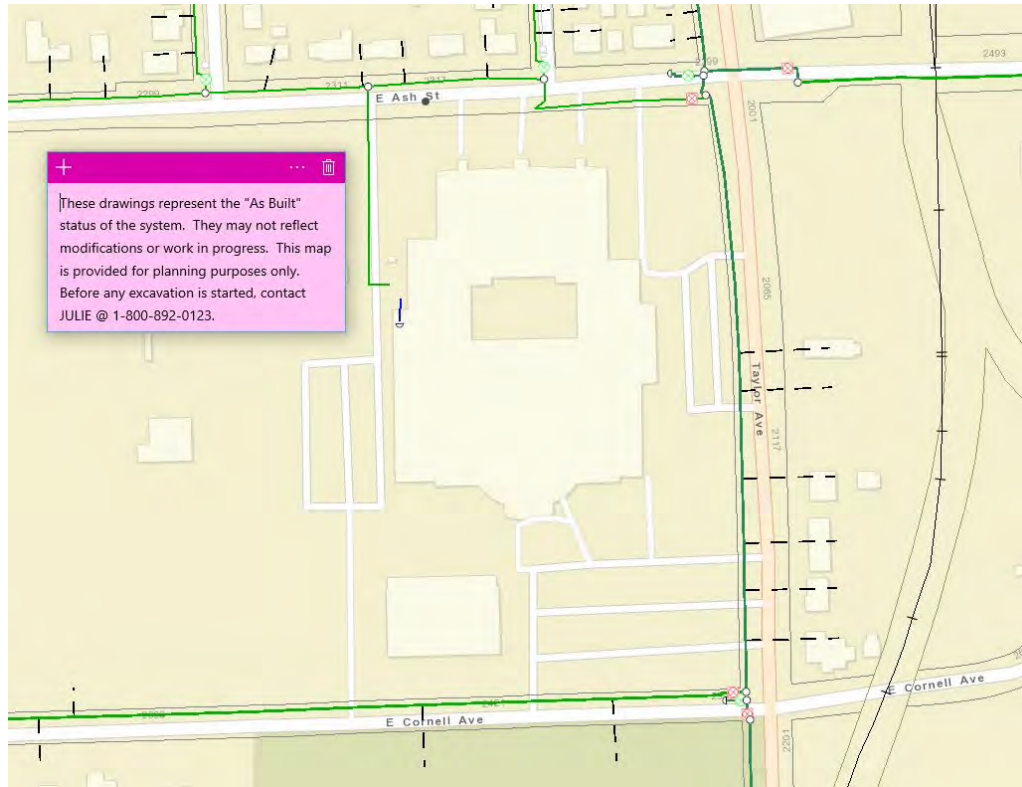
SEWER MAP



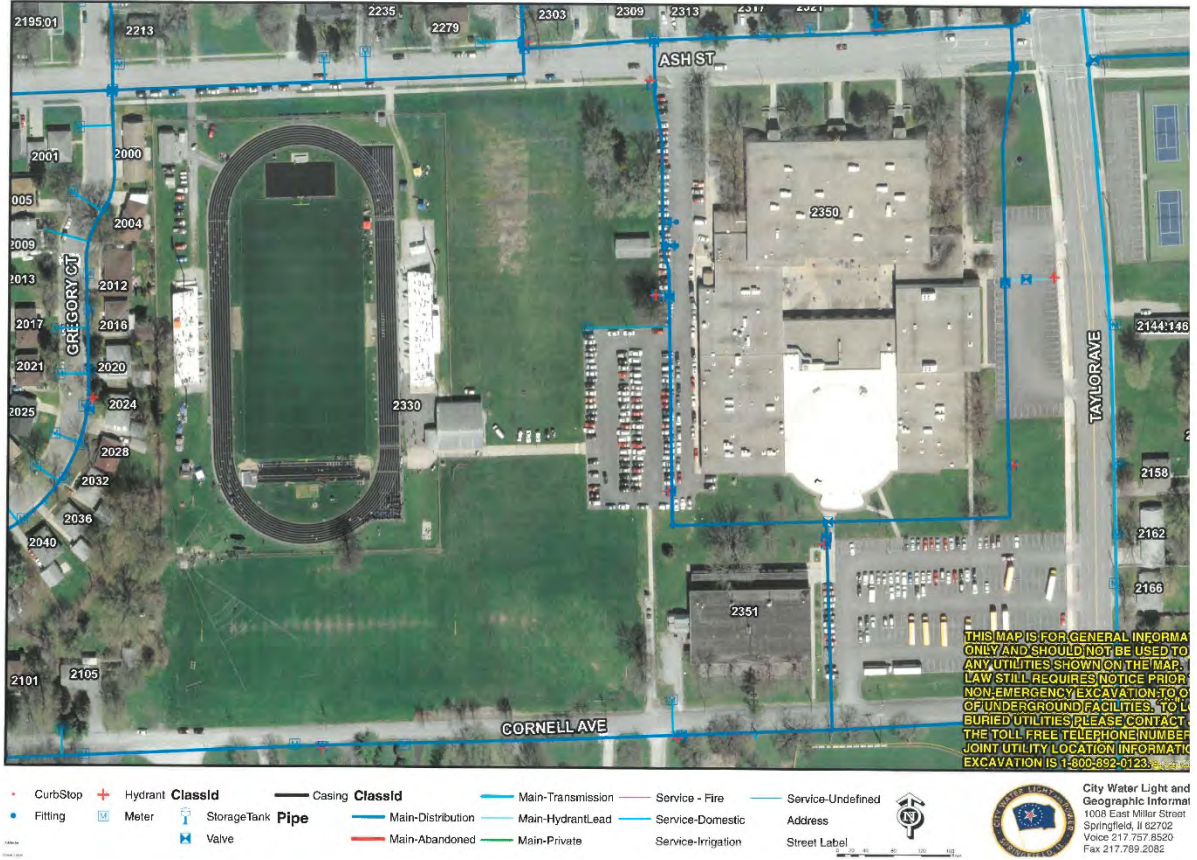
ELECTRIC MAP



GAS MAP

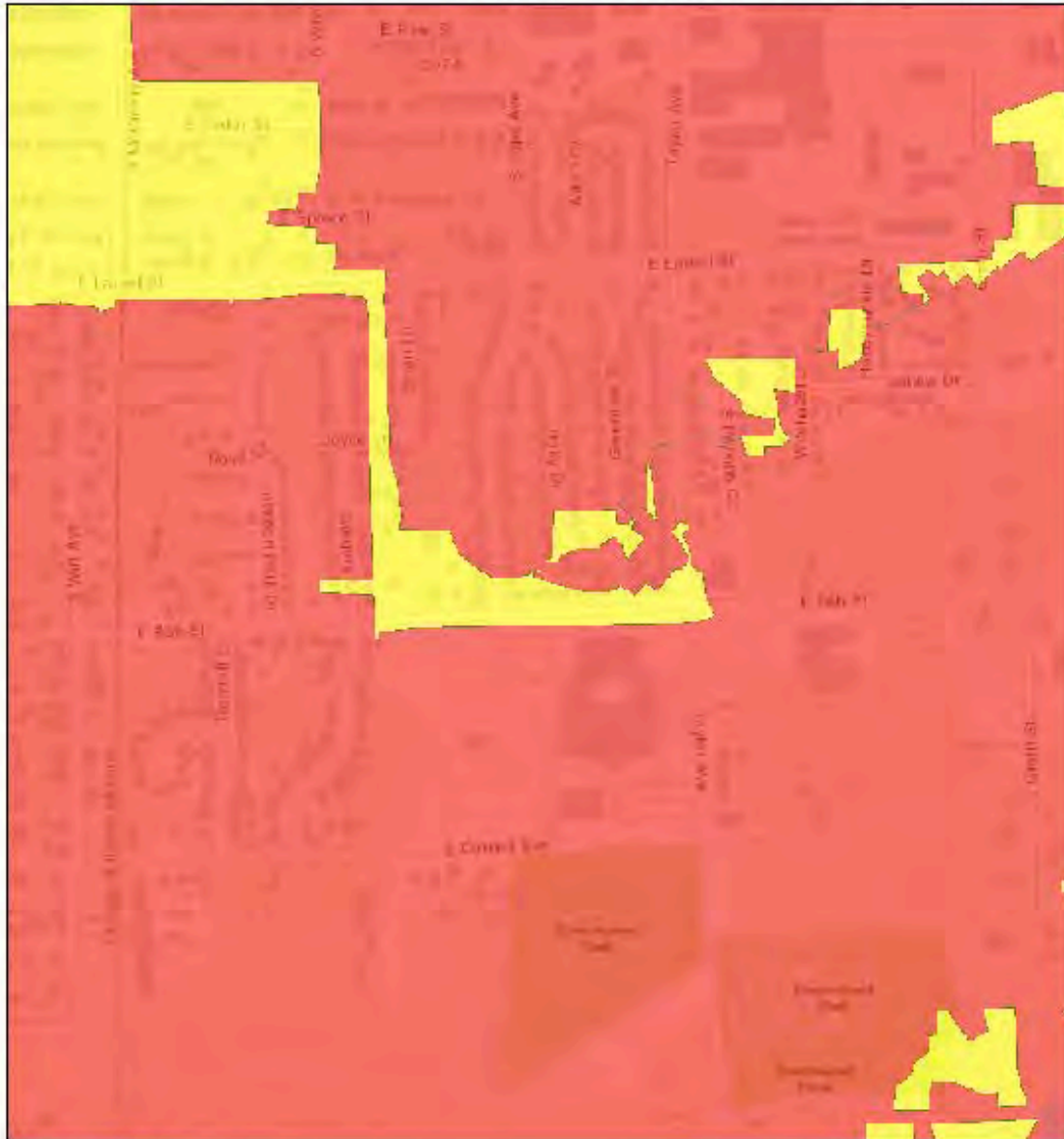


WATER MAP



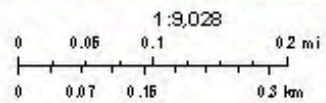
UNDERGROUND MINE MAP

Illinois State Geological Survey -- ILMINES



2/18/2020, 4:01:54 PM

- | | |
|--|--|
|  Underground Mine Buffer Region |  Indefinite Underground Mine Boundary |
|  Non Coal Mines |  Surface |
| Underground Coal Mines |  Non Coal Mine Shaft |
|  Underground |  Coal Mine Shaft |



Source: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeBCO, IGN, Intermap, Inc., Swire, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community, PR1 - CGCS

Illinois State Geological Survey -- ILMINES
Prairie Research Institute, University of Illinois

Applicant: Vasconcelles Engineering Corp
Contact: Steve Kuper
Address: 2417 West White Oaks Dr.
 Springfield, IL 62704

Project: Southeast High School
Address: 2350 East Ash Street, Springfield

IDNR Project Number: 2003963
Date: 11/01/2019

Description: Building Addition

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database contains no record of State-listed threatened or endangered species, Illinois Natural Area Inventory sites, dedicated Illinois Nature Preserves, or registered Land and Water Reserves in the vicinity of the project location.

Consultation is terminated. This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary. Termination does not imply IDNR's authorization or endorsement.

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Sangamon

Township, Range, Section:
 15N, 5W, 2



IL Department of Natural Resources

Contact
 Brian Willard
 217-785-5500
 Division of Ecosystems & Environment

Government Jurisdiction

IL Environmental Protection Agency
 Amy Dragovich
 1021 North Grand Ave. East
 Springfield, Illinois 62701

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.

2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.

3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
www.dnr.illinois.gov

JB Pritzker, Governor
Colleen Callahan, Director

Mailing address: 1 Old State Capitol Plaza, Springfield IL 62701

We have received a request to review the attached project as required according to state and/or federal cultural resource protection laws.

We are returning your original submittal. **Please return the original submittal along with the items that we have checked below to our office.** We look forward to reviewing your project once we have received the **complete** documentation.

- Description of proposed undertaking. (Including any ground disturbing activities). Is the new construction of a fieldhouse a part of this project?
- Name of all funding and/or licensing/permitting agencies (state and/or federal).
- Map of project location, including project site plan, if applicable. (Xerox of USGS topographical map is preferable.)
- Current color photos (NOT AERIALS) should be 35mm (not photocopies) or may be digital, printed on 8½" x 11" paper no smaller than 4" x 4" each, of all standing structures within the project area or statement that there are none. (Houses, outbuildings, bridges, etc.)
- Project address(es). Street address or section, township, range, and nearest municipality. (P.O. Box type addresses are not acceptable.)
- Project plans and specifications, if applicable.
- The archaeological survey needs to be resubmitted on the Archaeological Survey Short Report form with all required attachments (**NOT** an archaeological sensitivity assessment).
- Other: _____

If you have questions, please call our office at 217/782-4836.

RECEIVED

DEC 18 2019

VASCONCELLES
ENGINEERING CORP.

Sincerely,

Robert F. Appleman
Deputy State Historic
Preservation Officer



DISTRICT 186
SPRINGFIELD PUBLIC SCHOOLS

TRANSFER PACKAGE #18

PAVING/PLAYGROUND UPGRADES

- Graham Elementary
- Iles Elementary
- Lindsay School

**OUR SCHOOLS
OUR FUTURE**

FACILITIES MASTER PLAN, PHASE 1 2020
(REVISED OCTOBER 2020)

PROJECT MANAGEMENT TEAM

BLDD Architects

IDG Architects

O'Shea Builders

CJP Architects

Vasconcelles Engineering

Hanson Engineering

CONTENTS

Paving/Playground Upgrades

Project Summary.....	18-2
Project Budget.....	18-3
Project Schedule.....	18-4



GRAHAM ELEMENTARY SCHOOL



ILES ELEMENTARY SCHOOL



LINDSAY SCHOOL

PROJECT SUMMARY 18

Design team should reference and follow District 186 Master Plan Implementation Overview and Standards Document.

PAVING/PLAYGROUND UPGRADES

The Design Team is to coordinate the work of this package with Darrell Schaver, Director of Operations and Maintenance.

Graham Elementary School - Playground Resurfacing

Grades: K-5 Enrollment: 236 No. of strands: 2
Address: 900 W. Edwards St. Springfield, IL 62704
Year of original construction: 1946 Building addition: 1960, 1970

Iles Elementary School - Playground Resurfacing

Grades: 1-8 Enrollment: 406
Address: 1700 S. 15th St. Springfield, IL 62703
Year of original construction: 1905 Building additions: 1922, 1993

Lindsay School - Paving

Grades: K-5 Enrollment: 455 No. of strands: 3-4
Address: 2500 Fielding Dr. Springfield, IL 62711
Year of original construction: 2005 Building additions: N/A

Construction Delivery Method: This project is to be constructed via Design-Bid-Build.

PROJECT SUMMARY 18

Design Considerations

All educational facilities should include design considerations that facilitate educational delivery and mitigate the transmission of infectious diseases during a public health emergency.

These considerations should include the following topics at a minimum:

School Nurse Facilities

Provide at a minimum provide access to dedicated handwashing and toilet facilities adjacent to the cot and office areas. If possible, locate Nurse office/cot space adjacent to spaces that can be converted to isolation or additional cot space during a contagious event. These adjacent spaces like all nursing spaces should allow for easy sanitizing and when possible should have direct access to a public exit to prevent contamination of adjacent areas. Design space to allow access to medication and supplies without cross-contamination cot space or areas used for isolation.

Interior Surfaces

Select and specify surface materials and details that facilitate cleaning and reduce the potential transmission of viral, bacterial, fungal, and other contagions.

Circulation

Designs should allow for safe travel throughout the building with minimal contact. The design of commons areas, lobbies, corridors, and other primary arteries of circulation is to be evaluated for their ability to accommodate the need for increased social distancing, one-way traffic flow, and zoning of occupants. Consider the reduction of two-sided locker hallways, narrow corridors that are restricted by solid walls, and designs that increase 1-way travel distances.

Student Storage

Consider design options that eliminate or reduce dedicated student storage, such as lockers, locker commons, etc. that increase travel distances and unnecessary student interaction during passing periods. Consider policy ramifications of decisions when appropriate.

Faculty Space

Create faculty assigned spaces that can allow modifications to reduce the transmission and exposure of infectious diseases. These may include offices and faculty storage, suites of learning environments, or other groups that allow more sharing of space to reduce student travel, remote learning, team teaching, or other modifications.

Increased Flexibility in Facility and Equipment

Design classrooms and shared spaces to allow rooms to grow or shrink to allow different seating layouts and capacities. Strategies may include:

- Increase views to adjacent spaces to allow the monitoring of students beyond the classroom.
- Limit fixed casework to increase wall surfaces for additional operable walls, windows, and doors to allow shared access.
- Reduce small, dedicated, but limited-use spaces that reduce adaptability.
- Limit fixed shelving and equipment placement to the perimeter of large spaces, such as libraries, commons, specialty labs, etc. to allow them to be reconfigurable for additional capacity.
- Consider alternatives to fixed seating in auditoriums, theaters, and cafeterias to allow different uses.
- Include integrated and flexible open learning spaces along primary circulation paths to allow education spaces to expand or traffic circulation changes.
- Maximize the use of operable walls.
- Increase the ability to distance users within athletic facilities, including locker areas and training spaces.

Exterior Considerations

Allow for additional screening cueing at all main entries. Develop outdoor classroom areas that can extend the building's capacity. Provide shelter and the ability to deploy portable heating and cooling equipment to extend usability.

Food Service

Increase access to handwashing stations in dining areas, allow for grab and go service, reduce lines and cueing, select easily washable/cleanable furniture, and accommodate for capacity changes.

Hygiene

Consider additional handwashing and sanitizing stations throughout the facility. Consider additional gender-neutral toilet room designs to allow greater capacity during more frequent cleaning and sanitizing of toilet facilities.

Mechanical Systems

Consider additional indoor air filtration, air exchanges, and zoning to minimize exposure to air-borne infections. Employ dedicated outdoor air or small group zoning strategies to minimize facility-wide exposure. Utilize system designs that encourage good maintenance procedures by making future access uniform and convenient. Increase the quality of filtration systems and air quality monitoring systems. Integrate the latest guidance by ASHRAE for educational facilities, including any supplemental guidance, such as guidance for the safe reopening of schools.

(REVISED OCTOBER 2020)

PROJECT BUDGET 18

Transfer Package #18 - Paving / Paving Upgrades Springfield School District 186

June 22, 2020

CONSTRUCTION BUDGET		\$1,761,504
SCOPE		\$1,551,200
Graham Elementary School - Playground resurfacing	\$375,000	
Iles Elementary School - Playground resurfacing	\$382,000	
Linsday School - Paving	\$794,200	
CONTINGENCY		\$210,304
Design Contingency 5%	\$77,560	
Bid Contingency 5%	\$81,438	
Construction Contingency 3%	\$51,306	
SOFT COSTS		\$193,458
SITE ACQUISITION AND EVALUATION		\$0
Land Purchase		
Topographical Survey		
Geotechnical Survey		
FEES AND SERVICES		\$193,458
Architect/ Engineering Design Fees 10.6%	\$175,843	
Interior Design Fees		
Food Service Consultant		
Theater, Lighting & Rigging Design Consultant		
Acoustical/Audio/Video Design Consultant		
Technology Design Services		
Reimbursable Expenses	\$17,615	
OTHER COSTS		\$0
Technology, Telecom, Security		
Furnishings, Fixtures, Equipment		

PROJECT BUDGET \$1,954,962

PROJECT BUDGET - Escalated 3% 2023 \$2,136,239

PROJECT SCHEDULE 18

Springfield Public School District 186 - Project Management Team
 Master Summary Schedule
 December 2, 2019



	2022												2023												2024											
	INTERMEDIATE																																			
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Package 18 - Paving/Playground Upgrades Graham Elementary Iles Elementary Lindsay School																																				
LEGEND	DESIGN												BID												CONSTRUCTION											

