



Silver Creek School Corporation
DISTRICT-WIDE FACILITY ASSESSMENT
School Board Meeting

March 12, 2024

CREATED FOR



CONTENT

- 1 Planning Schedule Update & Progress
- 2 Site & Building Facility Assessments
- 3 Summary of Existing Conditions & Preliminary Observations
- 4 Learning Environment Input
- 5 Next Steps

PLANNING SCHEDULE UPDATE

School Board Meeting

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DATE	
February 5, 2024	<p>School Board Meeting Update</p> <ul style="list-style-type: none"> Review Components of the Study and planning schedule milestones Launch Process and Planning with End In Mind
March 12, 2024	<p>School Board Meeting Update</p> <ul style="list-style-type: none"> Present summary data about the existing school buildings and sites Present preliminary findings for Summary of Existing Conditions Introduce Process for Learning Environment Input
April 9, 2024	<p>School Board Meeting Update</p> <ul style="list-style-type: none"> Summary [preliminary] of Facility Improvement Considerations Summary of Operational Cost Savings Opportunities Finalize Process for Learning Environment Input
May 14, 2024	<p>School Board Meeting Update</p> <ul style="list-style-type: none"> Present [preliminary] Summary of Learning Environment Considerations Present summary of school [Principal] input for Learning Environments Overview of Student Enrollment and Capacity
June 6, 2024	<p>School Board Meeting Update</p> <ul style="list-style-type: none"> Review Study Considerations of Learning and Facility Needs for Strategic Plan Present & Discuss Feasibility Options for Exploration Confirm any/all questions to finalize comprehensive Study
July 16, 2024	<p>School Board Meeting Update</p> <ul style="list-style-type: none"> Follow-up on any content questions or other ideas from the final Study Preliminary Review of Feasibility Options and Discussion
August 13, 2024	<p>School Board Meeting Update</p> <ul style="list-style-type: none"> Thorough Review of Feasibility Options to Meet Needs Cost Estimate Option(s) & Financial update in consideration of Options and Strategic Plan

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**DISTRICT-WIDE
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SITE & BUILDING FACILITY ASSESSMENTS

SITE & BUILDING DATA

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SCHOOLS

1	Silver Creek Primary School
2	Silver Creek Elementary School
3	Silver Creek Middle School
4	Silver Creek High School

SILVER CREEK SCHOOL CORP

Site & Building Data

Facility	Current Grades Offered	Total Square Feet	Original-Build Date & Adds/Renos	Student Population 2020-21	Student Population 2021-22	Student Population 2022-23	Student Population 2023-24
Silver Creek Primary School	PK-1	69,256	Year Built= 2010	435	525	550	506
Silver Creek Elementary School	2-5	119,417	Year Built= 1952 A/R: 2003	821	859	899	901
ES Total:		188,673		1,256	1,384	1,449	1,407
Silver Creek Middle School	6-8	109,438	Year Built= 2003	674	696	760	754
MS Total:		109,438		674	696	760	754
Silver Creek High School	9-12	188,425	Year Built= 1961 A/R: 2024	869	913	935	943
HS Total:		188,425		869	913	935	943
District Total:		486,536		2,799	2,993	3,144	3,104

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SITE & BUILDING DATA

Silver Creek Primary School

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SITE DATA

GENERAL INFORMATION

Originally Built	2009
Additions/Renovations	N/A
Site Area	± 36 Acres

PARKING

TOTAL	± 235 Spaces
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TRAFFIC CIRCULATION

Bus Riders	- East Side
Car Riders	- South Side

SITE & BUILDING DATA

Silver Creek Primary School

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BUILDING DATA

SF INFORMATION

First Floor	± 69,256 SF
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TOTAL	± 69,256 SF
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EDUCATIONAL DATA

Student Population	± 506 Students
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Grades Offered	PK – 1
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SF per Student	± 137 SF
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SITE & BUILDING DATA

Silver Creek Elementary School

School Board Meeting

DISTRICT-WIDE FACILITY ASSESSMENT

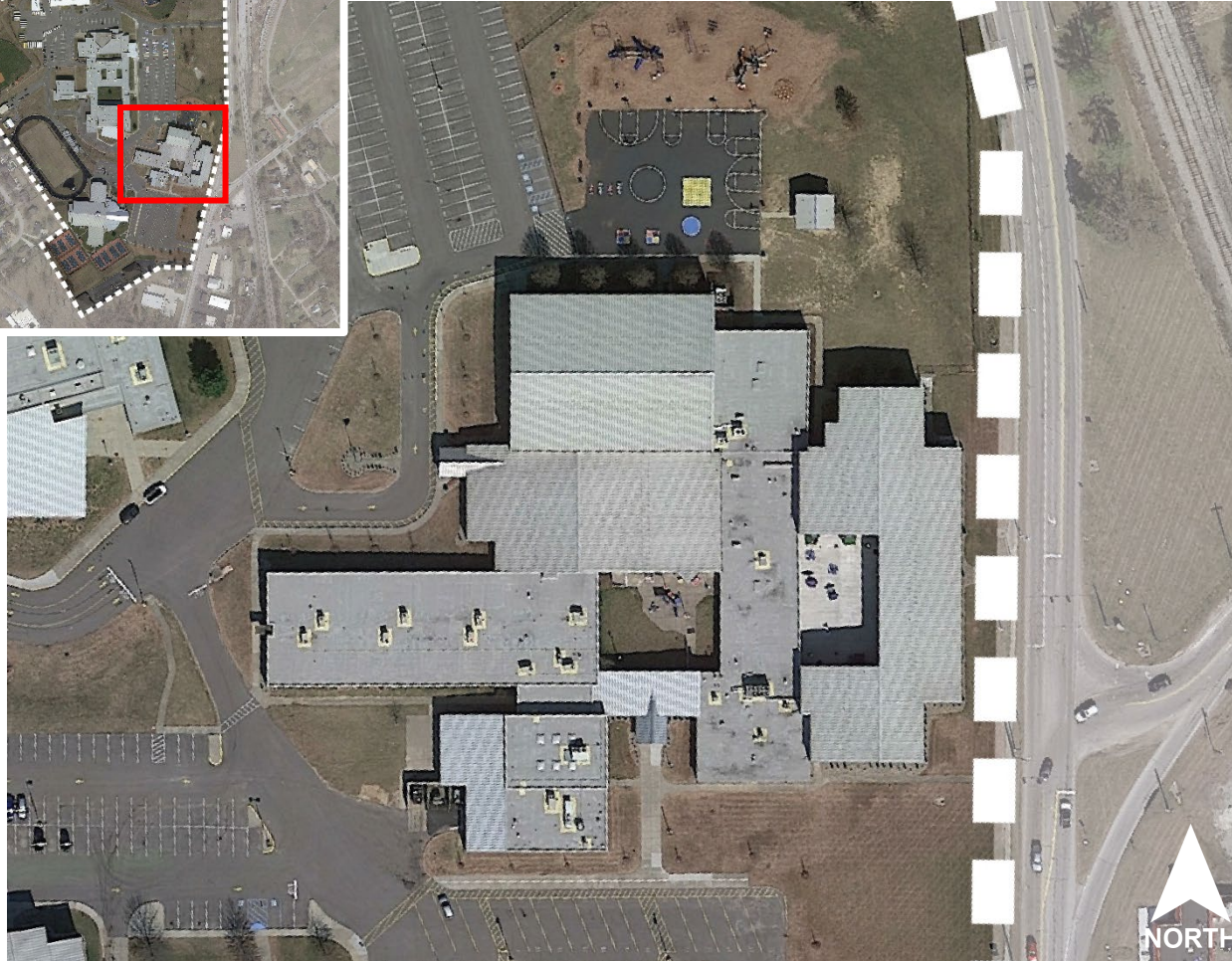
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SITE DATA

GENERAL INFORMATION

Originally Built 1952 / 1970s

Additions/
Renovations 2001 / 2009

Site Area ± 50 Acres

PARKING

TOTAL ± 295 Spaces

TRAFFIC CIRCULATION

Bus Riders - South Side

Car Riders - North Side

SITE & BUILDING DATA

Silver Creek Elementary School

School Board Meeting

DISTRICT-WIDE FACILITY ASSESSMENT

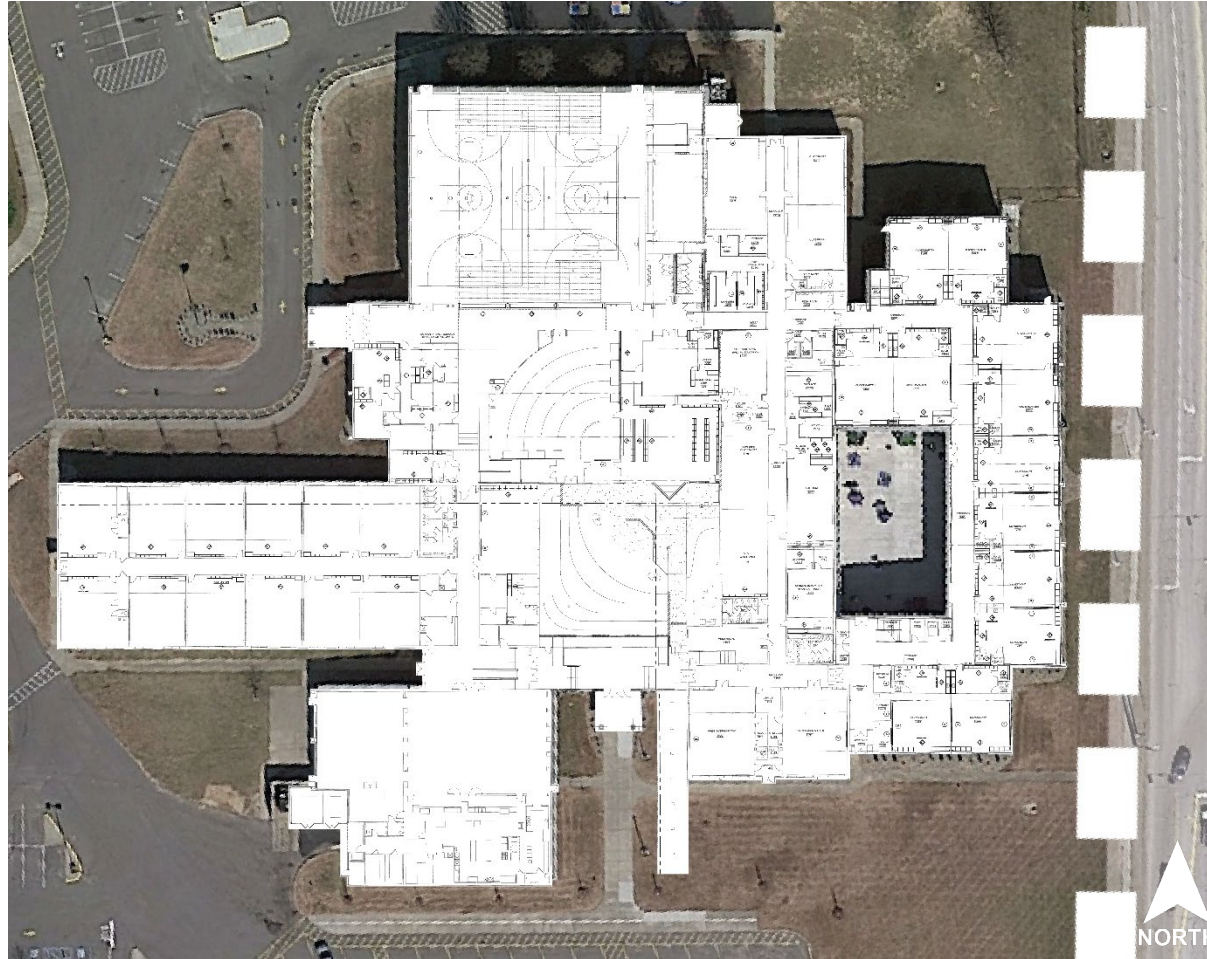
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BUILDING DATA

SF INFORMATION

First Floor	± 100,262 SF
Second Floor	± 19,155 SF
TOTAL	± 119,417 SF

EDUCATIONAL DATA

Student Population	± 901 Students
Grades Offered	2 – 5
SF per Student	± 133 SF

SITE & BUILDING DATA

Silver Creek Middle School

School Board Meeting

DISTRICT-WIDE FACILITY ASSESSMENT

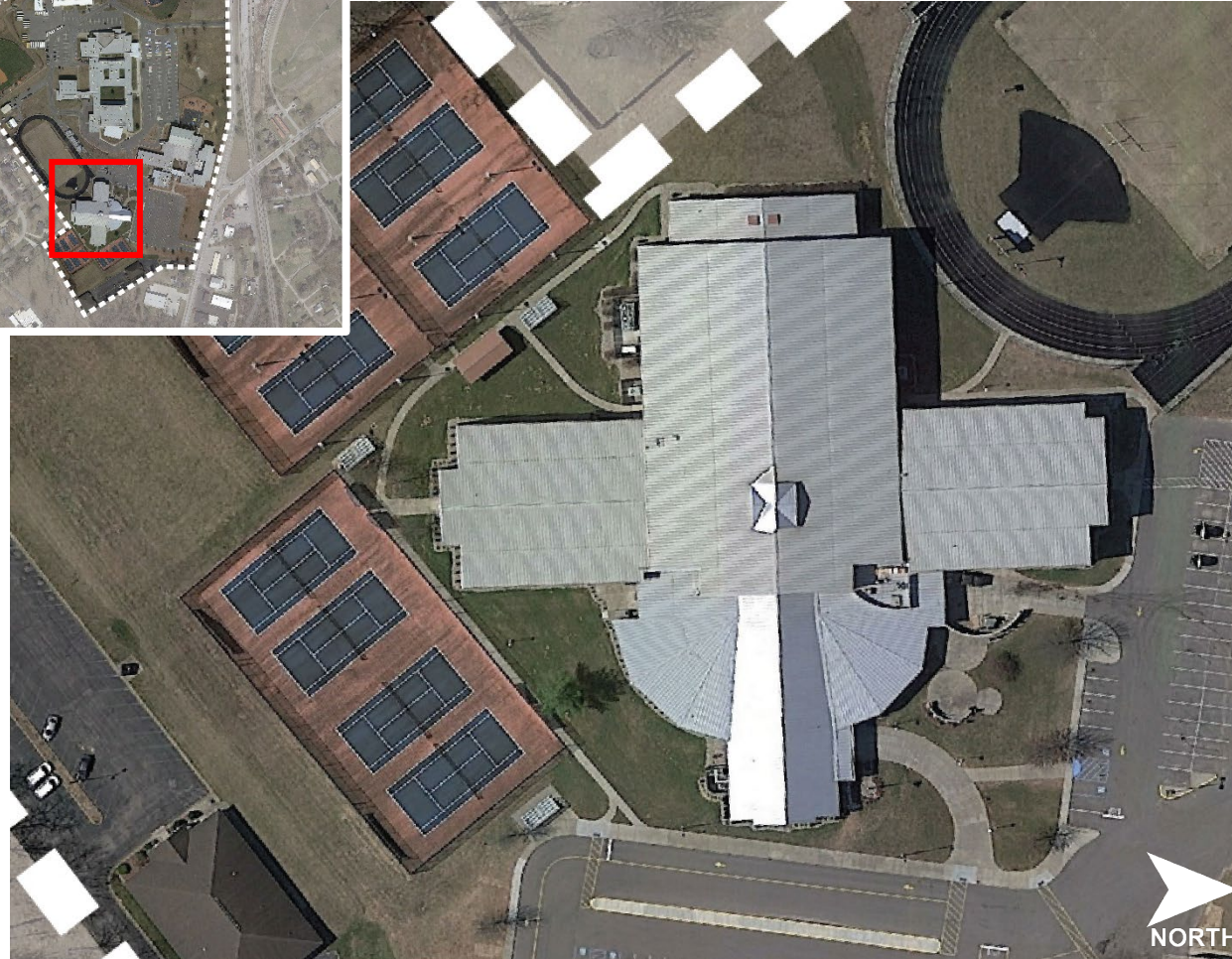
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SITE DATA

GENERAL INFORMATION

Originally Built	2001
Additions/Renovations	N/A
Site Area	± 50 Acres

PARKING

TOTAL	± 170 Spaces
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TRAFFIC CIRCULATION

Bus Riders	- North Side
Car Riders	- East Side

SITE & BUILDING DATA

Silver Creek Middle School

School Board Meeting

DISTRICT-WIDE FACILITY ASSESSMENT

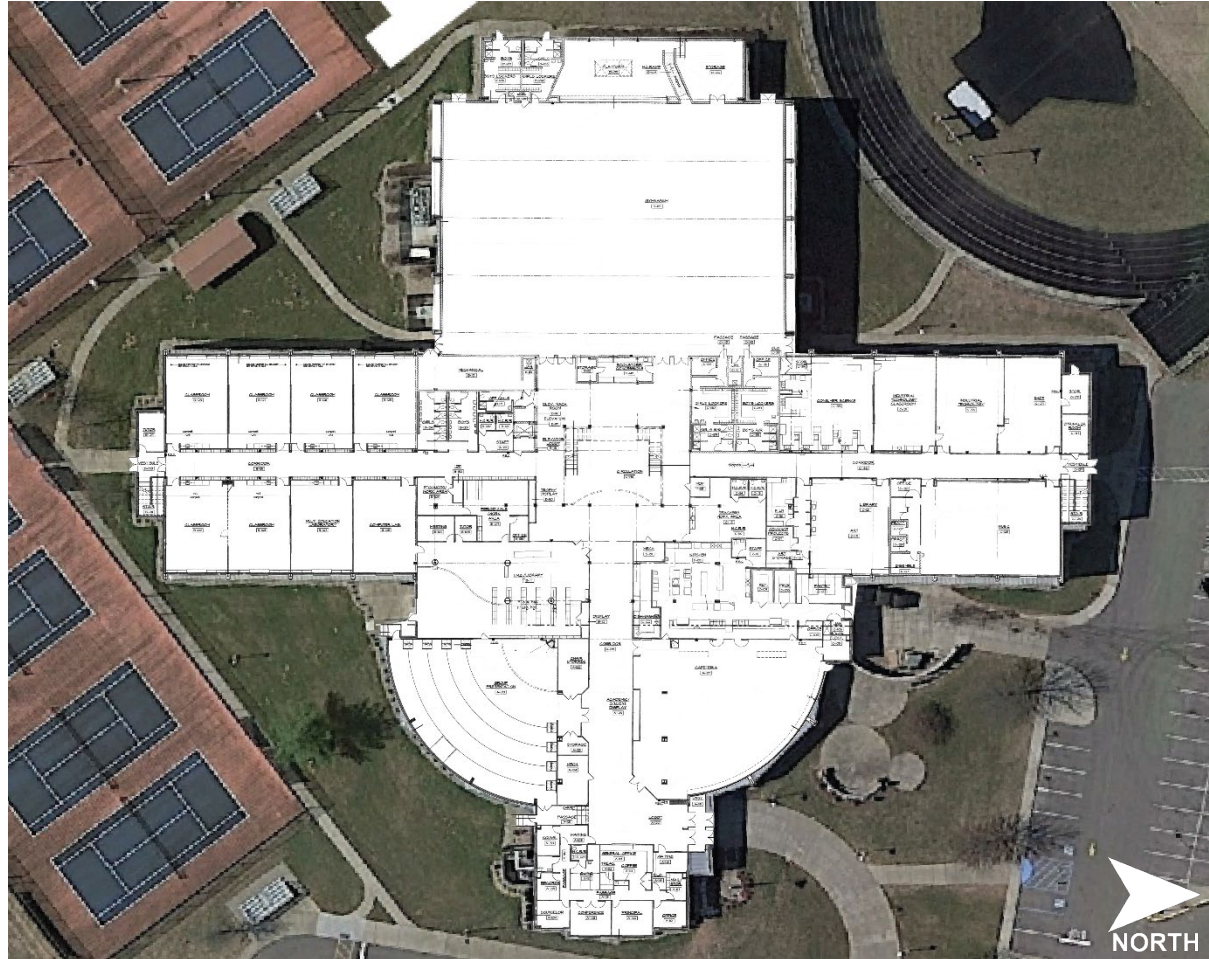
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BUILDING DATA

SF INFORMATION

First Floor	± 72,939 SF
Second Floor	± 36,499 SF
TOTAL	± 109,438 SF

EDUCATIONAL DATA

Student Population	± 754 Students
Grades Offered	6 – 8
SF per Student	± 145 SF

SITE & BUILDING DATA

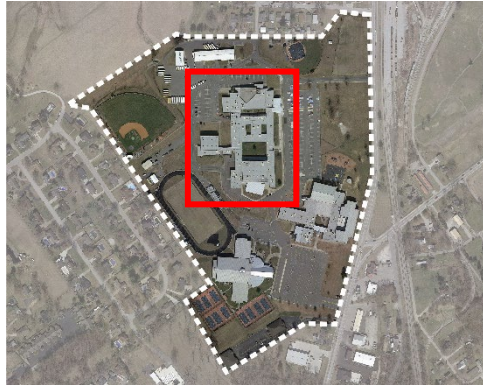
Silver Creek High School

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SITE DATA

GENERAL INFORMATION

Originally Built	1961
Additions/Renovations	2024
Site Area	± 50 Acres

PARKING

TOTAL	± 405 Spaces
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TRAFFIC CIRCULATION

Bus Riders	- East Side
Car Riders	- North Side



SITE & BUILDING DATA

Silver Creek High School

School Board Meeting

DISTRICT-WIDE FACILITY ASSESSMENT

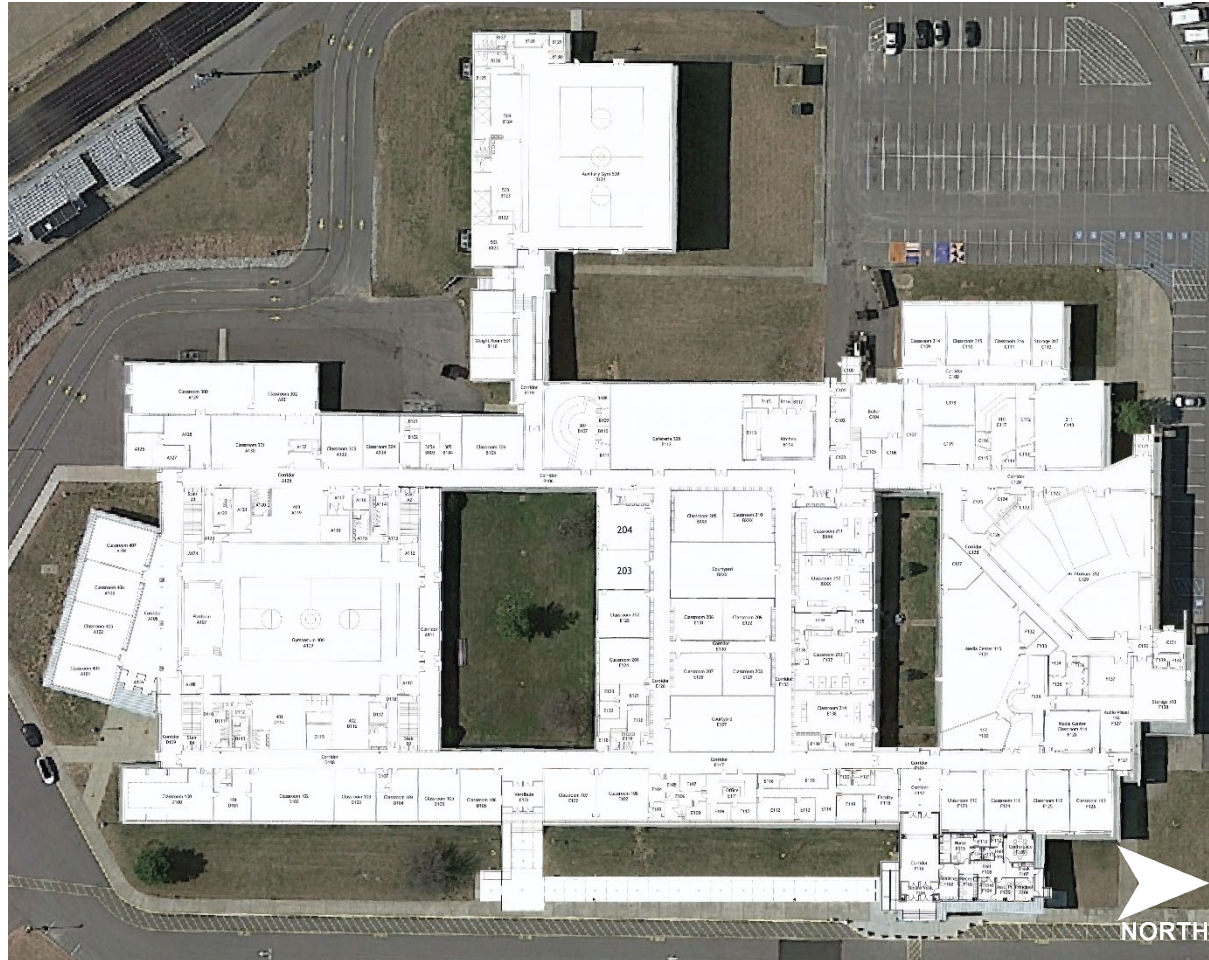
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BUILDING DATA

SF INFORMATION

First Floor	± -188,425 SF
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TOTAL	± 188,425 SF
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EDUCATIONAL DATA

Student Population	± 943 Students
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Grades Offered	9 – 12
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SF per Student	± 200 SF
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SITE & BUILDING DATA

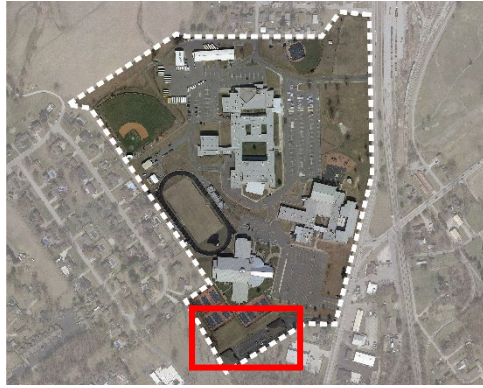
Silver Creek Future Support Buildings

School Board Meeting

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SITE DATA

GENERAL INFORMATION

Originally Built	
Additions/ Renovations	-
Site Area	± 50 Acres

PARKING

TOTAL	± 70 Spaces
-------	-------------

TRAFFIC CIRCULATION

Bus Riders	N/A
Car Riders	N/A



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SITE & BUILDING DATA

Silver Creek Future Support Buildings – West

School Board Meeting

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BUILDING DATA

SF INFORMATION

First Floor	± 7,425
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TOTAL	± 7,425 SF
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EDUCATIONAL DATA

Student Population	N/A
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Grades Offered	N/A
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SF per Student	N/A
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SITE & BUILDING DATA

Silver Creek Future Support Buildings – East

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BUILDING DATA

SF INFORMATION

First Floor	± 6,930
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TOTAL	± 6,930 SF
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EDUCATIONAL DATA

Student Population	N/A
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Grades Offered	N/A
----------------	-----

SF per Student	N/A
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SUMMARY OF EXISTING CONDITIONS & PRELIMINARY OBSERVATIONS

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ASSESSMENT OVERVIEW

Condition Evaluation

Condition evaluation based on previous experience with similar buildings and 2024-25 industry standards.

Three condition categories in SUMMARY TABLE*:

- Meeting Needs, Good Condition
 - ◆ Material or systems performing well for intended use
 - ◆ Generally meets current codes/requirements
- Functioning Condition, Not Current Standards, Consider Improvements
 - ◆ Code or ADA item not current
 - ◆ Material or system approaching useful life limit
 - ◆ Consider component upgrade
- Below Standards, Beyond Service Life
 - ◆ Code or ADA items to be addressed (Does not meet current standards)
 - ◆ Material or system exceeds life expectancy
 - ◆ Note: No children or employees are in harms way

SUMMARY OF EXISTING CONDITIONS

School Board Meeting

DISTRICT-WIDE FACILITY ASSESSMENT

March 12, 2024

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Legend:	<input type="checkbox"/>	Meeting Needs, Good Condition	Primary School	Elementary School #1950s Building	Middle School	High School #Updated 2024
	<input checked="" type="checkbox"/>	Functioning Condition, Not Current Standards; Consider Improvements				
	<input checked="" type="checkbox"/>	Below Standards; Beyond Service Life				
SITE						
ADA Accessible Travel Path	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sidewalks	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Paving – Drives and Parking	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Playgrounds and Outdoor P.E. Area						
Athletic Fields						
Overall Stormwater Drainage	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Car Drop-Off & Pick-Up (Function)	<input type="checkbox"/>					<input type="checkbox"/>
Bus Loading (Function)	<input type="checkbox"/>					<input type="checkbox"/>
Parking (Function)	<input type="checkbox"/>					<input checked="" type="checkbox"/>
BUILDING ENVELOPE and STRUCTURAL						
Roof, Fascia, and Gutters	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exterior Walls	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Windows	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Entry Doors and Frames	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SUMMARY OF EXISTING CONDITIONS

School Board Meeting

DISTRICT-WIDE FACILITY ASSESSMENT

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Legend:	<input type="checkbox"/>	Meeting Needs, Good Condition	Primary School	Elementary School #1950s Building	Middle School	High School *Updated 2024
	<input checked="" type="checkbox"/>	Functioning Condition, Not Current Standards; Consider Improvements				
	<input checked="" type="checkbox"/>	Below Standards; Beyond Service Life				
BUILDING INTERIOR COMPONENTS CONDITION						
Ceilings	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/> *	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Floors	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wall Finishes	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interior Doorways/Doors	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Built-In Casework and Related	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chalkboards and Markerboards	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/> *	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Restrooms	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/> *	<input type="checkbox"/>	<input checked="" type="checkbox"/>
LIFE SAFETY and CODE COMPLIANCE**						
Security Systems	<input type="checkbox"/>					<input type="checkbox"/>
Fire Alarm**	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ADA Building-wide Accessible, Including Door Hardware*	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ADA Restrooms	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/> *	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**No Children or Employee are in harm's way

SUMMARY OF EXISTING CONDITIONS

School Board Meeting

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Legend:	<input type="checkbox"/>	Meeting Needs, Good Condition	Primary School	Elementary School #1950s Building	Middle School	High School *Updated 2024
	<input checked="" type="checkbox"/>	Functioning Condition, Not Current Standards; Consider Improvements				
	<input checked="" type="checkbox"/>	Below Standards; Beyond Service Life				
HEATING, VENTILATION and AIR CONDITIONING SYSTEMS (HVAC)						
		Air Distribution/ Unit Ventilators with HW reheat coils	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		Air Dis./ AHUs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Air Distribution/ Exhaust Fans	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Cooling Plant (chiller)	NA	<input type="checkbox"/>	<input type="checkbox"/>	NA
		Hydronic Pumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	NA
		Heat Pumps	<input type="checkbox"/>	NA	NA	NA
		Heating Plant (gas fired boilers)	NA	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Temperature Controls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLUMBING						
		Plumbing Distribution and Infrastructure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Plumbing Equipment (HW recirculating pumps)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		Domestic Water Heater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	NA
		Plumbing Fixtures and Trims	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Fire Protection Sprinklers	<input type="checkbox"/>	NA	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SUMMARY OF EXISTING CONDITIONS

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March 12, 2024

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Legend:	<input type="checkbox"/>	Meeting Needs, Good Condition	Primary School	Elementary School #1950s Building	Middle School	High School *Updated 2024
	<input checked="" type="checkbox"/>	Functioning Condition, Not Current Standards; Consider Improvements				
	<input checked="" type="checkbox"/>	Below Standards; Beyond Service Life				
ELECTRICAL DISTRIBUTION, LIGHTING, and RELATED SYSTEMS						
Building Electrical Service	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/> *	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lighting	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Technology Infrastructure/Electrical Outlets	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergency Lighting/Exits **	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Communication/ Intercom	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Fire Alarm System **	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Site Lighting/ Exterior Lighting	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Building Mounted Exterior Lights	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergency Generator	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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LIFE CYCLE EXPECTANCY

Silver Creek Primary School

Legend:	<input type="checkbox"/> Meeting Needs, Good Condition	<input checked="" type="checkbox"/> Functioning Condition, Not Current Standards; Consider Improvements	<input type="checkbox"/> Below Standards; Beyond Service Life	Condition	Years in Service	Life Expectancy
HEATING, VENTILATION and AIR CONDITIONING SYSTEMS (HVAC)						
	Closed loop water source heat pumps	<input type="checkbox"/>			14	19
	Air Dis. /AHUs	<input type="checkbox"/>			14	40
	Air Distribution/Exhaust Fans	<input type="checkbox"/>			14	20
	End Suction Hydronic Pumps	<input type="checkbox"/>			14	20
	Temperature Controls	<input type="checkbox"/>			14	25
PLUMBING						
	Plumbing Distribution and Infrastructure	<input type="checkbox"/>			14	40
	Plumbing Equipment (HW recirculating pumps)	<input type="checkbox"/>			14	15
	Domestic Water Heater	<input type="checkbox"/>			14	25
	Plumbing Fixtures and Trims	<input type="checkbox"/>			14	20
	Fire Protection Sprinkler System Entire Building	<input type="checkbox"/>			14	40

Considerations

- ❖ Upgrade controls to DDC with associated building control “Campus” interface.

LIFE CYCLE EXPECTANCY

Silver Creek Primary School

School Board Meeting

DISTRICT-WIDE FACILITY ASSESSMENT

March 12, 2024

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Legend:	<input type="checkbox"/>	Meeting Needs, Good Condition	Condition	Years in Service	Life Expectancy
	<input checked="" type="checkbox"/>	Functioning Condition, Not Current Standards; Consider Improvements			
	<input checked="" type="checkbox"/>	Below Standards; Beyond Service Life			
ELECTRICAL DISTRIBUTION, LIGHTING, and RELATED SYSTEMS					
	<input type="checkbox"/>	Building Electrical Service/ Power Distribution		14	40
	<input checked="" type="checkbox"/>	Lighting		14	20
	<input checked="" type="checkbox"/>	Technology Infrastructure (Data/Telephones)		14	10
	<input checked="" type="checkbox"/>	Emergency Lighting/Exits**		14	10
	<input checked="" type="checkbox"/>	Communications/Intercom		14	10
	<input checked="" type="checkbox"/>	Fire Alarm System**		14	20+
	<input type="checkbox"/>	Site Lighting/ Exterior Lighting		14	20
	<input checked="" type="checkbox"/>	Building Mounted Exterior Lights		14	20
	<input type="checkbox"/>	Emergency Generator		14	30

**No Children or Employee are in harm's way

Considerations

- ❖ Lighting in rooms that do not meet current lighting level standards
- ❖ Upgrade Technology and communication systems to meet current and future needs
- ❖ Upgrade Fire Alarm System District wide

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FACILITY ASSESSMENT

Silver Creek Primary School

PRIMARY

- ❖ Building in very good condition. Continue to monitor preventative maintenance.

SECONDARY

- ❖ Refresh with paint throughout
- ❖ Cafeteria and Activity linoleum floor (Starting to look worn)
- ❖ Replace water damaged ceiling tile in Admin and Activity Room Storage
- ❖ Paint Kitchen Serving Area
- ❖ Install vertical grab bars at all ADA toilets – Some grab bars may be high for specific grade levels

LIFE CYCLE EXPECTANCY

Silver Creek Elementary School

School Board Meeting

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March 12, 2024

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Legend:	<input type="checkbox"/>	Meeting Needs, Good Condition	Condition	Years in Service	Life Expectancy
	<input checked="" type="checkbox"/>	Functioning Condition, Not Current Standards; Consider Improvements			
	<input checked="" type="checkbox"/>	Below Standards; Beyond Service Life			
HEATING, VENTILATION and AIR CONDITIONING SYSTEMS (HVAC)					
		Air Distribution / unit ventilators with HW reheat coils	<input checked="" type="checkbox"/>	22	25
		Air Dis. /AHUs (central station chill/hot water coils w/Vfd drive)	<input type="checkbox"/>	22	40
		Air Distribution/Exhaust Fans	<input checked="" type="checkbox"/>	22	20
		Cooling Plant (packaged air cooled chiller)	<input type="checkbox"/>	22	20
		End Suction Hydronic Pumps	<input checked="" type="checkbox"/>	22	20
		Air Conditioning CU (small capacity locker rooms RTU coils)	<input type="checkbox"/>	22	15
		Heating Plant (gas fired boilers)	<input type="checkbox"/>	22	35
		Temperature Controls	<input checked="" type="checkbox"/>	22	25
PLUMBING					
		Plumbing Distribution and Infrastructure	<input type="checkbox"/>	22	40
		Plumbing Equipment (HW recirculating pumps)	<input type="checkbox"/>	22	15
		Domestic Water Heater	<input type="checkbox"/>	22	25
		Plumbing Fixtures and Trims	<input type="checkbox"/>	22	20
		Fire Protection Sprinkler System Entire Building	NA	NA	40

Considerations

- ❖ Major equipment in good condition. Further review for Life Expectancy.
- ❖ System components not aligned with major equipment conditions
- ❖ Replace heating and chilled water pumps
- ❖ Upgrade controls to DDC control with associated building control with “Campus” interface

LIFE CYCLE EXPECTANCY

Silver Creek Elementary School

School Board Meeting

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Legend:			Condition	Years in Service	Life Expectancy
	<input type="checkbox"/>	Meeting Needs, Good Condition			
	<input checked="" type="checkbox"/>	Functioning Condition, Not Current Standards; Consider Improvements			
	<input type="checkbox"/>	Below Standards; Beyond Service Life			
ELECTRICAL DISTRIBUTION, LIGHTING, and RELATED SYSTEMS					
		Building Electrical Service/ Power Distribution	<input type="checkbox"/>	22	40
		Lighting	<input checked="" type="checkbox"/>	22	20
		Technology Infrastructure (Data/Telephones)	<input checked="" type="checkbox"/>	22	10
		Emergency Lighting/Exits**	<input checked="" type="checkbox"/>	22	10
		Communications/Intercom	<input checked="" type="checkbox"/>	22	10
		Fire Alarm System **	<input checked="" type="checkbox"/>	22	20+
		Site Lighting/ Exterior Lighting	<input type="checkbox"/>	22	20
		Building Mounted Exterior Lights	<input checked="" type="checkbox"/>	22	20
		Emergency Generator	<input type="checkbox"/>	22	30

**No Children or Employee are in harm's way

Considerations

- ❖ Replace existing lighting and exit signs with LED lights
- ❖ Add or replace lighting in rooms that do not meet current lighting level standards
- ❖ Upgrade Technology and communication systems to meet current and future needs
- ❖ Upgrade Fire Alarm System

School Board
Meeting

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ASSESSMENT

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DESIGN

FACILITY ASSESSMENT

Silver Creek Elementary School

PRIMARY; 1950/1970 Building Areas

- ❖ Replace ceiling and lights
- ❖ Update Restrooms
- ❖ Replace chalk boards with marker boards
- ❖ Upgrade some of the non ADA compliant toilet rooms
- ❖ Update some doors and hardware to be ADA compliant

SECONDARY

- ❖ Replace quarry tile in Kitchen Area (mismatched patches)
- ❖ Repair terrazzo crack in Cafeteria
- ❖ Update 1970s classroom corridor – add wall pattern and rotate lights

School Board Meeting

DISTRICT-WIDE FACILITY ASSESSMENT

March 12, 2024

CREATED FOR

Silver Creek School Corporation



GIBRALTAR
DESIGN

LIFE CYCLE EXPECTANCY

Silver Creek Middle School

Legend:	<input type="checkbox"/>	Meeting Needs, Good Condition	Condition	Years in Service	Life Expectancy
	<input checked="" type="checkbox"/>	Functioning Condition, Not Current Standards; Consider Improvements			
	<input type="checkbox"/>	Below Standards; Beyond Service Life			
HEATING, VENTILATION and AIR CONDITIONING SYSTEMS (HVAC)					
	<input checked="" type="checkbox"/>	Air Distribution / unit ventilators with HW reheat coils		22	25
	<input type="checkbox"/>	Air Dis. /AHUs (central station chill/hot water coils w/Vfd drive)		22	40
	<input type="checkbox"/>	Air Distribution/Exhaust Fans		22	20
	<input type="checkbox"/>	Cooling Plant (air cooled chiller, indoor evaporator)		22	20
	<input checked="" type="checkbox"/>	Hydronic Pumps		22	20
	<input type="checkbox"/>	Air Conditioning CU (small capacity locker rooms RTU coils)		22	15
	<input type="checkbox"/>	Heating Plant (gas fired boilers)		22	35
	<input type="checkbox"/>	Temperature Controls		22	25
PLUMBING					
	<input type="checkbox"/>	Plumbing Distribution and Infrastructure		22	40
	<input checked="" type="checkbox"/>	Plumbing Equipment (HW recirculating pumps)		22	15
	<input checked="" type="checkbox"/>	Domestic Water Heater		22	25
	<input type="checkbox"/>	Plumbing Fixtures and Trims		22	20
	<input type="checkbox"/>	Fire Protection Sprinkler System Entire Building		22	40

Considerations

- ❖ Major equipment in good condition. Further review for Life Expectancy.
- ❖ System components not aligned with major equipment conditions
- ❖ Replace heating and chilled water pumps
- ❖ Upgrade controls to DDC control with associated building control with “Campus” interface
- ❖ Further review plumbing system

School Board Meeting

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LIFE CYCLE EXPECTANCY

Silver Creek Middle School

Legend:	<input type="checkbox"/>	Meeting Needs, Good Condition	Condition	Years in Service	Life Expectancy
	<input checked="" type="checkbox"/>	Functioning Condition, Not Current Standards; Consider Improvements			
	<input checked="" type="checkbox"/>	Below Standards; Beyond Service Life			
ELECTRICAL DISTRIBUTION, LIGHTING, and RELATED SYSTEMS					
	<input type="checkbox"/>	Building Electrical Service/ Power Distribution		22	40
	<input checked="" type="checkbox"/>	Lighting		22	20
	<input checked="" type="checkbox"/>	Technology Infrastructure (Data/Telephones)		22	10
	<input checked="" type="checkbox"/>	Emergency Lighting/Exits**		22	10
	<input checked="" type="checkbox"/>	Communications/Intercom		22	10
	<input checked="" type="checkbox"/>	Fire Alarm System**		22	20+
	<input type="checkbox"/>	Site Lighting/ Exterior Lighting		22	20
	<input checked="" type="checkbox"/>	Building Mounted Exterior Lights		22	20
	<input type="checkbox"/>	Emergency Generator		22	30

****No Children or Employee are in harm's way**

Considerations

- ❖ Replace existing lighting and exit signs with LED lights
- ❖ Add or replace lighting in rooms that do not meet current lighting level standards
- ❖ Upgrade Technology and communication systems to meet current and future needs
- ❖ Upgrade Fire Alarm System

School Board
Meeting

DISTRICT-WIDE
FACILITY
ASSESSMENT

March 12, 2024

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FACILITY ASSESSMENT

Silver Creek Middle School

PRIMARY

- ❖ Move Clinic or add Toilet Room/Sink and change the carpet to VCT
- ❖ Replace carpet in some rooms
- ❖ Paint walls in some rooms (dated pink/peach color)

SECONDARY

- ❖ Add a double door for moving large instruments in and out
- ❖ Patch paint damaged gypsum board walls in the Kitchen add stainless steel corner guards
- ❖ Patch paint damaged gypsum board walls in the Art Room and add stainless steel corner guards
- ❖ Install vertical grab bars in ADA toilets

School Board Meeting

DISTRICT-WIDE FACILITY ASSESSMENT

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LIFE CYCLE EXPECTANCY

Silver Creek High School

Legend:	<input type="checkbox"/> Meeting Needs, Good Condition	<input checked="" type="checkbox"/> Functioning Condition, Not Current Standards; Consider Improvements	<input checked="" type="checkbox"/> Below Standards; Beyond Service Life	Condition	Years in Service	Life Expectancy	2024 Update
HEATING, VENTILATION and AIR CONDITIONING SYSTEMS (HVAC)							
Air Distribution / VAV boxes with HW reheat coils	<input checked="" type="checkbox"/>					25	✓
Air Dis. /AHUs (central station chill/hot water coils w/VAV drive)	<input checked="" type="checkbox"/>					40	✓
Air Distribution/Exhaust Fans	<input checked="" type="checkbox"/>					20	✓
Cooling Plant (air cooled chiller, indoor evaporator)				N/A		20	✓
End Suction Hydronic Pumps	<input checked="" type="checkbox"/>					20	✓
Air Conditioning CU (small capacity locker rooms RTU coils)	<input type="checkbox"/>					15	
Heating Plant (gas fired boilers)	<input checked="" type="checkbox"/>					35	✓
Temperature Controls	<input type="checkbox"/>					25	
PLUMBING							
Plumbing Distribution and Infrastructure	<input checked="" type="checkbox"/>					40	✓
Plumbing Equipment (HW recirculating pumps)	<input checked="" type="checkbox"/>					15	
Domestic Water Heater (electric)				N/A		25	
Plumbing Fixtures and Trims	<input checked="" type="checkbox"/>					20	✓
Fire Protection Sprinkler System Entire Building	<input checked="" type="checkbox"/>					40	✓

Considerations

- ❖ Project underway addressing most building – wide updates
- ❖ Review further systems and project details for confirmation

LIFE CYCLE EXPECTANCY

Silver Creek High School

School Board Meeting

DISTRICT-WIDE FACILITY ASSESSMENT

March 12, 2024

CREATED FOR

Silver Creek School Corporation



GIBRALTAR DESIGN

Legend:	<input type="checkbox"/>	Meeting Needs, Good Condition	Condition	Years in Service	Life Expectancy	2024 Update
	<input checked="" type="checkbox"/>	Functioning Condition, Not Current Standards; Consider Improvements				
	<input type="checkbox"/>	Below Standards; Beyond Service Life				
ELECTRICAL DISTRIBUTION, LIGHTING, and RELATED SYSTEMS						
	<input checked="" type="checkbox"/>	Building Electrical Service/ Power Distribution			40	✓
	<input checked="" type="checkbox"/>	Lighting			20	✓
	<input checked="" type="checkbox"/>	Technology Infrastructure (Data/Telephones)			10	✓
	<input type="checkbox"/>	Emergency Lighting/Exits**			10	
	<input checked="" type="checkbox"/>	Communications/Intercom			10	✓
	<input checked="" type="checkbox"/>	Fire Alarm System**			20+	
	<input checked="" type="checkbox"/>	Site Lighting/ Exterior Lighting			20	✓
	<input checked="" type="checkbox"/>	Building Mounted Exterior Lights			20	✓
	<input type="checkbox"/>	Emergency Generator			30	

**No Children or Employee are in harm's way

Considerations

- ❖ Project underway addressing most building – wide updates
- ❖ Review further systems and project details for confirmation

School Board
Meeting

**DISTRICT-WIDE
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ASSESSMENT**

March 12, 2024

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LEARNING ENVIRONMENT INPUT

School Board
Meeting

DISTRICT-WIDE
FACILITY
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LEARNING ENVIRONMENT INPUT

Approach and Options

1. Staff Learning Environment Input
 - a) *District-Wide Survey for all staff opportunity*
2. Principal Review Survey Results
3. Gibraltar Meet with Principal(s)
 - a) *Observation Tour (Same Meeting or Follow Up Visit)*
4. Review with Superintendent Team
5. Present Summary to School Board

LEARNING ENVIRONMENT INPUT

Example Questions

School Board Meeting

DISTRICT-WIDE FACILITY ASSESSMENT

March 12, 2024

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	Strongly Agree	Agree	No Opinion	Disagree	Strongly Disagree
Building seems barrier-free (accessible) both outside and internally					
Entrances and exits are located to allow efficient student traffic flow such as bus loading, recess, other					
Locations of (distance to) restrooms is adequate					
Restrooms/number of fixtures is adequate throughout the building					

LEARNING ENVIRONMENT INPUT

Example of Tabulated Results

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DISTRICT-WIDE FACILITY ASSESSMENT

March 12, 2024

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	Strongly Agree	Agree	No Opinion	Disagree	Strongly Disagree
Rooms are adequately sound insulated.	3.6% (2)	32.1% (18)	8.9% (5)	41.1% (23)	14.3% (8)
Number of electrical outlets in teaching/instructional areas is sufficient.	1.8% (1)	16.1% (9)	21.4% (12)	28.6% (16)	32.1% (18)
Size of learning areas/classrooms meets curriculum needs.	1.9% (1)	22.6% (12)	18.9% (10)	35.8% (19)	20.8% (11)
Storage for student materials is adequate.	0.0% (0)	19.6% (11)	21.4% (12)	35.7% (20)	23.2% (13)
Storage for teacher materials is adequate.	0.0% (0)	14.3% (8)	23.2% (13)	41.1% (23)	21.4% (12)
Carpet is safe, clean and adequate.	1.8% (1)	14.3% (8)	8.9% (5)	37.5% (21)	37.5% (21)
Classrooms are equipped to manage special needs students (physical disabilities, wheelchairs, extra room for assistants).	1.8% (1)	12.5% (7)	17.9% (10)	30.4% (17)	37.5% (21)
Lockers are safe and usable (open/close correctly).	1.8% (1)	17.9% (10)	23.2% (13)	33.9% (19)	23.2% (13)
Desks function properly (open/stay open).	0.0% (0)	3.6% (2)	23.2% (13)	33.9% (19)	39.3% (22)
Classrooms offer enough space for classroom instructional needs (small group, whole group, student desks, learning stations), as well as a space for teacher desk area that does not use important student work areas.	0.0% (0)	19.6% (11)	8.9% (5)	32.1% (18)	39.3% (22)

School Board
Meeting

**DISTRICT-WIDE
FACILITY
ASSESSMENT**

March 12, 2024

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NEXT STEPS

School Board
Meeting

DISTRICT-WIDE
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ASSESSMENT

March 12, 2024

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NEXT STEPS

Prior to Next Meeting

- ❖ Continue site visits for further assessment and understanding of each school
- ❖ Further review of recently acquired office buildings
- ❖ Data collection and review of operational costs
- ❖ Meeting with facility and maintenance team to review preliminary findings



THANK YOU

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