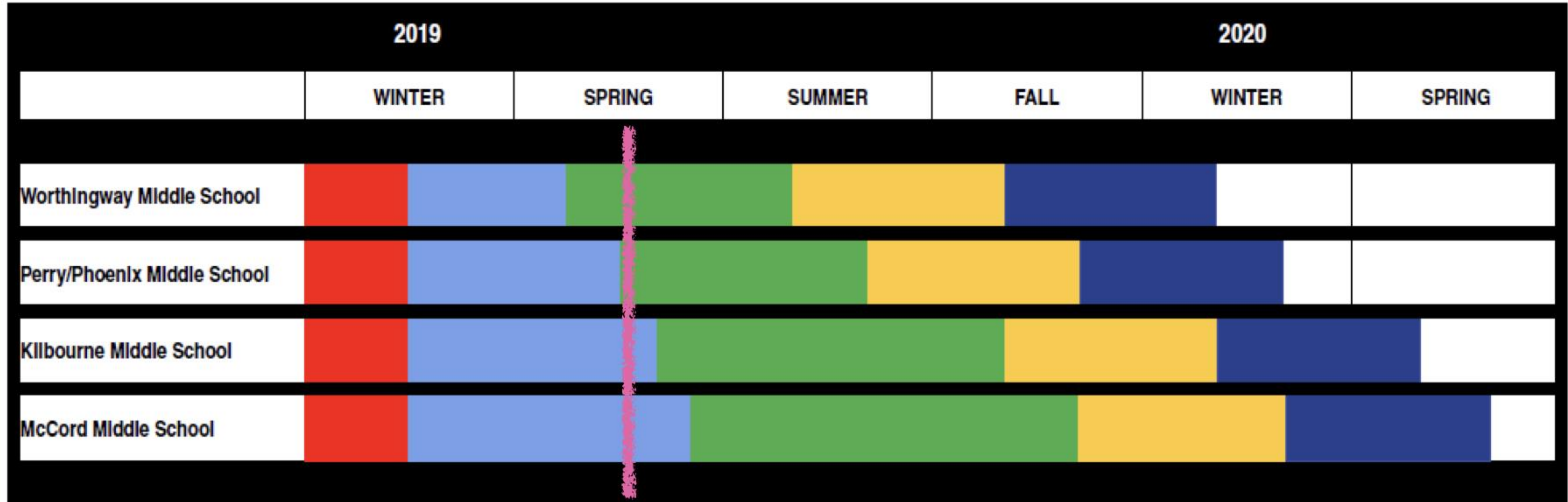


Worthington City School District

Schematic Design Update Worthingway Middle School Perry/Phoenix Middle School

April 8, 2019





- POR - Programming
- SD - Schematic Design
- DD - Design Development
- CD - Construction Documents
- PR - Procurement



Worthingway Middle School

Submit POR	February 18, 2019
SD Site Design Committee Meeting	February 26, 2019
Steering Committee Meeting	March 5, 2019
SD Community Meeting	March 5, 2019
SD Site Design Committee Meeting	March 7, 2019
Submit SD	March 18, 2019
Steering Committee Meeting	March 19, 2019
School Board Meeting (Approve POR and Update SD)	March 25, 2019
Steering Committee Meeting	April 2, 2019
CMR Reconcile	April 15, 2019
School Board Meeting (Approve SD)	April 22, 2019
Steering Committee Meeting	April 23, 2019
Steering Committee Meeting	May 7, 2019
DD Site Design Committee Meeting	May 7, 2019
Steering Committee Meeting	May 21, 2019
Steering Committee Meeting	June 4, 2019





Worthington Middle School Projects

August 2021

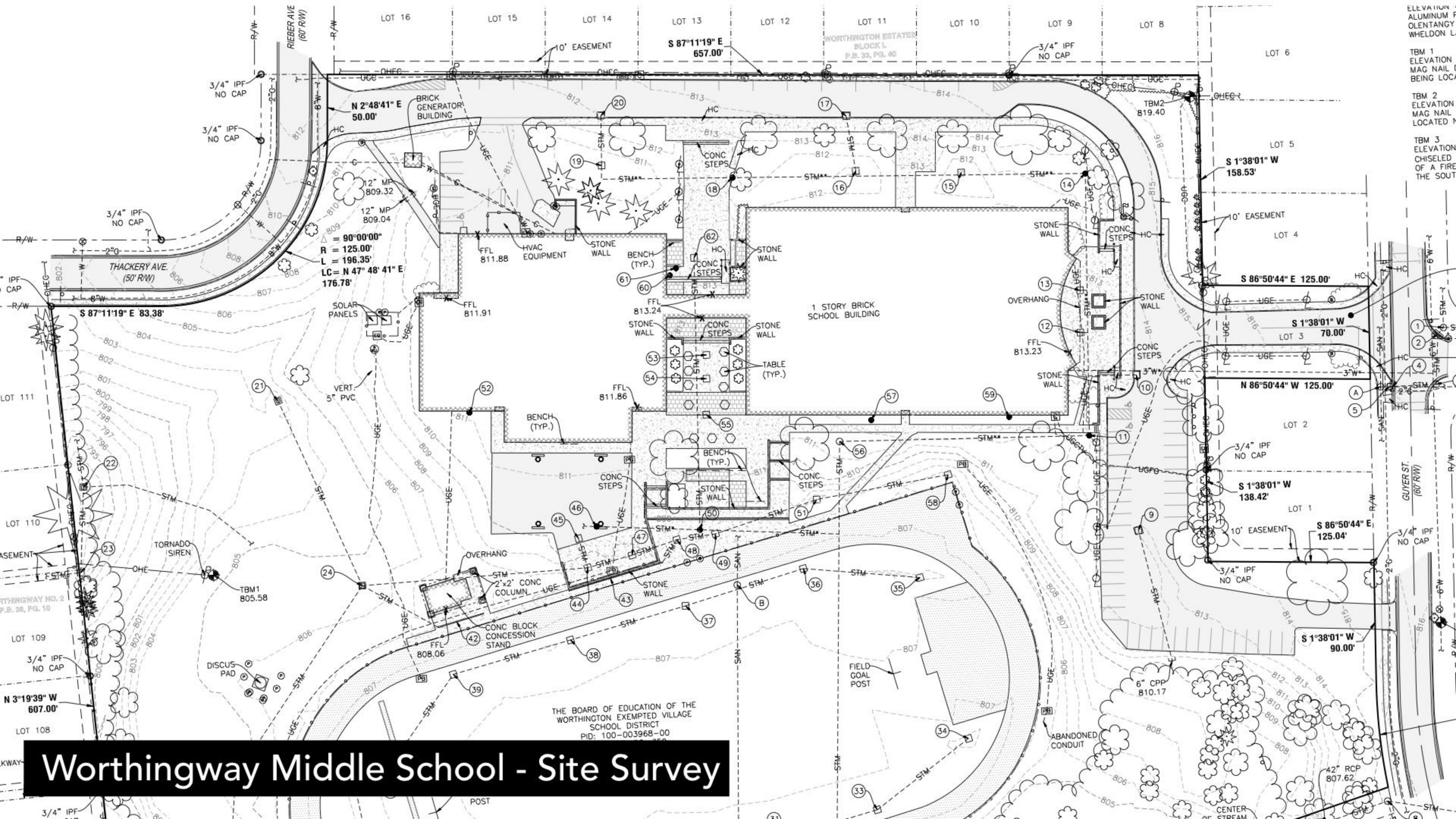
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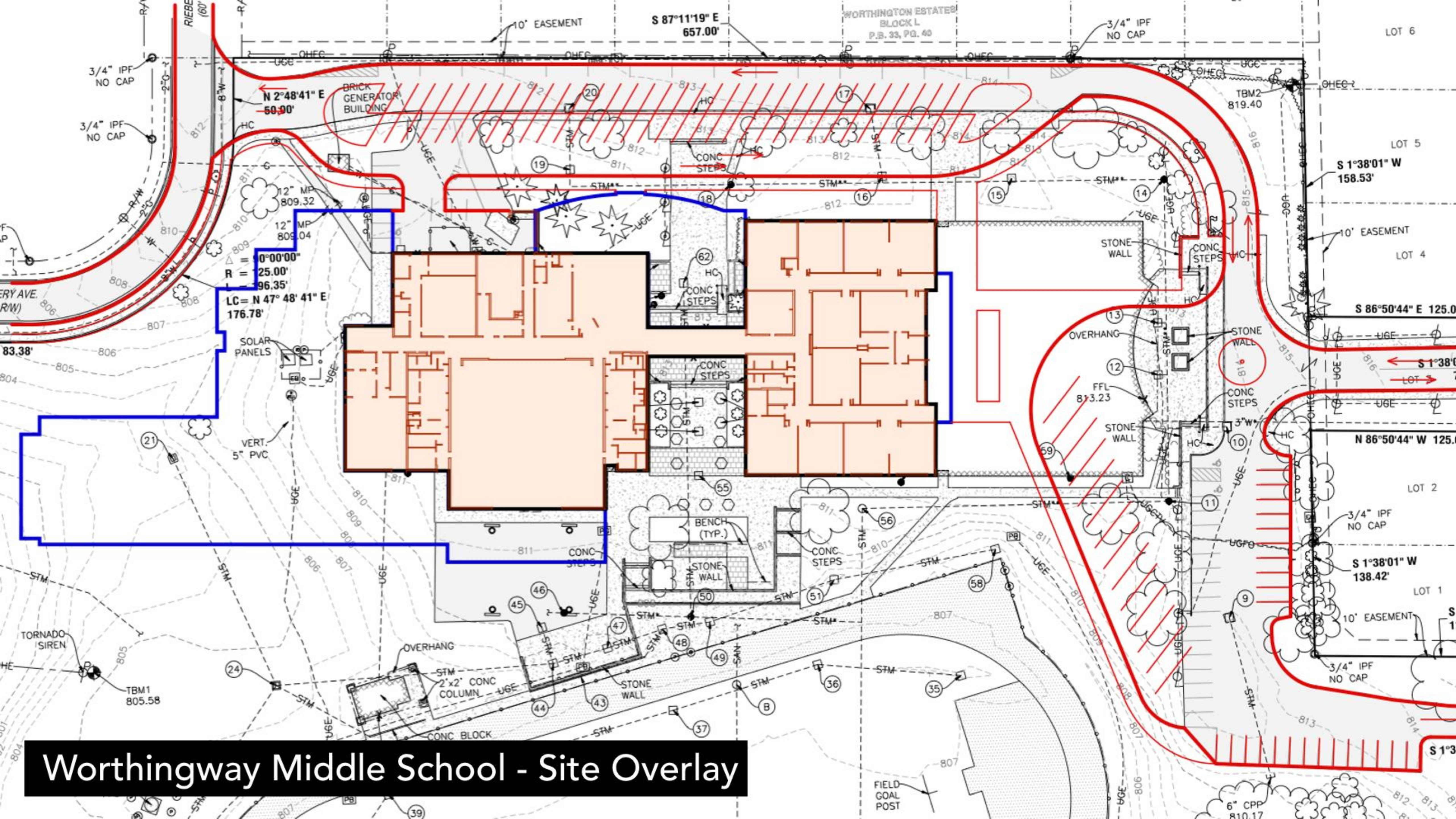
An aerial photograph of the Worthingway Middle School campus. The school building is a large, light-colored structure with a flat roof, situated in the upper right portion of the image. To its left is a paved basketball court. Below the school building is a large, oval-shaped athletic field with a green grassy center and a dark running track. The field is marked with white yard lines. To the right of the field, there is a parking lot filled with cars. The entire campus is surrounded by lush green trees and a residential neighborhood with houses and streets is visible in the background.

**WORTHINGWAY
MIDDLE SCHOOL**

WMS - Aerial Photo



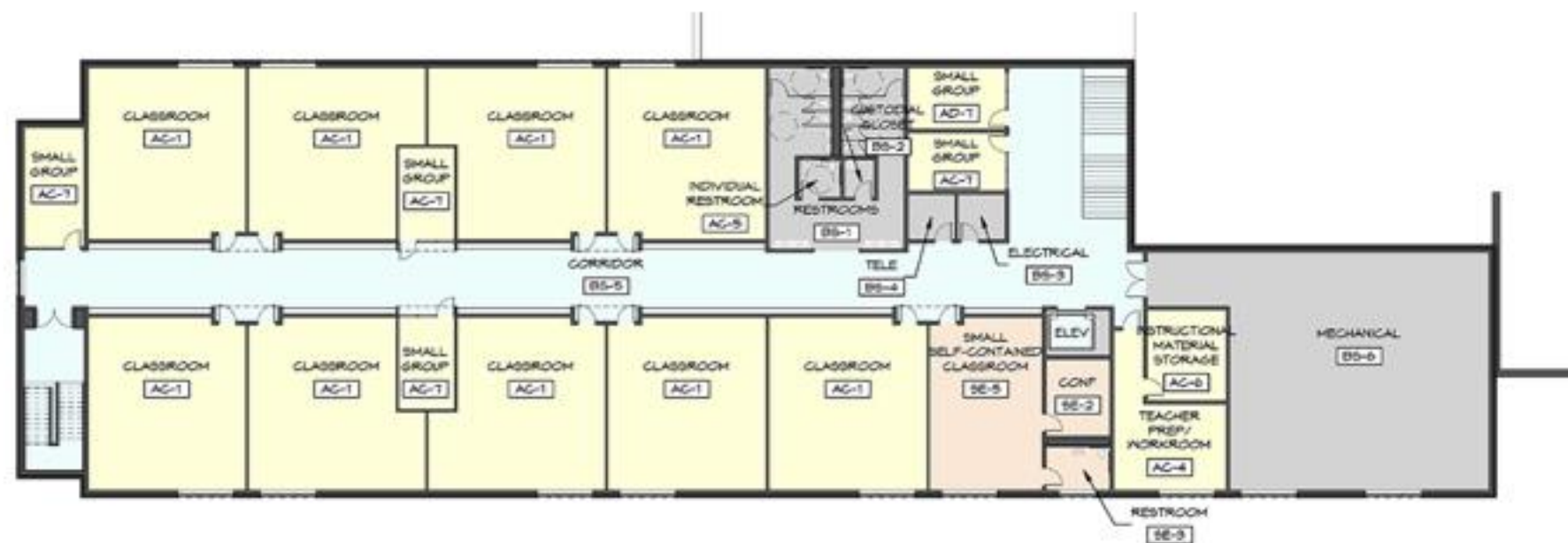
Worthingway Middle School - Site Survey



Worthingway Middle School - Site Overlay



1 MAIN LEVEL FLOOR - PRESENTATION
1/16" = 1'-0"



GROSS BUILDING AREAS

BUILDING AREA X - DEMOLITION	18,700 GSF
BUILDING AREA A - RENOVATION	14,150 GSF
BUILDING AREA B - RENOVATION	29,970 GSF
BUILDING AREA C - ADDITION	8,940 GSF
BUILDING AREA D - MAIN LEVEL - ADDITION	31,670 GSF
BUILDING AREA D - UPPER LEVEL - ADDITION	18,240 GSF
TOTAL BUILDING AREA	102,670 GSF

SPATIAL RELATIONSHIP LEGEND

AC-#	ACADEMIC CORE SPACES
SE-#	SPECIAL EDUCATION SPACES
AD-#	ADMINISTRATIVE SPACES
MC-#	MEDIA CENTER SPACES
VA-#	VISUAL ARTS SPACES
MU-#	MUSIC SPACES
TE-#	TECHNOLOGY EDUCATION SPACES
PE-#	PHYSICAL EDUCATION SPACES
SD-#	STUDENT DINING SPACES
FS-#	FOOD SERVICE SPACES
CU-#	CUSTODIAL SPACES
CIRCULATION	CIRCULATION SPACES

FLOOR PLAN - PRESENTATION

Worthingway Middle School
Additions and Renovations
6625 Guyer Street
Worthington, Ohio 43085

PREPARED FOR:
WORTHINGTON CITY SCHOOLS
200 East Wilson Bridge Road
Worthington, Ohio 43085

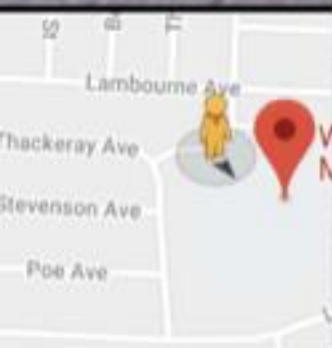
schorr architects inc.

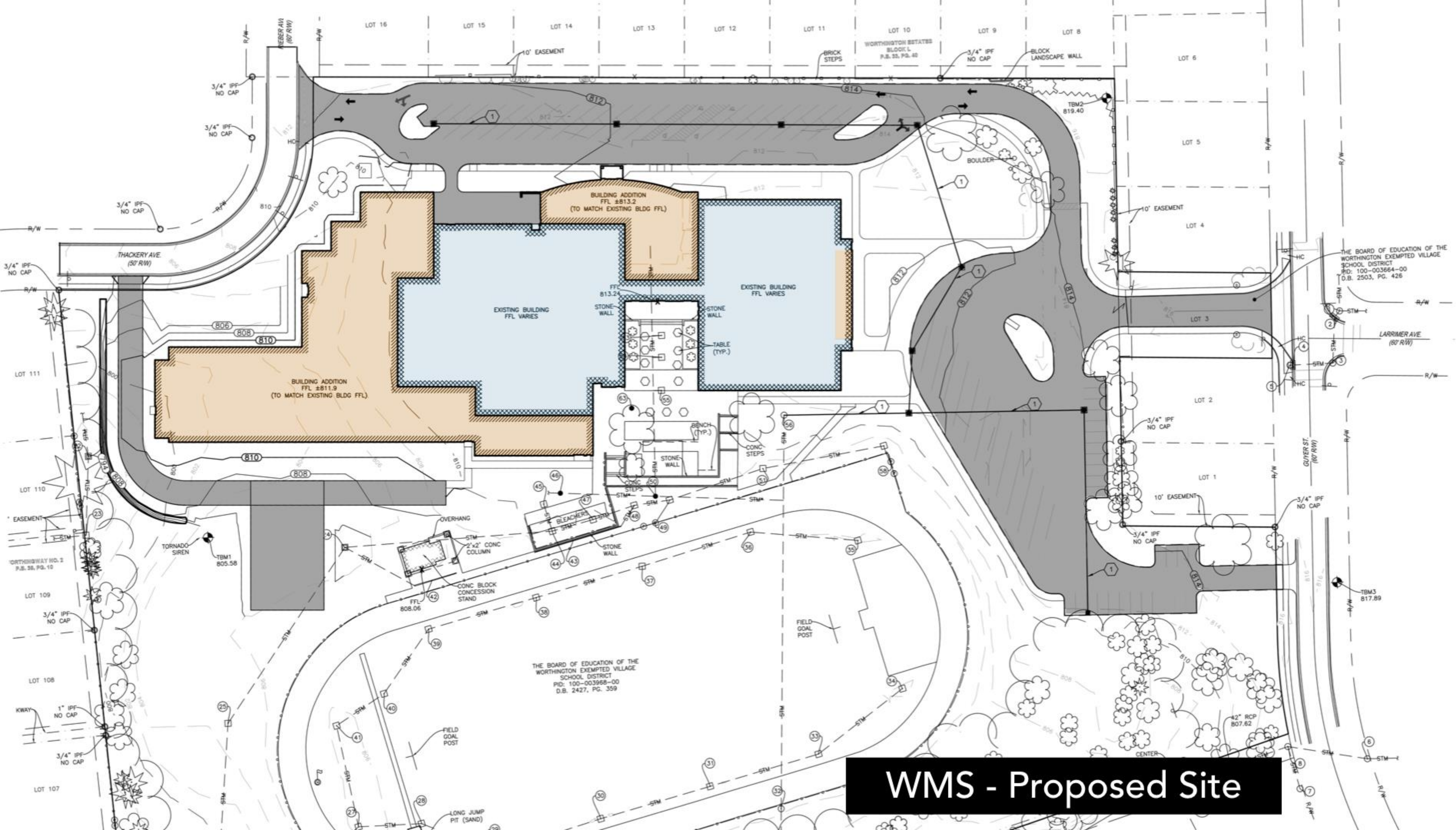
CDA COMMUNITY DESIGN ALLIANCE

Schematic Design: 03/18/2019

COMM. NO.: 1854

WMS - Schematic Plan



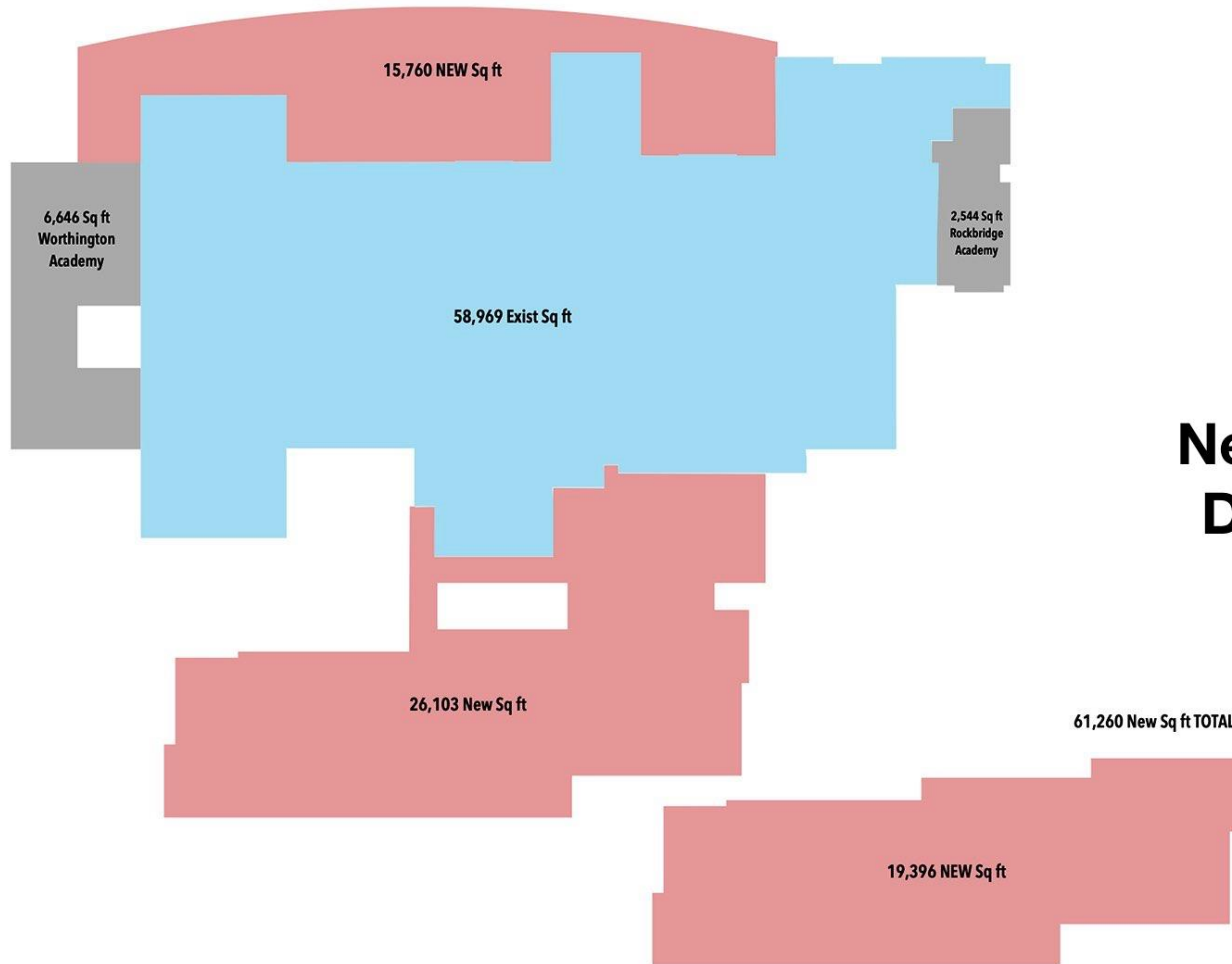




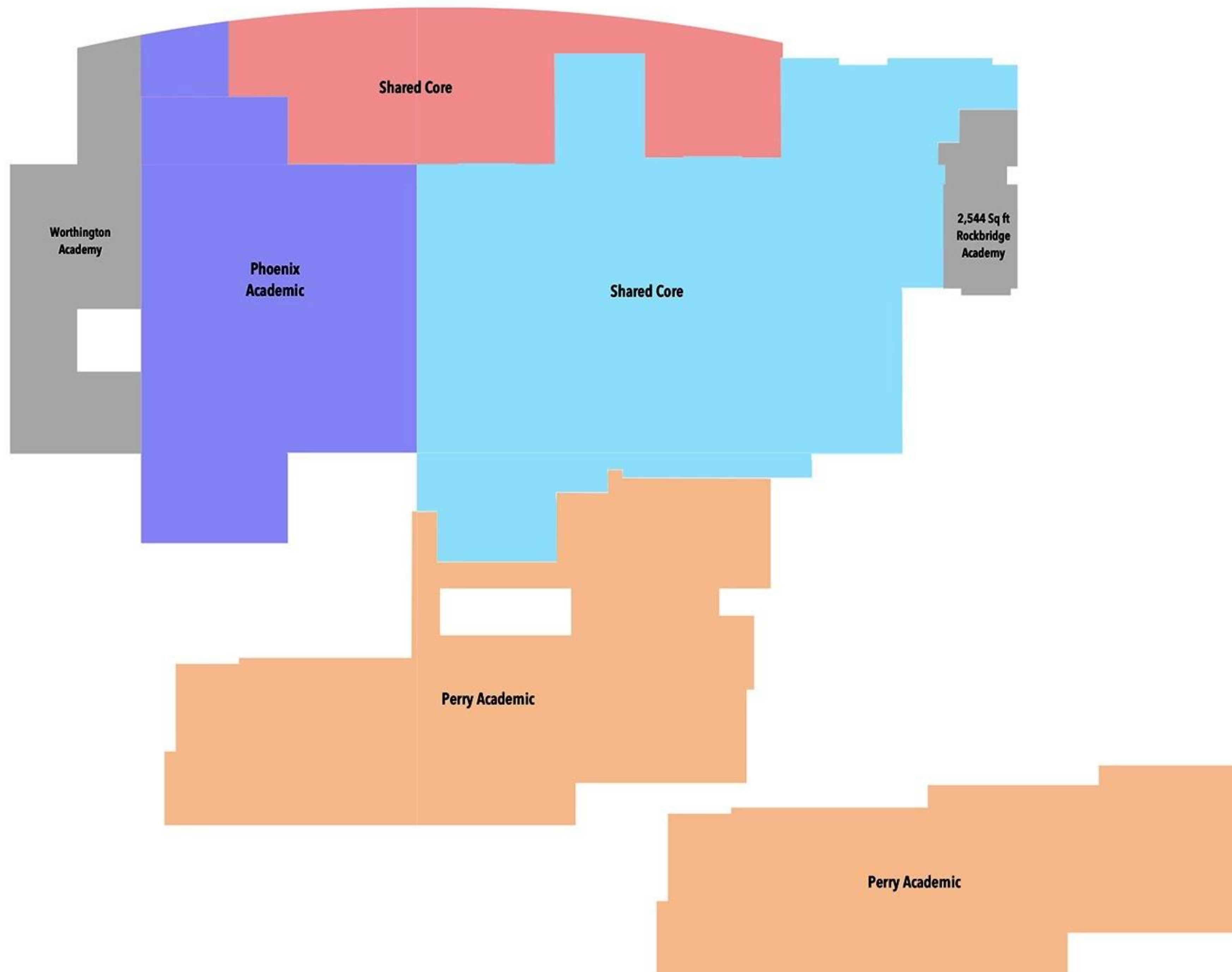
Perry/Phoenix MS - Aerial Photo



Schematic Design Overall Plan



New / Existing Diagram Plan



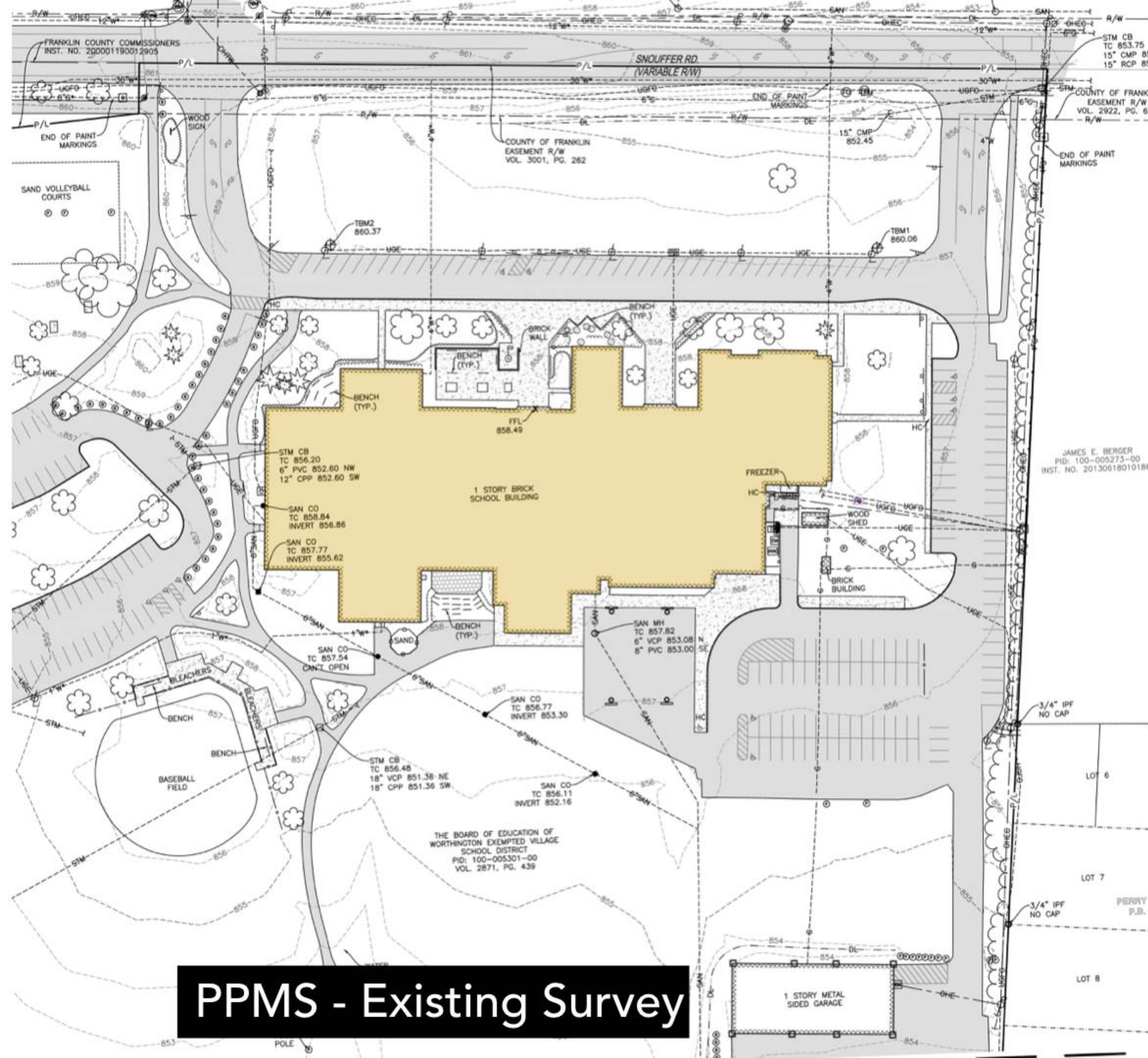
Building Disposition



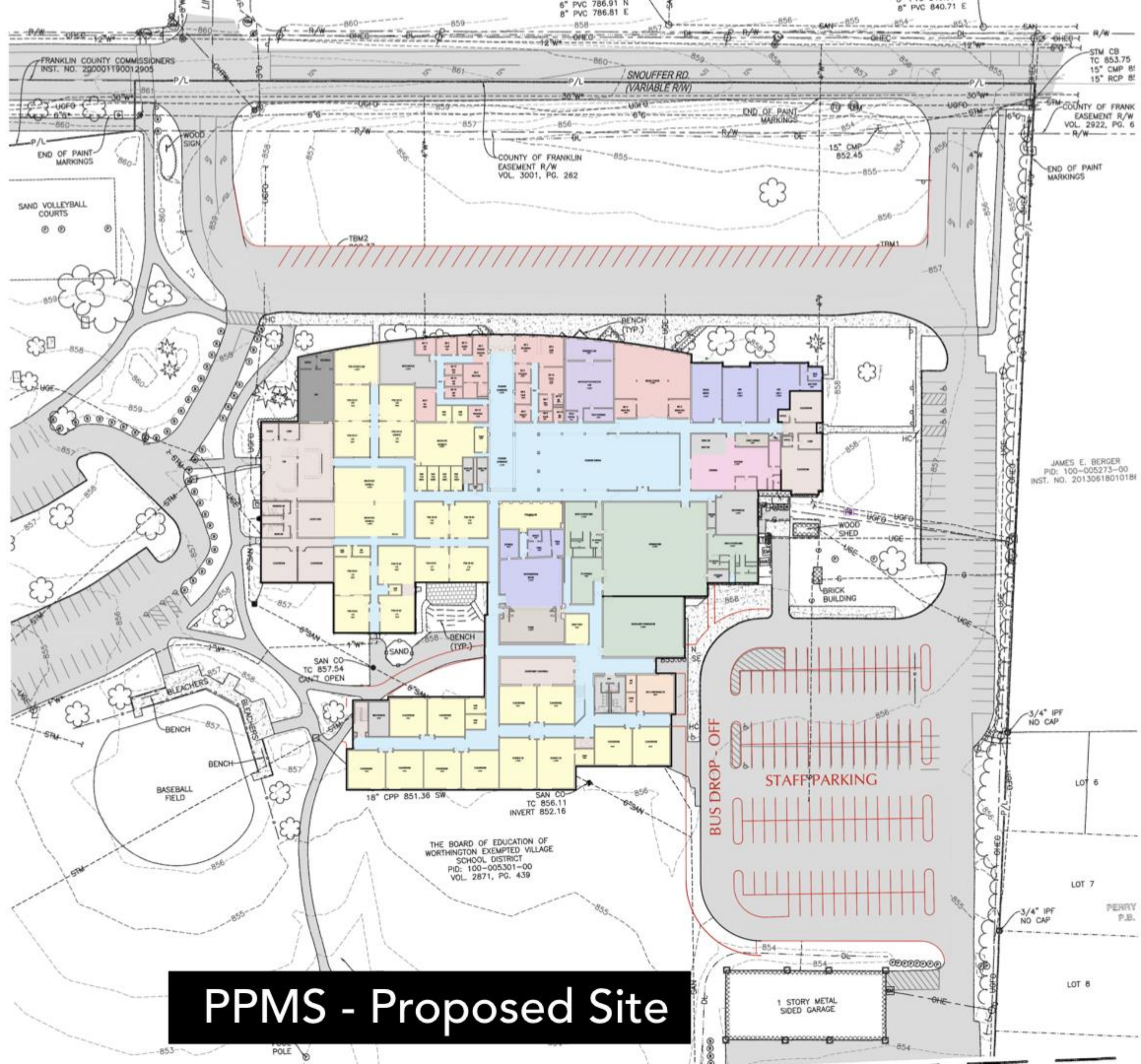
Demolition Plan



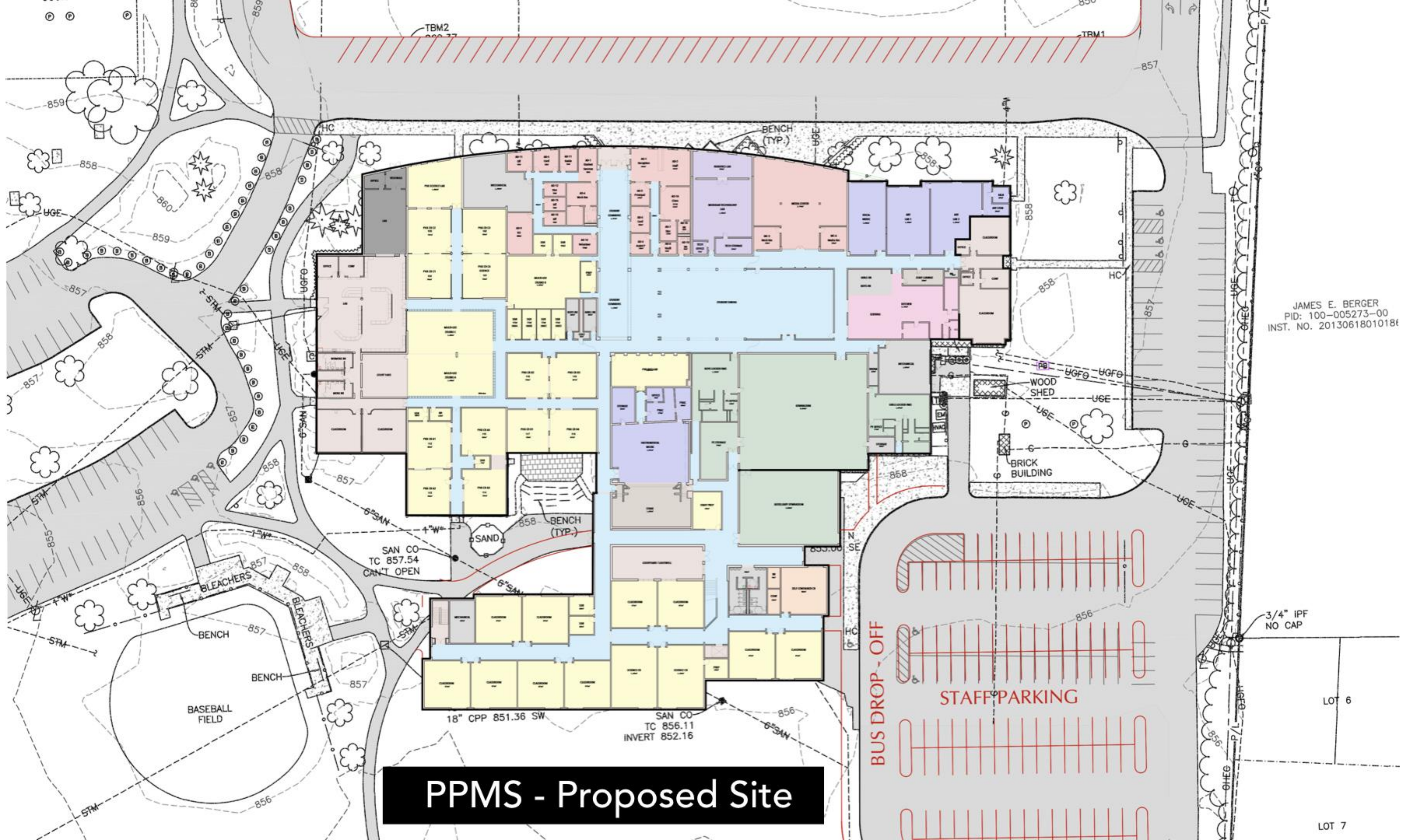
WMS - Site



PPMS - Existing Survey



PPMS - Proposed Site



JAMES E. BERGER
PID: 100-005273-00
INST. NO. 20130618010186

PPMS - Proposed Site

LOT 6

LOT 7

Worthington City School District

Schematic Design Update

QUESTIONS ?

April 8, 2019



Sustainable Design Overview

Worthington City School District

April 8, 2019



Sustainable Design

"meeting the needs of the present without compromising the ability of future generations to meet their own needs."

High Performance Design

Green Architecture

21st Century Design

Eco Design

Renewable Design

Durable Design

Integrative Design





Reduced Utility Costs

- Improved design to reduce energy costs
- Efficient fixtures to reduce demand for water supply
- Native vegetation to reduce irrigation
- Building orientation and daylighting
- Commissioning to ensure proper installation and start-up
- On-going maintenance and verification



Healthier Atmosphere

- Improved indoor air quality
- Increased work performance
- Reduced absenteeism and sickness
- Individual controls for thermal comfort
- Individual controls for lighting levels
- Increased outdoor air ventilation and circulation



Global Environment Protection

- Reduced vehicle carbon emissions
- Renewable energy sources
- Recycling and reuse of materials
- Reduced impact on ozone and global warming
- Proper site selection for less impact on ecosystems

Prosperity

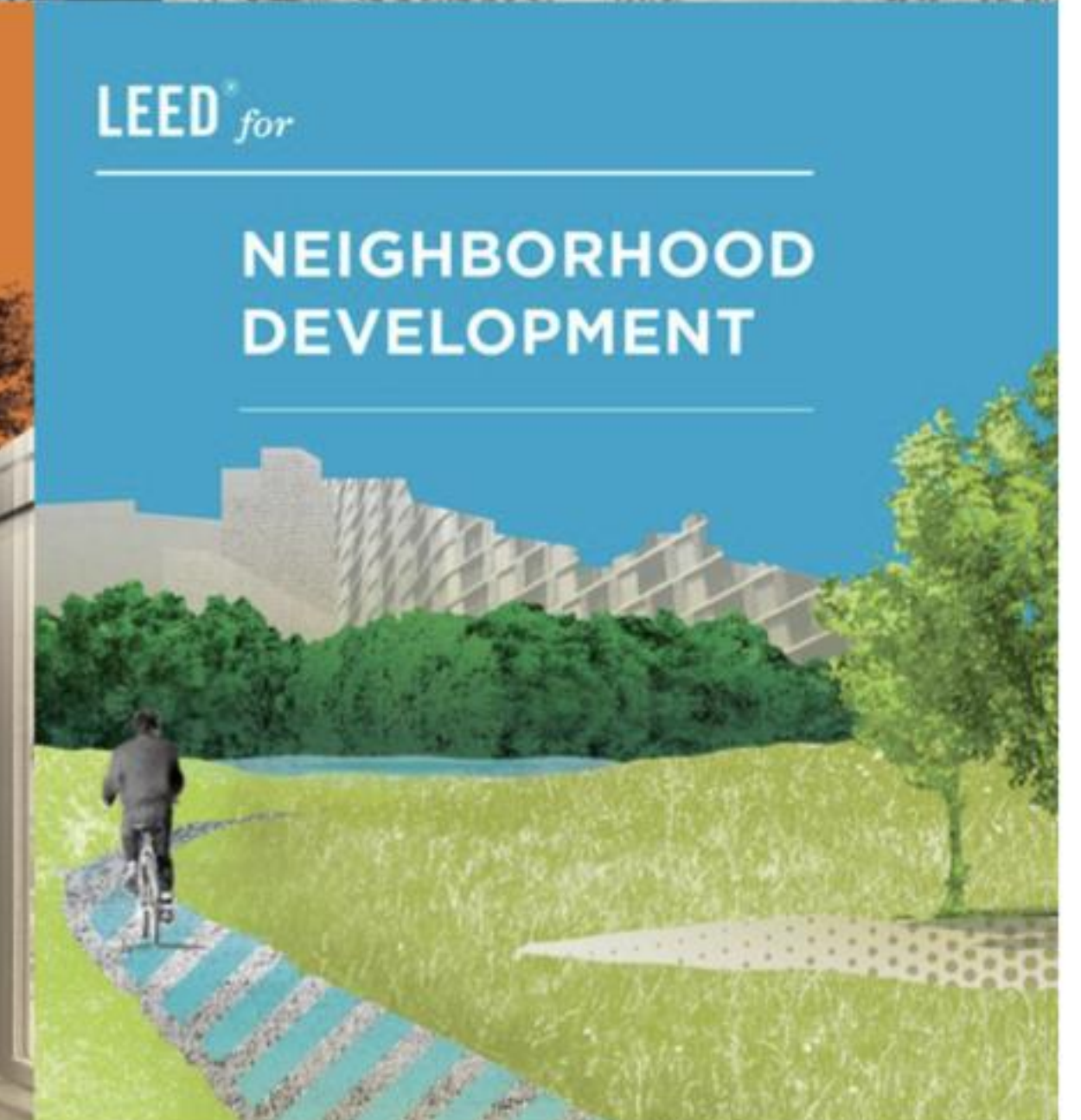
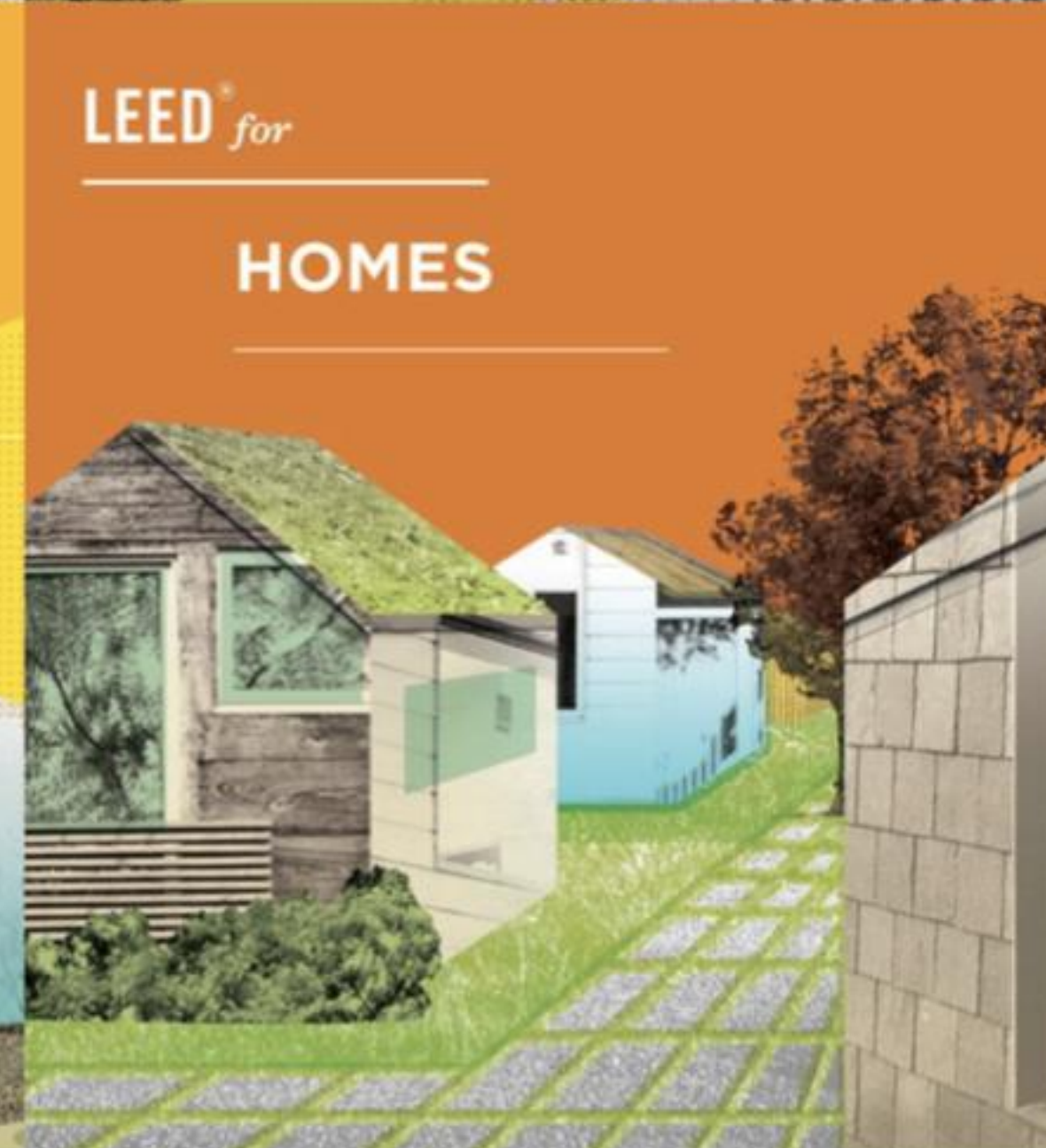
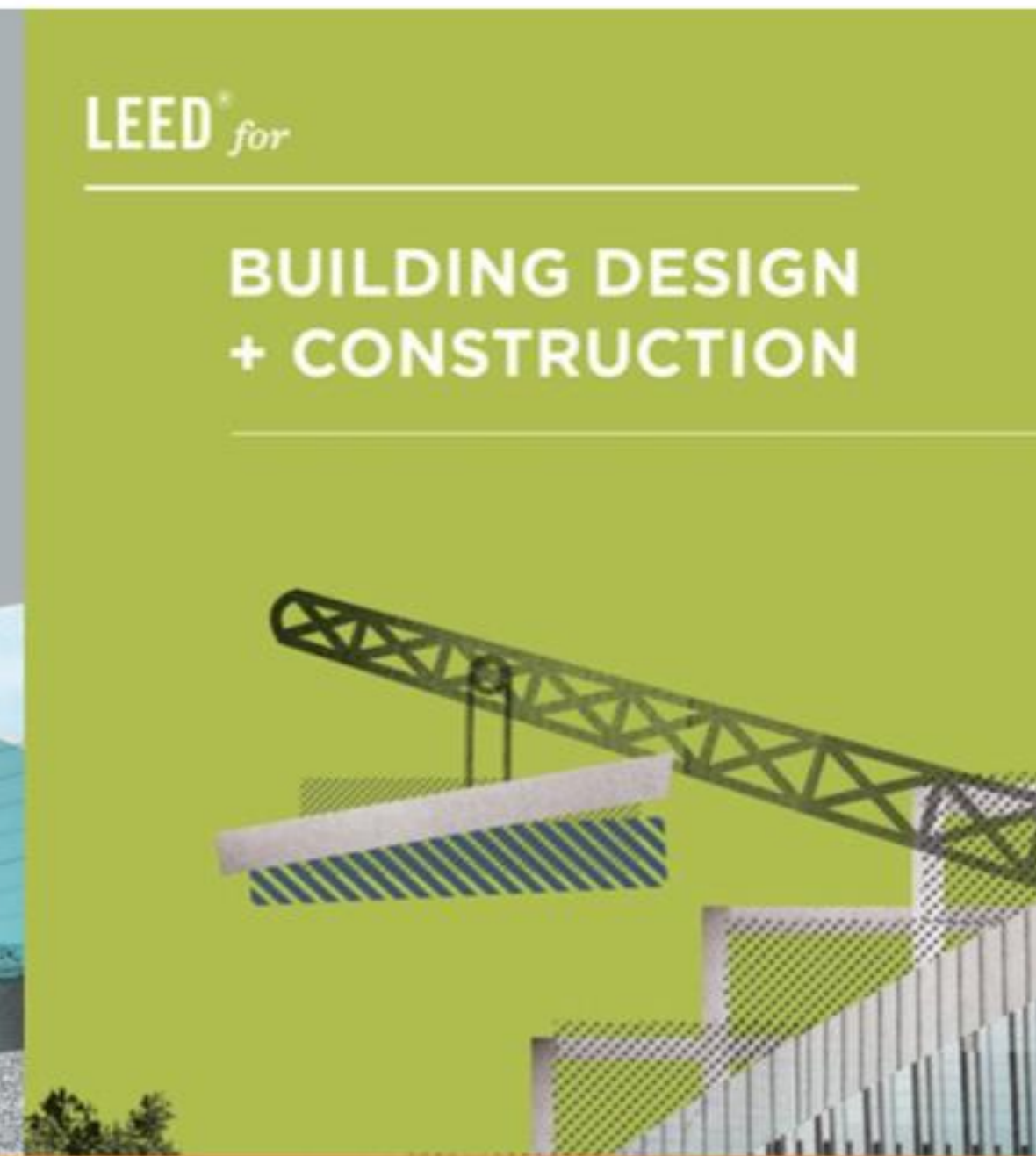
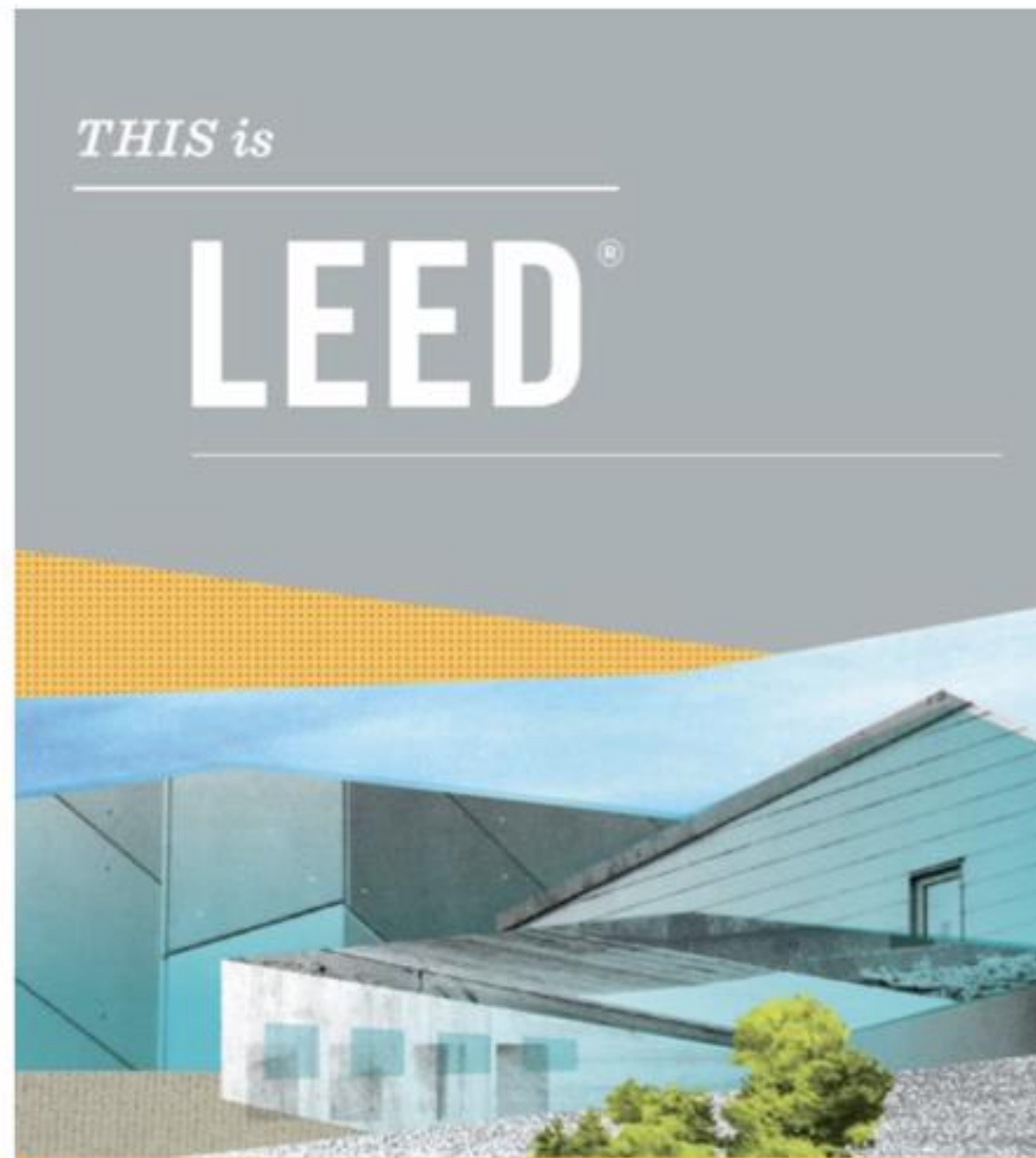
People

Planet



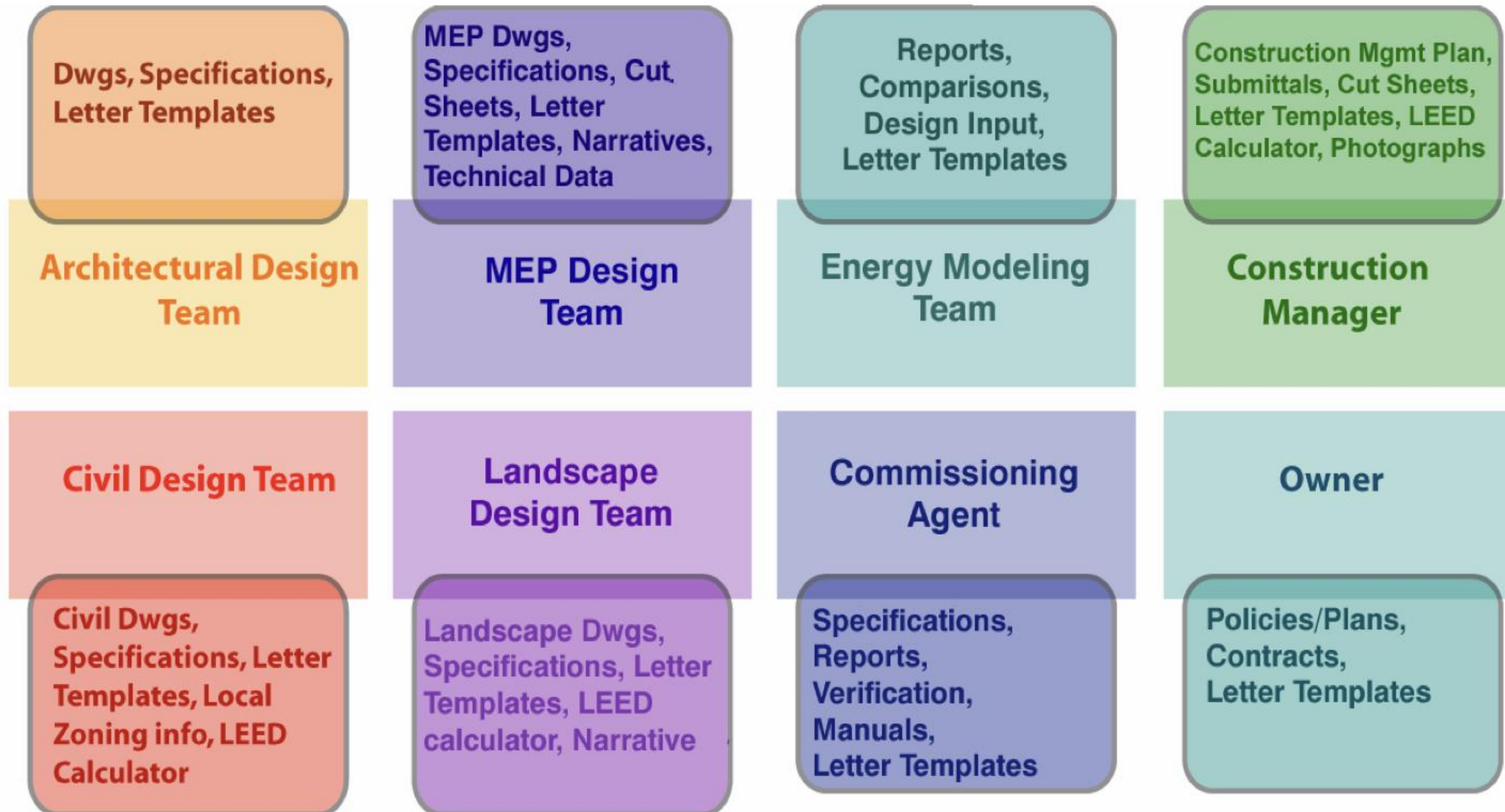
Leadership in Energy and Environmental Design

Voluntary, third-party verification and certification system first released in 1998





Integrative Design



LEED Certification Levels



CERTIFIED

40 - 49 POINTS



*** SILVER**

50 - 59 POINTS



GOLD

60 - 79 POINTS



PLATINIUM

80+ POINTS

***Minimum required by OFCC**

**LEED v4 for BD+C: Schools****Project Checklist**

Y ? N



Credit Integrative Process

1

5	6	#	Location and Transportation	15
		15	Credit LEED for Neighborhood Development Location	15
1			Credit Sensitive Land Protection	1
	2	0	Credit High Priority Site	2
1	3	1	Credit Surrounding Density and Diverse Uses	5
1	0	3	Credit Access to Quality Transit	4
	1		Credit Bicycle Facilities	1
1			Credit Reduced Parking Footprint	1
1			Credit Green Vehicles	1

3	3	6	Sustainable Sites	12
Y			Prereq Construction Activity Pollution Prevention	Required
Y			Prereq Environmental Site Assessment	Required
1			Credit Site Assessment	1
		2	Credit Site Development - Protect or Restore Habitat	2
	1		Credit Open Space	1
		3	Credit Rainwater Management	3
	2		Credit Heat Island Reduction	2
1			Credit Light Pollution Reduction	1
		1	Credit Site Master Plan	1
1			Credit Joint Use of Facilities	1

7	3	2	Water Efficiency	12
Y			Prereq Outdoor Water Use Reduction	Required
Y			Prereq Indoor Water Use Reduction	Required
Y			Prereq Building-Level Water Metering	Required
2			Credit Outdoor Water Use Reduction	2
4	3		Credit Indoor Water Use Reduction	7
		2	Credit Cooling Tower Water Use	2
1			Credit Water Metering	1

16	9	6	Energy and Atmosphere	31
Y			Prereq Fundamental Commissioning and Verification	Required
Y			Prereq Minimum Energy Performance	Required
Y			Prereq Building-Level Energy Metering	Required
Y			Prereq Fundamental Refrigerant Management	Required
6			Credit Enhanced Commissioning	6
7	3	6	Credit Optimize Energy Performance	16
1			Credit Advanced Energy Metering	1
2			Credit Demand Response	2
	3		Credit Renewable Energy Production	3
	1		Credit Enhanced Refrigerant Management	1
	2		Credit Green Power and Carbon Offsets	2

Project Name: Worthington

Date:03-13-19

6	4	3	Materials and Resources	13
Y			Prereq Storage and Collection of Recyclables	Required
Y			Prereq Construction and Demolition Waste Management Planning	Required
2	0	3	Credit Building Life-Cycle Impact Reduction	5
1	1		Credit Building Product Disclosure and Optimization - Environmental Product Declarations	2
1	1		Credit Building Product Disclosure and Optimization - Sourcing of Raw Materials	2
1	1		Credit Building Product Disclosure and Optimization - Material Ingredients	2
1	1		Credit Construction and Demolition Waste Management	2

10	5	1	Indoor Environmental Quality	16
Y			Prereq Minimum Indoor Air Quality Performance	Required
Y			Prereq Environmental Tobacco Smoke Control	Required
Y			Prereq Minimum Acoustic Performance	Required
1	1		Credit Enhanced Indoor Air Quality Strategies	2
3			Credit Low-Emitting Materials	3
1			Credit Construction Indoor Air Quality Management Plan	1
2	0		Credit Indoor Air Quality Assessment	2
1			Credit Thermal Comfort	1
2	0		Credit Interior Lighting	2
	3		Credit Daylight	3
	1		Credit Quality Views	1
		1	Credit Acoustic Performance	1

2	2	2	Innovation	6
1	2	2	Credit Innovation	5
1			Credit LEED Accredited Professional	1

3	1	0	Regional Priority	4
1			Credit Regional Priority: Specific Credit	1
1	0		Credit Regional Priority: Specific Credit	1
1	0		Credit Regional Priority: Specific Credit	1
0	1		Credit Regional Priority: Specific Credit	1

52	33	39	TOTALS	Possible Points: 110
----	----	----	--------	----------------------

Certified: 40 to 49 points, Silver: 50 to 59 points, Gold: 60 to 79 points, Platinum: 80 to 110

LEED Charette Scorecard

1

1

	3	
	1	
		1

Credit

Daylight

Credit

Quality Views

Credit

Acoustic Performance

3

1

1

12

Required

Required

Required

2

7

2

1

2	2	2
1	2	2
1		

Innovation

Credit

Innovation

Credit

LEED Accredited Professional

6

5

1

3	1	0
1		
1	0	
1	0	
0	1	

Regional Priority

Credit

Regional Priority: Specific Credit

Credit

Regional Priority: Specific Credit

Credit

Regional Priority: Specific Credit

Credit

Regional Priority: Specific Credit

4

1

1

1

1

31

Required

Required

Required

Required

6

16

1

2

3

1

2

52	33	39
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TOTALS

Possible Points:

110

Certified: 40 to 49 points, **Silver:** 50 to 59 points, **Gold:** 60 to 79 points, **Platinum:** 80 to 110

LEED Charette Scorecard

Sustainability Goals

