



WESTFIELD
WASHINGTON
SCHOOLS

2023 FACILITY STUDY AND MASTER PLAN



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WESTFIELD
WASHINGTON
SCHOOLS

Existing: **BUILDING HISTORY**

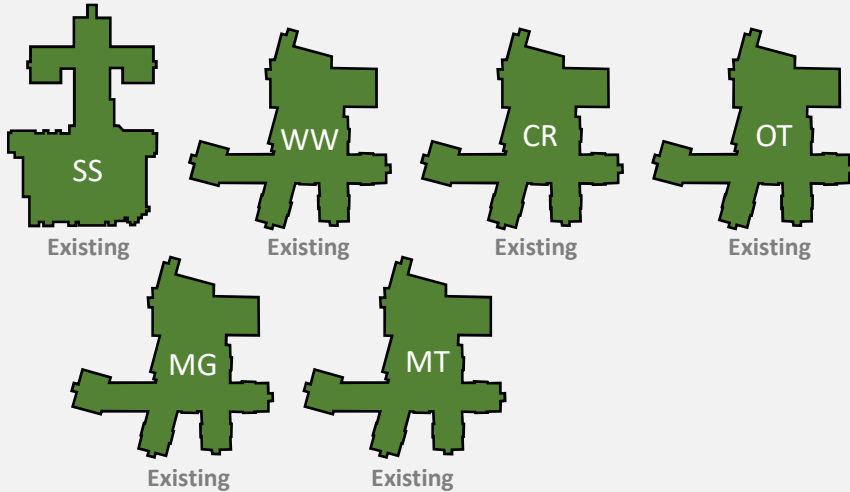
BUILDING	BUILT	ADDITIONS	RENOVATIONS
Shamrock Springs	1994	2003	
Carey Ridge	1998	2005, 2008, 2023	
Oak Trace	2000		
Washington Woods	2003		
Maple Glenn	2006		
Monon Trail	2009		
Virgina F. Wood ELC	2022		
Westfield IS	1988	1988	2002, 2006, 2007
Westfield MS	1967/1976	1992, 2006, 2017	1997, 2001, 2006, 2017
Westfield HS	1997	2001, 2003, 2005, 2010, 2018	2018

*Comprehensive building history available as part of the 2022 Westfield Washington Schools Facility Study.



Existing: K-4 | 5-6 | 7-8 | 9-12 CAPACITIES

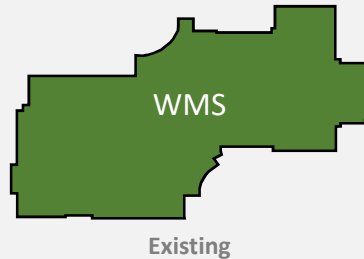
K-4 Elementary Schools



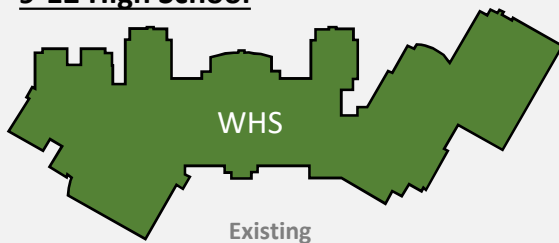
5-6 Intermediate Schools



7-8 Middle Schools



9-12 High School



Current District Building Summary

Grades K-4: (7) Elementary Schools

- Estimated Capacity: **4,130**

Grades 5-6: (1) Intermediate School

- Estimated Capacity: **1,470**

Grades 7-8: (1) Middle School

- Estimated Capacity: **1,460**

Grades 9-12: (1) High School

- Estimated Capacity: **3,400**

Existing: K-4 | 5-6 | 7-8 | 9-12 CAPACITIES

Building	ELC	CRES	MGES	MTES	OTES	WWES	SSES	
Current Instructional Spaces								
Total Number of Full Size Classrooms/K, Spec. Ed./Resource	20	33	33	33	36	36	33	
Carey Ridge Addition		9						
Gym	0	1	1	1	1	1	1	
Art Room	0	1	1	1	1	1	1	
Music	0	1	1	1	1	1	1	
Media Center	0	1	1	1	1	1	1	
Multi-Purpose	1	1	1	1	1	1	1	
Community Room	0	1	0	0	1	1	1	
Total Instructional Spaces	21	48	38	38	42	42	39	
Actual Utilization								
STEM Lab	0	1	1	1	1	1	1	
Special Programming	0	9	1	4	2	4	4	
Alternative Use Total	0	10	2	5	3	5	5	
Remaining Spaces Available for Regular Classrooms	21	32	31	28	33	31	28	
Actual Building Capacity		742	719	650	766	719	650	4,246
2022/2023 Enrollment		635	560	575	587	587	630	3,574
Remaining Capacity		107	159	75	179	132	20	672

Elementary School Capacity Summary

- Not all buildings have the same number of instructional spaces available.
- Existing elementary buildings have capacity to gain an additional 556 students, but select buildings are over capacity.
- Special Programming needs have increased since elementary buildings were originally designed/constructed.

Class Size	
Actual	23.2
District	25.8



Existing: K-4 | 5-6 | 7-8 | 9-12 CAPACITIES

Building	IS	MS				
Current Instructional Spaces						
Total Number of Full Size Classrooms/K, Spec. Ed./Resource	67	66				
Science Labs	0	8				
Gym	2	2				
Art Room	2	2				
Media Center	1	0				
PLTW Lab	1	2				
Band	1	1				
Choir	1	1				
FACS Lab	0	3				
LGI	1	1				
Total Instructional Spaces	76	86				
Functional Building Capacity	1,723	2,134				
Actual Utilization						
	Rooms	# Teams	Rooms	# Teams		
5th Grade Teams (2 Rooms)	28	14				
6th Grade Teams (3 Rooms)	27	9				
7th Grade Teams (4.5 Rooms)			25	5		
8th Grade Teams (4.5 Rooms)			25	5		
Electives	0		22			
Special Programming	10		12			
Total Classrooms	65		84			
Remaining Spaces Available for Growth	2		2			
Actual Building Capacity	1,471		1,459			
2022/2023 Enrollment	1,424		1,426			
Remaining Capacity	47		33			

Middle School and Intermediate School Capacity Summary

- Teaming structures and schedule impact the efficiency of the building use and overall capacity.
- Both buildings are nearing their current capacity based on building size, schedule, and teaming structure.

Class Size	
Actual (5/6)	25.8
Actual (6/8)	23
District	30



Existing: K-4 | 5-6 | 7-8 | 9-12 CAPACITIES

Teaching Stations By Room																						
Floor	Room Name/ Subject	Subject	Room Number	Teaching Stations	Max. Enrollment	Term 1 Occupancy					Term 2 Occupancy					Term 3 Occupancy					Utilization	
						Period 1	Period 2	Period 3	Period 4	Period 5	Period 1	Period 2	Period 3	Period 4	Period 5	Period 1	Period 2	Period 3	Period 4	Period 5	Vacancy	Efficiency
1st	LGI-1		1001	0	0																	
1st	LGI-2		1003	0	0																	
1st	Classroom	Music	1041	1	24	23	21	0	20	0	9	0	0	24	0	25	18	20	9	23	5	67%
1st	LGI	Steel Drums	1047	1	24	0	23	22	23	20	24	22	24	24	0	0	0	0	0	0	7	53%
1st	Choir		1050	1	80	0	57	36	16	0	0	54	34	16	0	0	16	35	39	0	6	60%
1st	Classroom	Music	1052	1	24	15	0	0	0	0	0	0	0	0	22	19	0	21	16	0	10	33%
1st	Band		1053	1	100	30	35	47	0	18	30	0	49	34	15	0	33	49	37	15	3	80%
1st	Classroom	PLTW	1077	1	32	27	0	22	32	32	21	32	32	27	15	27	31	31	16	32	1	93%
1st	Production Lab	Const Trades	1083	1	30	28	26	29	29	27	0	27	28	28	25	0	28	25	0	29	3	80%
1st	Classroom	Housing/Int. Design	1089	1	32	13	29	0	31	27	14	30	30	0	30	31	32	0	0	0	5	67%
1st	Collaboration		1090	0	0																	
1st	Resource	BSD	1101	0.5	12	7	0	0	8	0	11	0	0	11	0	3	0	0	6	0	9	40%
1st	Classroom	Social Studies	1102	1	32	28	33	31	0	24	25	0	32	32	31	31	31	32	0	32	3	80%
1st	Classroom	Social Studies	1104	1	32	30	19	0	32	27	30	18	0	27	30	22	19	30	0	31	3	80%
1st	Classroom	Social Studies	1106	1	32	13	13	0	14	28	17	15	32	0	8	22	19	30	0	31	3	80%
1st	Classroom	Social Studies	1107	1	32	25	24	0	32	27	31	25	0	28	32	29	31	23	32	0	3	80%
1st	Classroom	Social Studies	1108	1	32	20	0	31	31	30	22	32	32	0	28	24	0	26	32	21	3	80%
1st	Classroom	Social Studies	1109	1	32	0	29	32	32	31	0	30	30	29	22	27	29	28	29	0	3	80%
1st	Collaboration		1110	0	0																	
1st	Classroom	Social Studies	1111	1	32	24	0	30	32	23	32	32	32	0	32	32	0	32	32	32	3	80%
1st	Classroom	Social Studies	1113	1	32	28	24	30	32	23	32	32	32	32	32	32	32	32	32	0	1	93%
1st	Classroom	Social Studies	1115	1	32	20	13	32	0	22	6	0	0	32	29	24	32	0	34	0	5	67%
1st	Collaboration		1120	0	0																	
1st	Classroom	Social Studies	1121	1	32	28	26	0	32	27	25	32	32	0	19	30	23	0	33	29	3	80%
1st	Classroom	Econ	1123	1	32	27	26	32	0	22	10	30	29	0	21	27	18	27	26	0	3	80%
1st	Classroom	Econ	1125	1	32	32	29	32	0	32	32	20	23	0	12	0	31	12	30	5	3	80%
1st	Classroom	Social Studies	1127	1	32	32	26	31	32	0	31	32	32	33	0	25	23	32	0	16	3	80%
1st	Classroom	Social Studies	1129	1	32	0	13	32	32	29	32	0	26	20	32	25	23	23	0	22	3	80%

High School Capacity Summary

- Current utilization for the 2022-2023 school year is calculated at an average of 72%.
- The previous project at the high school was designed for the ability to increase utilization efficiency through shared classrooms. This allows for increased student capacity without building more classrooms.

Westfield HS Capacity Summary						
Current Teaching Stations	Class Size	Capacity Subtotal	Efficiency	Total Current Capacity	Current Enrollment (2022-2023)	Remaining Capacity
156	28	4368	72%	3145	2665	480
156	28	4368	87%	3800	2665	1135
156	28	4368	93%	4062	2665	1397

--- Current



Future: K-4 | 5-6 | 7-8 | 9-12 ENROLLMENT FORECAST

Westfield Washington Schools Demographic Study – 2022

Appendix D: Enrollment Forecasts

Westfield Washington: Total Enrollment

	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32
K	606	692	634	695	687	689	690	692	704	704	702	700	693	692
1	661	614	694	699	730	723	725	726	728	730	730	728	726	719
2	650	687	606	722	722	755	748	750	745	747	750	750	743	741
3	642	670	659	639	743	746	779	772	766	761	763	766	764	756
4	649	652	667	691	658	764	768	803	788	781	776	778	775	773
Total K-4	3208	3315	3260	3446	3540	3677	3710	3743	3731	3723	3721	3722	3701	3681
5	640	662	644	677	671	671	779	783	819	804	797	792	794	791
6	622	637	659	663	687	681	681	791	795	831	816	809	804	806
Total 5-6	1262	1299	1303	1340	1358	1352	1460	1574	1614	1635	1613	1601	1598	1597
7	619	646	640	680	683	708	701	701	815	819	856	840	833	828
8	592	635	642	649	694	697	722	715	715	831	835	873	857	850
Total: 7-8	1211	1281	1282	1329	1377	1405	1423	1416	1530	1650	1691	1713	1690	1678
9	668	621	650	673	675	722	725	751	744	744	864	868	908	891
10	574	669	630	646	670	672	718	721	747	740	740	860	864	903
11	561	576	665	629	643	667	669	714	717	743	736	736	856	860
12	533	562	564	663	626	640	664	666	710	713	739	732	732	852
13	12	12	6	11	11	11	11	11	11	11	11	11	11	11
Total: 9-13	2348	2440	2515	2622	2625	2712	2787	2863	2929	2951	3090	3207	3371	3517
Total K-13	8029	8335	8360	8737	8900	9146	9380	9596	9804	9959	10115	10243	10360	10473
Total K-13 Change	8029	8335	8360	8737	8900	9146	9380	9596	9804	9959	10115	10243	10360	10473
%-Change		306	25	377	163	246	234	216	208	155	156	128	117	113
		3.8%	0.3%	4.5%	1.9%	2.8%	2.6%	2.3%	2.2%	1.6%	1.6%	1.3%	1.1%	1.1%
Total: K-4	3208	3315	3260	3446	3540	3677	3710	3743	3731	3723	3721	3722	3701	3681
Change		107	-55	186	94	137	33	33	-12	-8	-2	1	-21	-20
%-Change		3.3%	-1.7%	5.7%	2.7%	3.9%	0.9%	0.9%	-0.3%	-0.2%	-0.1%	0.0%	-0.6%	-0.5%
Total: 5-6	1262	1299	1303	1340	1358	1352	1460	1574	1614	1635	1613	1601	1598	1597
Change		37	4	37	18	-6	108	114	40	21	-22	-12	-3	-1
%-Change		2.9%	0.3%	2.8%	1.3%	-0.4%	8.0%	7.8%	2.5%	1.3%	-1.3%	-0.7%	-0.2%	-0.1%
Total: 7-8	1211	1281	1282	1329	1377	1405	1423	1416	1530	1650	1691	1713	1690	1678
Change		70	1	47	48	28	18	-7	114	120	41	22	-23	-12
%-Change		5.8%	0.1%	3.7%	3.6%	2.0%	1.3%	-0.5%	8.1%	7.8%	2.5%	1.3%	-1.3%	-0.7%
Total: 9-13	2348	2440	2515	2622	2625	2712	2787	2863	2929	2951	3090	3207	3371	3517
Change		92	75	107	3	87	75	76	66	22	139	117	164	146
%-Change		3.9%	3.1%	4.3%	0.1%	3.3%	2.8%	2.7%	2.3%	0.8%	4.7%	3.8%	5.1%	4.3%

Blue cells are historical data; Red numbers are current enrollment; Orange cells are forecasted enrollment.

Summary Findings

- Appendix D excerpt from *Population and Enrollment Forecast* completed by McKibben Demographic Research, LLC. in January 2022
- In school year 2025-2026, student enrollment will exceed capacity at the current Intermediate School and continue to increase.
- In school year 2026-2027, student enrollment will exceed capacity at the current Middle School and continue to increase.
- In school year 2029-2030, student enrollment will exceed capacity at the current High School and continue to increase.
- Current enrollment trends since study was completed exceed enrollment projections.*



Future: **PLANNING FOR INCREASING ENROLLMENTS**

OPTION 1

K-4 | 5-6 | 7-8 | 9-12

Summary

Maintain current grade level alignment which requires expansion at the intermediate and middle school levels.

OPTION 2

K-5 | 6-8 | 9-12

Summary

Re-align grade levels to move 5th grade back to the elementary schools and 6th grade to the middle school. Maintain **4 sections** of each grade level at each elementary. This requires minor renovations at all existing elementary schools and expansion at the middle school level.

GUIDING PRINCIPALS

- Prioritize what is best for Westfield students and families.
- Lay foundation for continued future growth.
- Make fiscally responsible decisions.



Option 1: K-4 | 5-6 | 7-8 | 9-12

Maintain Current Grade Configuration:

Grades K-4:

- Capacity/Projected Enrollment: **4,130 / 3,930**
- No Capacity Additions Needed
- Renovations: 4 Elementary schools will turn 30 years old over the next 10 years and should receive major renovations

Grades 5-6:

- Capacity/Projected Enrollment: **1,460 / 1,717**
- Capacity Expansion: Construct a new 1,200 student 5-6 facility.
- Drop current WIS back to a 1,200 student capacity facility
- Renovations: WIS could benefit from minor renovations to improve special education programs and create equity with new intermediate school.

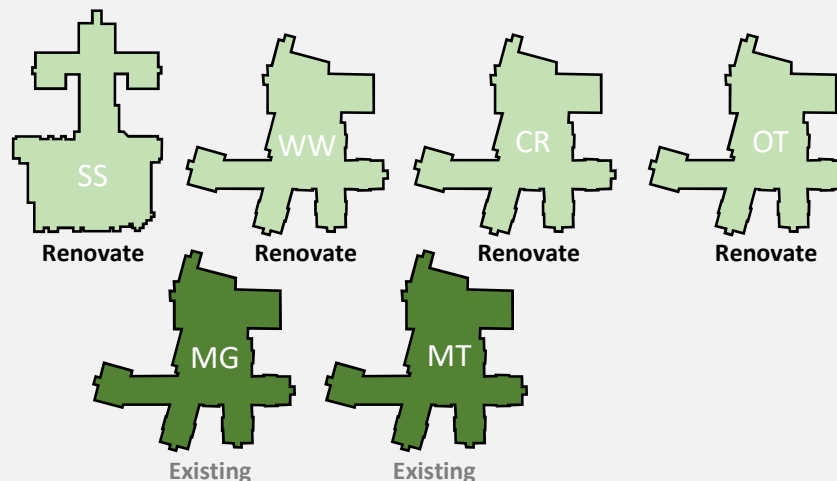
Grades 7-8:

- Capacity/Projected Enrollment: **1,500 / 1,775**
- Capacity Expansion: Construct a new 1,200 student 7-8 facility with future expansion plans.
- Drop current WMS back to a 1,200 student capacity facility
- Renovations: Renovations to create equity with new middle school.

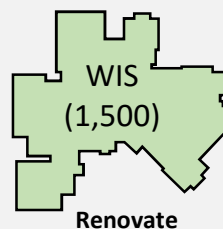
Grades 9-12:

- Capacity/Projected Enrollment: **3,400 / 3,693**
- Capacity Expansion: Construct additions to increase capacity by 1,000 students
- Program Expansions: Construct additions to create space for new and expanded programming offerings in Agri-Science, Performing Arts, and Athletics.

K-4 Elementary Schools

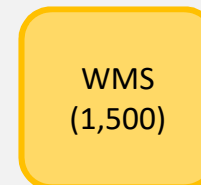
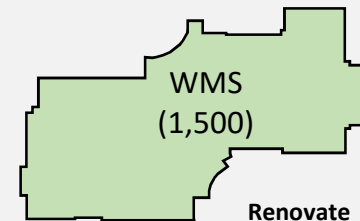


5-6 Intermediate Schools



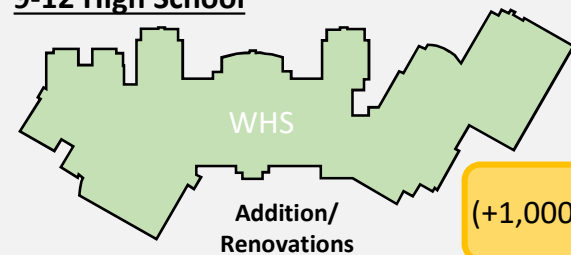
New

7-8 Middle Schools



New

9-12 High School



Addition/
Renovations

Option 1: PROJECT COST ESTIMATES

GRADES K - 4

New Shamrock Springs
 Carey Ridge
 Oak Trace
 Washington Woods
 Maple Glen (Community Room)
 Monon Trail (Community Room)

GRADES 5 - 6

Intermediate School Renovation (1,500)
 New Intermediate School (1,500)

GRADES 7 - 8

Middle School Renovation (1,500)
 New Middle School (1,500)

GRADES 9 - 12

Parking Expansion
 Site Athletic Improvements
 Classroom Additions & Renovations
 Performing Arts & Ag-Science A&R
 Athletics Additions & Renovations

PROGRAM

(Construction costs for program changes)

\$ 55,199,077
 \$ 0
 \$ 0
 \$ 0
 \$ 2,467,667
 \$ 2,467,667
\$ 60,134,411

\$ 0
 \$ 99,687,000
\$ 99,687,000

\$ 0
 \$ 123,750,000
\$ 123,750,000

\$ 6,861,634
 \$ 19,091,071
 \$ 46,789,042
 \$ 23,693,700
 \$ 22,499,199
\$ 118,934,646

LIFE CYCLE

(Construction costs for regular building maintenance over the next 10 years)

\$ 0
 \$ 7,362,944
 \$ 11,906,806
 \$ 9,957,503
 \$ 9,526,635
 \$ 9,138,367
\$ 47,892,255

\$ 13,309,215
 \$ 0
\$ 13,309,215

\$ 27,703,064
 \$ 0
\$ 27,703,064

Improvements Include:

Building Envelope
 Building Systems
 Building Interiors
 Site Improvements

\$ 21,363,339



Option 2: K-4 | 5-6 | 7-8 | 9-12

Realign Grade Configuration:

Grades K-5:

- Capacity/Projected Enrollment: **4,130 / 4,830**
- Maintaining **(4) sections** per grade level will require (1) New elementary school to be constructed and conversion of IS to ES #8.
- All buildings can accommodate capacity without renovations or additions, however some renovations would allow for better building utilization.
- Renovations: 4 Elementary schools will turn 30 years old over the next 10 years and should receive major renovations.
- If growth continues, all or select elementary buildings could be expanded to accommodate 5 sections.

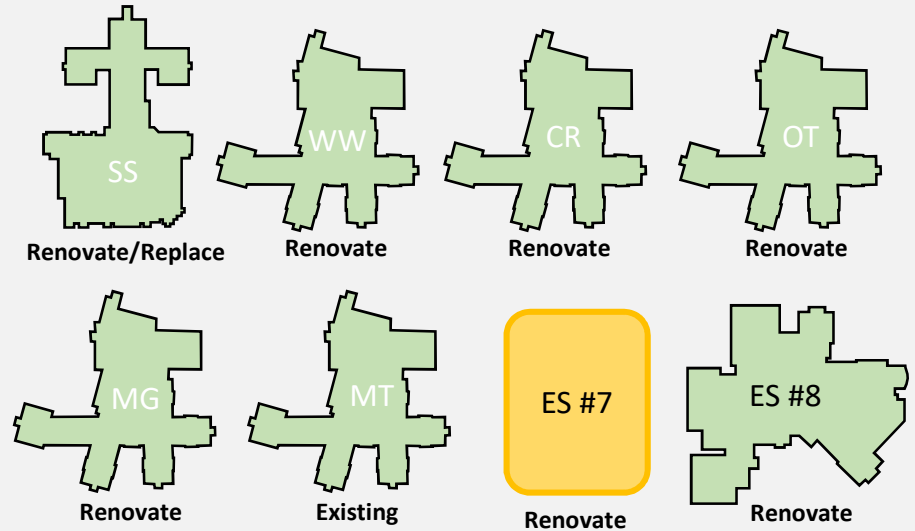
Grades 6-8:

- Capacity/Projected Enrollment: **1,800 / 2,648**
- Capacity Expansion: Construct a new 1,500 capacity, 6-8 middle school.
- Drop current WMS back to a 1,200 student capacity facility
- Renovations: Renovations to create equity with new middle school.

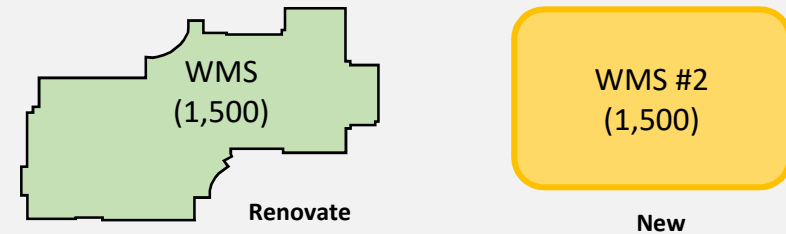
Grades 9-12:

- Capacity/Projected Enrollment: **3,400 / 3,693**
- Capacity Expansion: Construct additions to increase capacity by 1,000 students
- Program Expansions: Construct additions to create space for new and expanded programming offerings in Agri-Science, Performing Arts, and Athletics.

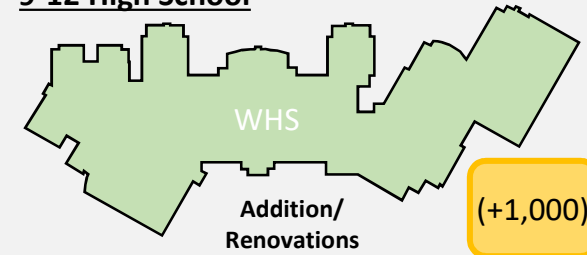
K-5 Elementary Schools



6-8 Middle Schools



9-12 High School



Option 2: PROJECT COST ESTIMATES

PROGRAM

(Construction costs for program changes)

GRADES K - 5

New Shamrock Springs	\$ 55,199,077
Carey Ridge	\$ 0
Oak Trace	\$ 0
Washington Woods	\$ 0
Maple Glen (Community Room)	\$ 2,467,667
Monon Trail (Community Room)	\$ 2,467,667
New Elementary #7	\$ 53,625,000
Elementary #8 (IS Renovation)	\$ 12,623,533
	\$ 126,382,944

GRADES 6 - 8

Middle School Renovation (1,500)	\$ 25,264,126
New Middle School (1,500)	\$ 123,750,000
	\$ 149,014,126

GRADES 9 - 12

Parking Expansion	\$ 6,861,634
Site Athletic Improvements	\$ 19,091,071
Classroom Additions & Renovations	\$ 46,789,042
Performing Arts & Ag-Science A&R	\$ 23,693,700
Athletics Additions & Renovations	\$ 22,499,199
	\$ 118,934,646

LIFE CYCLE

(Construction costs for regular building maintenance over the next 10 years)

\$ 0
\$ 7,362,944
\$ 11,906,806
\$ 9,957,503
\$ 9,526,635
\$ 9,138,367
\$ 0
\$ 13,309,215
\$ 61,201,469

\$ 27,703,064
\$ 0
\$ 27,703,064

Improvements Include:

Building Envelope
Building Systems
Building Interiors
Site Improvements

\$ 21,363,339



Future: **OPTION COST SUMMARY**

OPTION 1

K-4 | 5-6 | 7-8 | 9-12

Summary

Maintain current grade level alignment which requires expansion at the intermediate and middle school levels.

<u>COST SUMMARY</u>		
	Program	Life Cycle
K-4	\$60,134,411	\$47,892,255
5-6	\$99,687,000	\$13,309,215
7-8	\$123,750,000	\$27,703,064
9-12	<u>\$118,934,646</u>	<u>\$21,363,339</u>
TOTAL	\$402,506,057	\$110,267,873

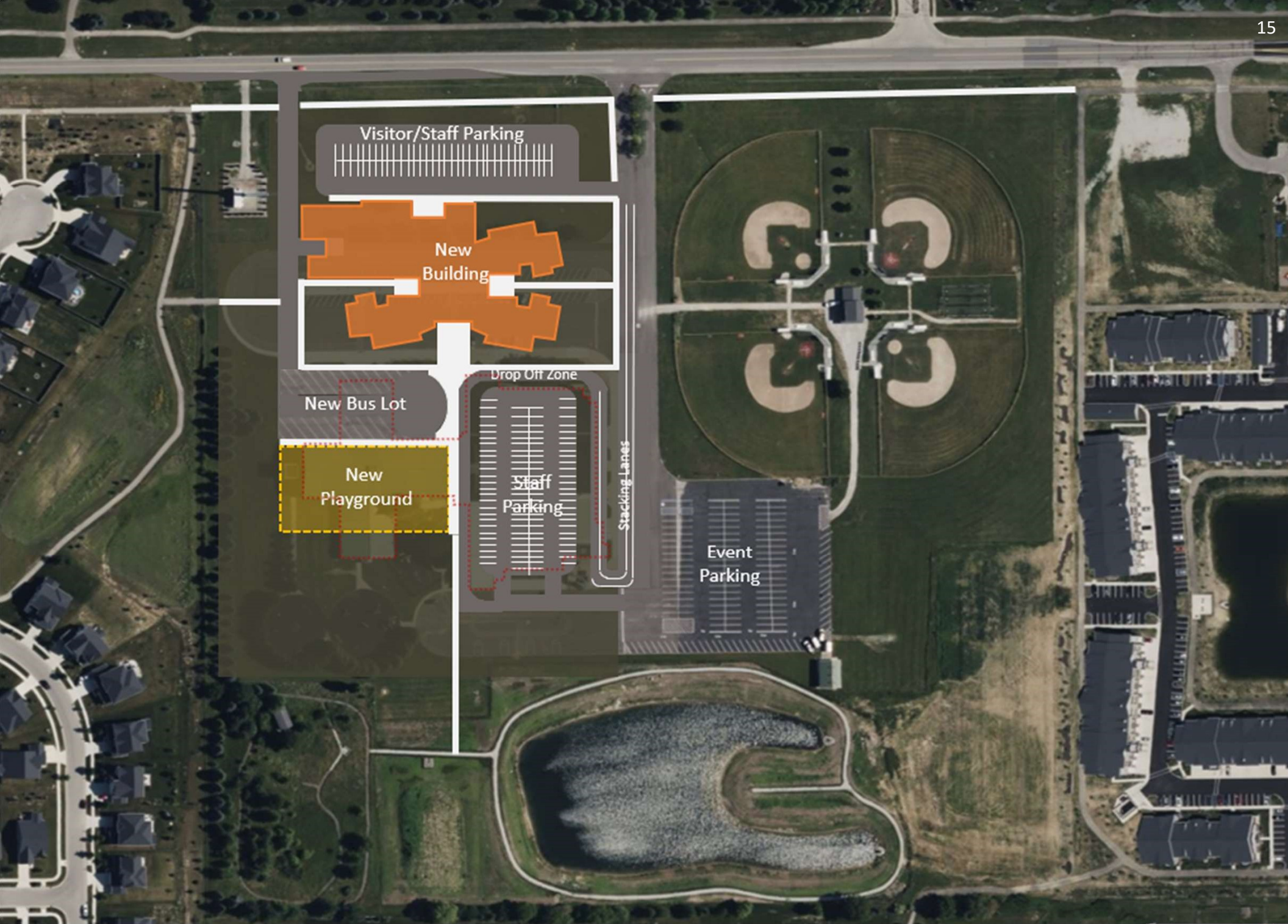
OPTION 2

K-5 | 6-8 | 9-12

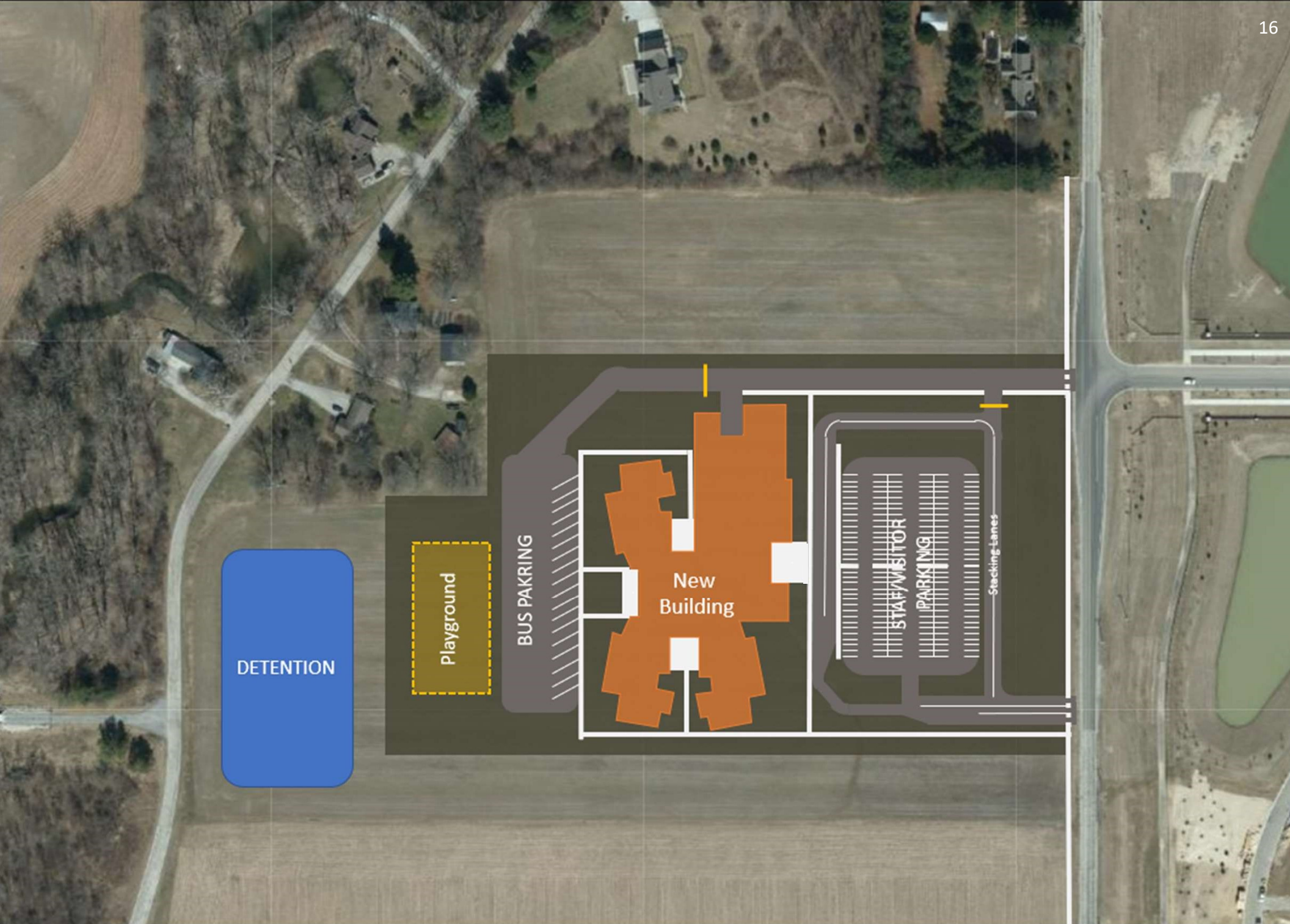
Summary

Re-align grade levels to move 5th grade back to the elementary schools and 6th grade to the middle school. Maintain **4 sections** of each grade level at each elementary. This requires minor renovations at all existing elementary schools and expansion at the middle school level.

<u>COST SUMMARY</u>		
	Program	Life Cycle
K-5	\$126,382,944	\$61,201,469
6-8	\$149,014,126	\$27,703,064
9-12	<u>\$118,934,646</u>	<u>\$21,363,339</u>
TOTAL	\$394,331,716	\$110,267,872

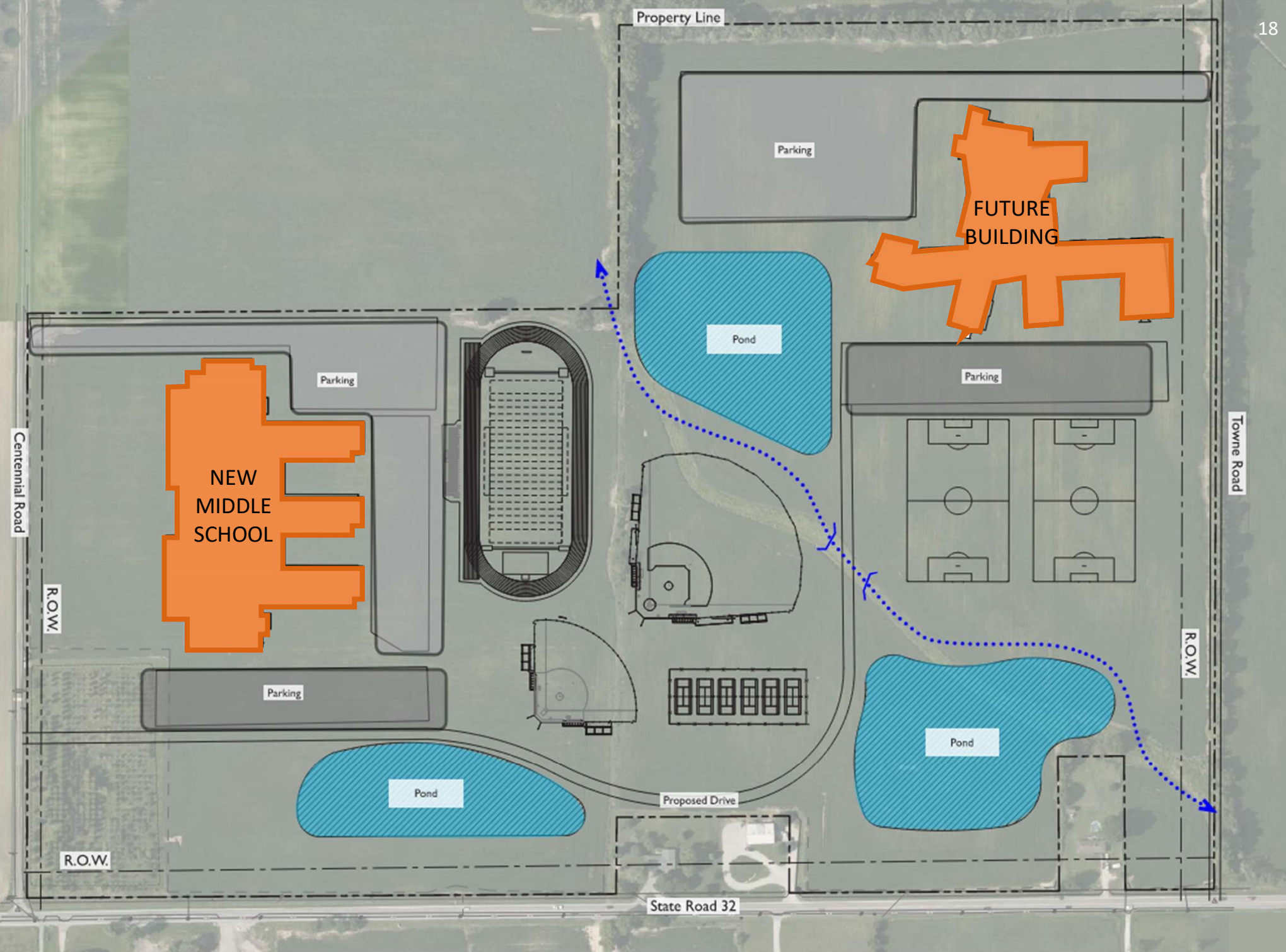


Future: **NEW SHAMROCK SPRINGS ELEMENTARY SCHOOL**



Future: **NEW ELEMENTARY SCHOOL #8**





Site Master Plan Key

- ① Fine Arts Expansion
- ② Classroom Expansion
- ③ Athletics Expansion
- ④ South Locker Room
- ⑤ Future Transitions Program
- ⑥ Expanded Parking Lot
- ⑦ Rework Bus Parking Lot
- ⑧ Turf Baseball/Softball
- ⑨ Turf Practice Field
- ⑩ Potential Future Parking Lot



Future: **HIGH SCHOOL SITE MASTER PLAN**