

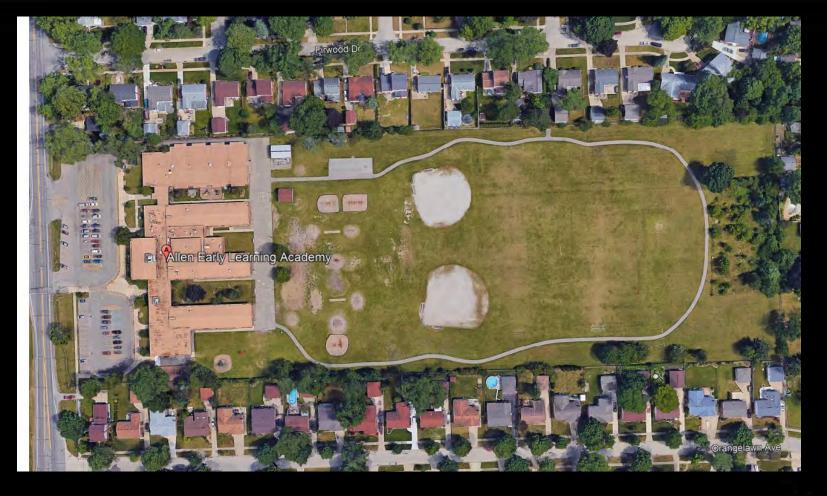
#### **PLYMOUTH-CANTON**

**COMMUNITY SCHOOLS** 

**GLOBALLY FOCUSED. LOCALLY CONNECTED.** 

10 Year Master Planning Building & Site Plans

10-14-19

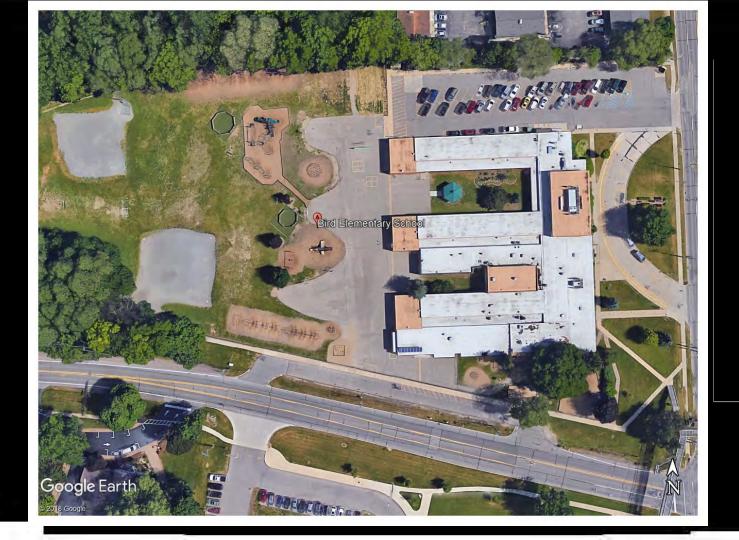






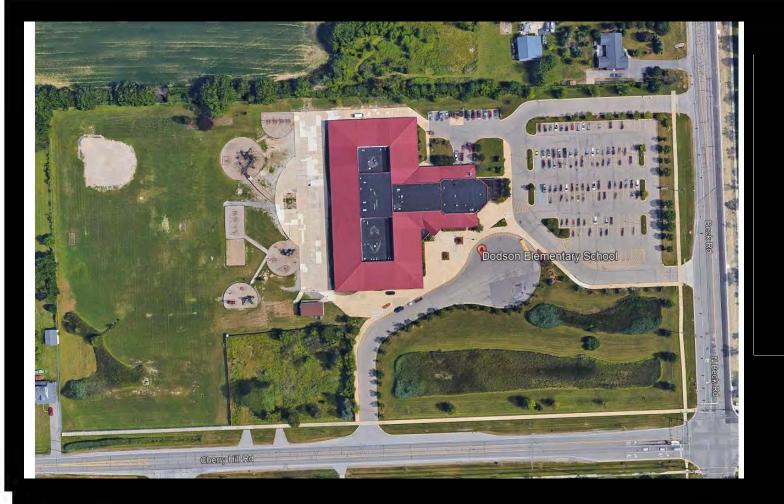






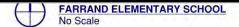






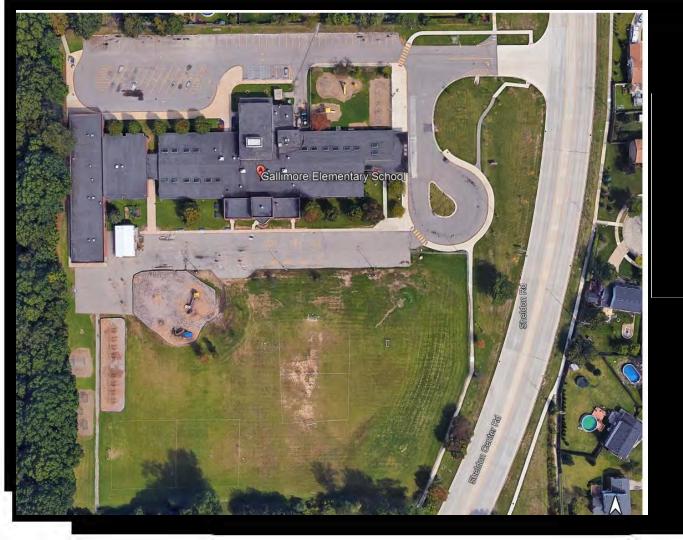






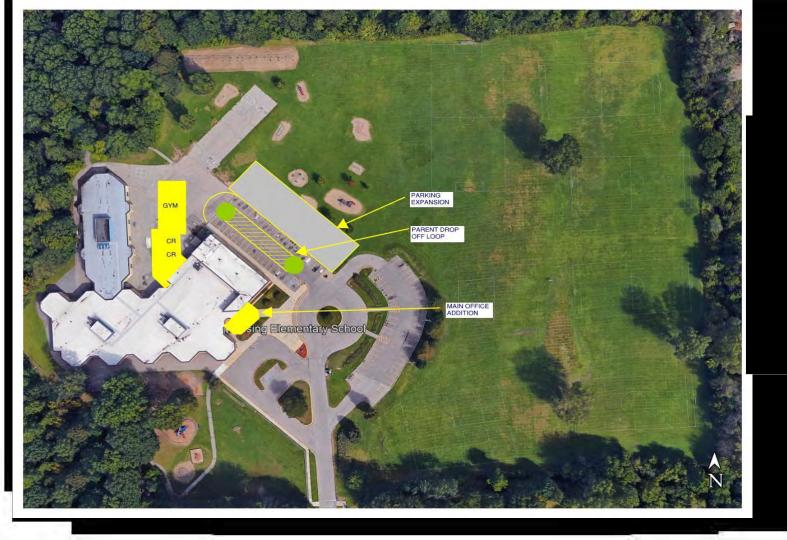






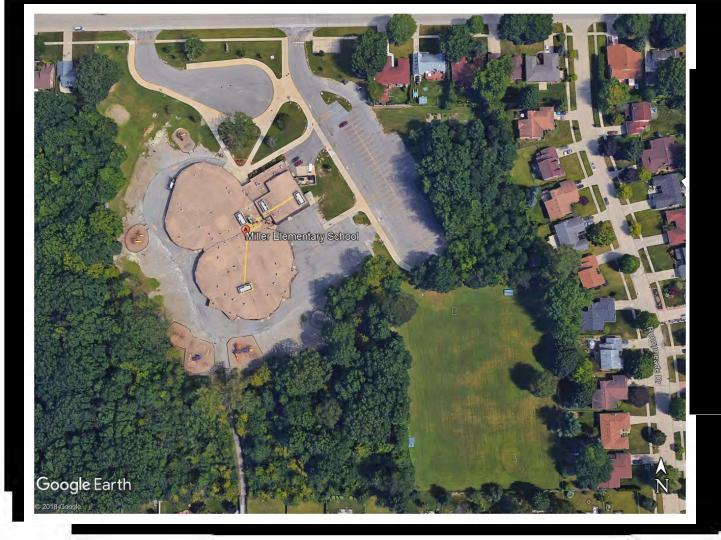


























































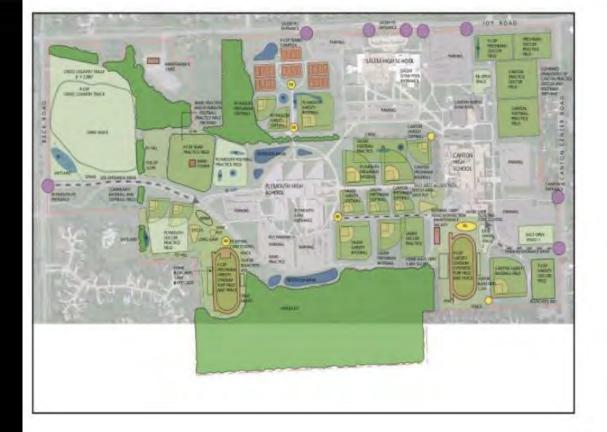
PLYMOUTH HIGH SCHOOL Second Floor Plan No Scale

SALEM HIGH SCHOOL Second Floor Plan

No Scale





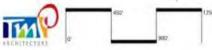


#### SITE UTILIZATION STUDY - EXTERIOR RECREATION/ ATHLETIC AREA

PLYMOUTH CANTON EDUCATIONAL PARK- CANTON, PLYMOUTH & SALEM PLYMOUTH - CANTON COMMUNITY SCHOOLS- OVERALL PLAN

AUGUST 2014

BECKETT & RAEDER, INC.



#### SITE REVIEW - EXTERIOR RECREATION / ATHLETIC. FIELDS: OVERALL PLAN

INSIGATE GELDS

RETERNAL WINCHWAY SYSTEM

RETERNAL WINCHWAY SYSTEM

RETERNAL BURD SYSTEM

REMACES,

MANIFEMENT RECEIPES

TUCKACE BARN

WOOD LOT

COMMANTY BALLIFELDS

BAND FELD

LACKDOSE

ME PRACTICE SOCCER AREA

TONS COMMENT AREA

P. CEP AREAS
TENNES STADRUM
VARSITY STADRUM
VRED-MAIN VARSITY STADRUM
VOCCES STACKUM
HERD-MAIN SOCCER
HAND FIELD

ATHLETIC AREA

CANTON
VARSITY BASEBALL
VARSITY SCREALL
RESPHANN SCREALL
RESPHANN BASEBALL
RESPHANN BASEBALL
REACTION TOOLS AND SEED
REACTION TOOLS AND SEED

PLYMOUTH VARREY BASEBALL VARREY SOFTBALL HIES-BANK BASEBALL HIBS-BANK SOFTBALL HAACTICE SOCCER FIELD RAACTICE SOCCER FIELD

SALEM
VARSITY SCRIBALL
VARSITY BASEBALL
HIES-BASAN SCRIBALL
HIES-B

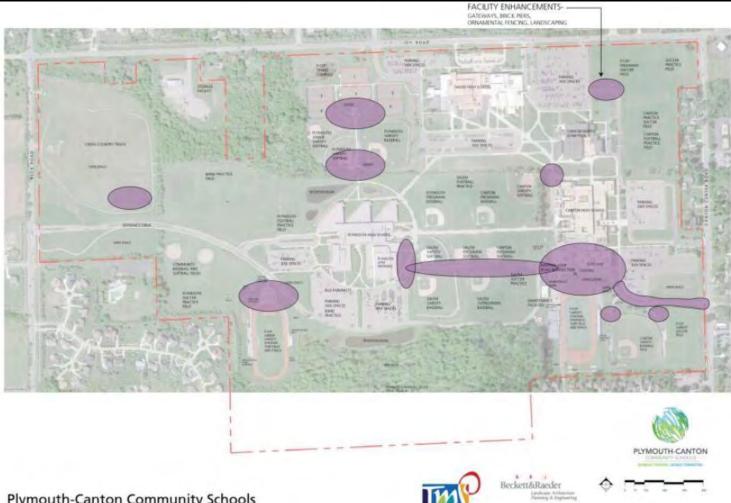
ATHLETIC CAMPUS-PRIMARY CONCERNS

- Lock of available and available athlets. Neith boosd on athlets: programming registerment and neith. Cutterfly there is a significant conflict with the ability to schedule garner and practical activities based on the amount of felds and the constitution of the available fields. At present these are to declared lacroser felds.
- Accessible restraoms and diretong fountains some sensity fields as well as freshman facilities and practice fields are tacking throughout the atthesis compani. The last of enablate densing fountains and restraom facilities hampen, adequate programming time.
- Current athletic schedules have resulted in the over use of all process and fredition fundame. In addition to recovering additional field areas, but management and field improvement programs should be implemented soften these areas.
- 4. The athletic compan contains over 26 Sealmes for three riign schools. It is a test for parents and spectation to access a specific facility. A resylvating system with appropriate signage, maps and it individuals should be irrejectionated.
- Physical and estail improvements to the variety stadium and estated support tablets should be made. The samply stadium is the primary venue for the attricts; compus and as such should reflect that status.











ARCHITECTURE



#### DRAFT

TEN YEAR PLA		VISIONING													SSESSMENT	BUILDING A				
BUILDING TOTA	VISIONING TOTAL	Site Athletics Opgrades	Playground Equipment	Curb Appeal	Secure Entry Pre-School	New Maintenance/ Operation Facility at Joy & Beck Rd.	Classroom Furniture	Interior Program Remodeling	Program Addition (Including site improvements)	ASSESSMENT TOTAL	Bus Purchases	Technology	Electrical Systems	HVAC Systems	Plumbing Systems	Interior Finishes	Building Envelope	Site	Building	Va.
\$4,809	\$3,079,222	so	\$289,238	\$96,413	\$0	\$0	\$535,860	\$858,071	\$1,299,641	\$1,730,307	\$0	\$826,556	\$372.795	\$0	so	\$218,535	\$32,138	\$280,284	Bentley Elementary	
\$7,855	\$4,708,593	80	2549 538	396.413	20	50	\$535.860	\$597,758	\$3,169,326	\$3,146,562	50	3826,556	\$417.360	\$514,200	\$44,993	\$661,968	3601.293	\$86,193	Bird Elementary	
\$7,582	\$3,998,354	20	\$289,238	\$96,413	20	50	\$535,860	\$813,079	\$2,263,766	\$3,684,512	S0	\$826,556	\$385,650	\$1,375,485	\$44,993	3224,705	\$374,723	\$452,400	Dodson Elementary	
\$9,482	\$5,882,171	20	\$289,238	396,413	02	30	\$494,640	\$652,391	\$4,349,489	\$3,600,662	80	3826,556	\$347,085	80	so	\$360,583	\$1,024,302	\$1,042,136	Sriksson Elementary	Ì
\$8,794	\$5,229,779	SO.	\$289,238	\$96,413	\$0	50	\$494,640	\$758,445	\$3,591,044	\$3,564,832	so	\$826,556	\$334,230	\$173,543	\$0	\$2,051,337	\$73,788	\$105,379	Farrand Elementary	
\$9,514	35,999,193	SO.	\$289,238	396.413	20	-\$0	\$515,250	8748,804	\$4,349,489	\$3,515,292	so	\$826,556	\$347,085	50	\$0	\$360,583	\$1,003,252	\$977,816	Pield Elementary	
\$8,244	\$4,612,013	\$0	\$289,238	596,413	\$0	\$0	\$453,420	\$1,529,745	\$2,243,198	\$3,632,867	so	\$826,556	\$289,238	\$449,925	\$44,993	\$1,652,832	\$56,562	\$312,762	Sallimore Elementary	
\$7,144	\$3,460,889	\$0.	\$289,238	596.413	sa.	\$0	8474,030	\$707,025	\$1,894,184	\$3,683,499	so	\$826,556	\$340,658	\$231,390	\$50,135	\$940,134.	\$1,019,723	\$274,904	Hoben Elementary	
\$9,599	\$5,925,878	so	\$289,238	\$96,413	\$0	\$0	\$494,640	\$703,811	\$4,341,776	\$3,673,810	so	\$826,556	\$347,085	\$0	\$8,356	3447,868	\$1,242,050	\$801,895	Hulsing Elementary	
58,33	\$5,135,812	\$0	\$289.238	\$96,413	\$0.	\$0	\$432,810	\$597,758	\$3,719,594	\$3,202,276	\$0	\$826,556	\$253.886	\$570,762	\$0.	\$1,366,969	\$32,138	\$151,965	shister Elementary	ı
\$8,95	\$6,243,438	\$0	\$289,238	\$96,413	so.	\$0	\$515,250	\$543,124	84,799,414	\$2,713,927	so	\$826,556	\$305,306	\$482,063	so	\$164,415	8821,113	\$114,474	Miller Elementary	
\$8,15	\$4,541,268	80	5289,238	596,413	\$0	\$0	\$432,810	3533,483	\$3,189,326	\$3,614,625	50	\$826,556	\$244,245	3514,200	\$44,993	\$1,141,203	\$530,269	\$313,161	Smith Elementary	
\$5,54	\$3,100,391	so	\$289,238	\$96,413	\$0	30	\$515,250	\$803,438	\$1,396,053	\$2,449,603	\$0	3826,556	\$372,795	so	so	\$409,303	\$32,138	\$808,811	Tonda Elementary	
\$5,19	\$2,315,161	30	5289.238	\$95.413	\$0	\$0	\$618,300	\$829,148	\$482,064	\$2,877,211	so	\$826,556	\$462,780	\$752,018	\$44.993	\$119,230	\$361.547	\$310,088	Workman Elementary	
\$5,89	\$1,855,223	\$0	SO.	\$96,413	so	50	\$961,800	\$797,010	\$0	\$4,038,146	50	\$933,599	\$822,720	\$803,438	\$96,413	\$478,849	\$388,864	\$514,264	Discovery Middle School	
\$8,824	\$3,659,076	SO	so	596,413	so	\$0	\$687,000	\$690,314	\$2,185,350	\$5,165,234	so	\$933,599	\$629,895	\$867,713	\$8,356	\$1,523,703	\$51.420	\$1,150,548	East Middle School	l
\$1,12	\$25,710	so	\$0	so.	\$0	80	\$0	\$25,710	\$0	\$1,097,376	so	\$1,033,599	\$0	so	so	\$0	\$0	\$63,777	iberty Middle School	ļ
\$12,38	\$6,078,074	\$1,878,830	\$0	\$96.413	\$0	80	\$778,600	\$1,128,026	\$2,198,205	\$6,305,844	so	\$933,599	\$584,903	\$363,154	396,413	\$2,084,437	\$1,464,827	\$778,512	Pioneer Middle School	ļ
\$8,76	\$2,134,803	\$0	\$0	\$96,413	\$0	\$0	\$778,600	\$1,259,790	\$0	\$6,627,011	\$0	\$933,599	\$719,880	\$867,713	\$96,413	\$2,083,796	\$1,469,568	3456,044	West Middle School	
\$25,36	\$10,705,058	\$0	šo	598,412	20	80	32,061,000	\$1,510,463	\$7,037,183	\$14,662,536	50	\$1,947.449	\$2,410,313	so	\$411,360	\$5,253,003	\$1,213,062	\$3,427,349	Canton High School	
\$33,833	\$20,432,316	\$0	\$0	\$96,413	20	50	\$1,545,750	\$825,291	\$17,964,863	\$13,401,640	50	\$1,947,449	\$2,068,938	\$1,863,975	\$15,426	\$774,514	\$3,605,828	\$3,105,511	Plymouth High School	
\$27,712	\$10,894,956	\$0	so	898.413	20	-30	\$2,061,000	\$3,306,306	\$5,431,238	\$16,817,876	80	\$1,947,449	\$2,056,800	\$1,478,325	\$411,350	\$5,078,368	82,442,450	\$3,403,123	Salem High School	Į
\$19,507	\$10,507,463	\$19,507,463	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	so	\$0	so	\$0	P-CEP Athletics	
\$9,993	\$5,871,076	80	90	396,413.	20	80	5412,200	\$1,425,620	53,935,844	\$4,122,515	20	\$1,947,449	\$289,238	\$482,063	20	5743,019	\$596,472	\$64,275	Starkweather Academy	۱
\$1,630	\$369,581	So	\$0	\$64,275	20	\$0	\$0	\$305,306	\$0	\$1,260,913	\$0	\$440,699	\$131,764	\$0	\$0.	\$322,018	\$217,507	\$148,925	Administration Building	
\$1,975	\$1,979,670	20		\$0	\$0	\$1,979,670	50	\$0.	\$0	50	so	\$0	\$0	_ 50	80	\$0	\$0	\$0	Vew Maintenance/Operation Facility at Joy & Beck Rd.	ı
\$957	\$0	so	\$0	so	so	30	\$0	\$0	\$0	\$957,625	\$0	\$440,699	\$96,413	\$0	so	\$96,413	so	\$324,100	Fransportation & Curriculum	
\$4,340	\$1,880,687	\$0	\$0	\$96.413	20		\$0	\$1,784,274	\$0	\$2,459,314	\$0	\$826,556	5282,810	\$482,063	\$128,550	3514,200	\$167,115	\$58,021	Allen ELC	
\$1,128	\$96,413	so	\$0	\$96,413	\$0	\$0	so	\$0	\$0	\$1,031,651	\$0	\$10,000	20	\$321,375	\$44,993	\$179,970	\$32,138	\$443,176	Tanger Center	
\$245	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	50	\$245,087	\$0	50	\$3.857	\$0	so	so	\$173,793	\$67,439	Friiesdeil	۱
\$16,580	50	so	\$0	\$0	\$0	\$0	\$0	\$0	so	\$16,580,733	\$16,580,733	\$0	\$0	80	\$0	so	so	\$0	Bus Purchases	J

Parking Lot Addition, Storm Water Management and Relocation of Playground Equipment

Parking Lot Addition, Storm Water Management and Relocation of Playground Equipment

Parking Lot Addition, Storm Water Management and Relocation of Playground Equipment

Propose Track and Football Field Location, Cost in Pioneer MS for Budget

Includes Track and Football Field Budget Cost (\$1.9M) Propose Track and Football Field Location, Cost in Pineer MS for Budget

Pineer MS for Budget

Includes Activity Center \$3M

Includes Pool \$13M and Band Room \$1.5M

Significant Reduction of Program Work and Visioning Significant Reduction of Program Work and Visioning

Significant Reduction of Program Work and Visioning

275,000,000

Target Bond Budget



#### **PLYMOUTH-CANTON**

**COMMUNITY SCHOOLS** 

**GLOBALLY FOCUSED. LOCALLY CONNECTED.** 

**Elementary School** 

**Enrollment Projections** 

10-14-19

	- 10		1						3		. 5				
		Bentley			Bird			Dodson			Eri	ksson		arrand	
	Existing	Proposed	Comment	Existing	Proposed	Comment	Existing	Proposed	Comment	Existing	Proposed	Comment	Existing	Proposed	
eaching Stations										1111111111	7				
otal CR-Existing(Designed)	22	24		20	22		22	26		22	24		22	24	
Less Classrooms with Special Use	-	- 12		12			72	- 10		-	14		70	- 16	
General Ed	17:	19		18	20	-	18	22		17	19		17	19	
Auxiliary Spaces				_		1							+		
Gym/Café	4			Existing						Existing			Existing		
Gym	Existing	Existing			New	İ	Existing	Existing	1		New			New	
			V =						1					132.0	
Café	Existing	Existing	Presently Used as a General	_	Remodel		Existing in	Existing	-		Remodel			Remodel	
			Ed, reverts back to				Collab	Move Art to	5	Existing not	Move Art to		None (On		
Art	Existing	Existing	dedicated art	Existing	Existing		Room	CR		in CR	CR		a Cart)	New	On a Cart
Music	Existing	Existing		Existing	New		Existing	Existing		Existing	New	Located behind Gym	None	New	Existing In Production Roc
							-				1				
Science															
F	m 9/24/25	Profession .		W. A. W. S.	- Charles		Postary.	P. C. St.			New Sec.		entrator.	Parinthese	
Faculty	Existing	Existing	Presently Used as a CI	Existing	Existing		Existing	Existing	1		Entr		Existing	Existing	
	Used as CI	Used as CI	Classroom, would revert							Reading					
Planning	CR	CR	back							Recovery			Music		4
Resource	1		/ -					-	V-						
Media Center	Existing	Existing		Existing	Existing		Existing	Existing		Existing	Existing		Existing	Existing	
Media Center	Used As	Calsung		LAISIIII	Labury		Laisung	Lasing		Lxisung	Laisting		Caisung.	LAISTING	
	Resource						Used as								
Computer Lab	Room	Existing					Art	Revert Back	¢	77			Existing		
and the second of the second o															
Proposed New Spaces General Ed	_	2			2			4	-		2		-	2	
Gym		-			1				+		1		+	1	
Music	_				1							14-32-2		S 215	
Art												New Location		1.	
Preschool														1	
0															
Capacity	17	10		- 14	96			40		10000	1 1 1 X		17	- 12	
Classroom Count		19		18	20		18	22	-	17	19			19	
Kindergarten	2	2		2	2		2	2		2	2		2	2	
Move Art to CR			11 /	/						- 16	-1				
Total	19	21		20	22		20	24		19	20		19	21	
Students/Rm	29	29		29	29		29	29		29	29		29	29	
Utilization Factor	85%	85%		85%	85%		85%	85%		85%	85%		85%	85%	
Enrollment Capacity	468	518		493	542		493	592		468	493		468	518	
	- 1	Charles !		170							7			9	
		_				*	_		-		_			_	
E 11			P. Comments			D.			1	- 1	7				
Enrollment (8/20/2019)	-		3020	14.5		kun.	4.5		1,444			22220	100		1000
K-5	513		110%	494		100%	506		103%	489		104%	433		92%
Special Ed	7			0			12			0	P		21		
Total	520			494			518			489			454		
Under/(Over) Capacity	(45)			(1)			(13)			(21)	]	)	35		
Young Fives	20										1		19		
PMC (Future Enrolment 2023-2024)	-1				1				1				1		
THE RESIDENCE OF THE PERSON NAMED IN COLUMN 1	500	ren		494	499		244	FFF	1	489	14000		454	444	
Method 1 Projection	520	553				ļ	518	555	+	254	462		1		-
Method 2 Projection	520	476		494	488		518	436		489	444	Section 1	454	396	
Method 3 Projection (Average)	520	514	99%	494	494	91%	518	492	83%	489	455	92%	454	421	81%

McCarthy Smith, Inc.

			6		- 6	7			1		9		10				
	III II.		Field		Galli	more		Hol	pen		Hulsi	ng	Isbister				
	Existing	Proposed	Comment	Existing	Proposed	Comment	Existing	Proposed	Comment	Existing	Proposed	Comment	Existing	Proposed	Comment		
eaching Stations																	
otal CR-Existing(Designed) Less Classrooms with Special Use	22	24		20	20		22	24		22	24		20	22	+		
General Ed	17	19		12	12		16	18		20	22		18	20			
		- 100						- / -									
uxiliary Spaces				1	2 =								Page 11				
Gym/Café	Existing			Existing	Existing					Existing			Existing				
Gym		New			New		Existing	Existing			New			New			
Café	11 1	Remodel					Existing	Existing			Remodel			Remodel			
	4.7	Move Art to				100	1 Used as	Move Art to	Presently Used as a General Ed, reverts	Existing not	Move Art to		Existing not				
Art	Existing	CR	)	1 In CR	Existing		CR	Classroom	back to dedicated art	in CR	CR CR		in CR	New	FMR Classroom		
							-			-			10.50	-			
Music	Existing	Existing	Located behind Gym	1 In CR	New	Located behind Gym	Existing	Existing		Existing	Existing	Located behind Gym	Existing	New	Planning		
No.														-			
Science											N		Existing		FMR Classroom		
Faculty		New Sec. Entr.	7		Existing		Existing	Existing			New Sec. Entr.			Existing			
. downy					-noung		Sectionity	-Andring			MAT JAT 1			- Annum (y			
	Reading			Reading		. 10											
Planning	Recovery			Recovery			Marchan		8								
Resource	41		/			10	Used as Art		Room, would revert back to Resource	A							
Neaddice		2.000					0.79.74	1.75.4	Dack to Meadure		170.00		-				
Media Center	Existing	Existing		Existing	Existing		Existing	Existing		Existing	Existing						
					100					20. 1. 1. 1.							
Computer Lab							Existing	Existing		1 Used CR	1 Used CR						
2-17 / CHI 1 - 1 - 1			-														
roposed New Spaces	44																
General Ed Gym	-	2		4	0			2			2			2	+		
Music					1									1			
Art	= 3 ( = 3 (											New Location		1			
Preschool	- c ( )						2										
apacity				- 1													
Classroom Count	17	19		12	12		16	18	-	20	22		18	20	ł		
Kindergarten	4	4		0	0		4	4		20	2		2	20			
	4	_		0	0		4	- 4		- 2			- 2	- 2			
Move Art to CR Total	21	-1 22	ć -	12	12		20.	22	-	22	-1 23		20	22			
			-														
Students/Rm	29	29		29	29		29	29	-	29	29		29	29			
Utilization Factor	85%	85%	k =	85%	85%		85%	85%	-	85%	85%		85%	85%	-		
nrollment Capacity	518	542	/	296	296		493	542		542	567	-	493	542			
			/														
				-										_			
Inrollment (8/20/2019)						100			E								
K-5	524		101%	346	2-31	117%	542		110%	499		92%	482		98%		
Special Ed	0						0			0			Ō				
otal	524			346			542	10-		499		Y	482				
nder/(Over) Capacity	(6)		1	(50)			(49)			43			11				
oung Fives		i i	>				44			22			22				
MC (Future Enrolment 2023-2024)																	
Method 1 Projection	524	457		346	N/A		542	545		499	511		482	485			
Method 2 Projection	524	508		346	N/A		542	586		499	417		482	451			
Method 3 Projection (Average)	524	482	89%	346	336	114%	542	566	104%	499	463	82%	482	468	86%		

McCarthy Smith, Inc.

			11	12					13			14	Total			
	Miller			Smith			Tonda				W	orkman				
	Existing	Proposed	Comment	Existing	Proposed	Comment	Existing	Proposed	Comment	Existing	Proposed	Comment	Existing	Proposed	Comment	
eaching Stations														-		
ital CR-Existing(Designed)	21	23		18	19		22	24		28	28		303	32	3	
ess Classrooms with Special Use General Ed	18	20		16	17		16	18		25	25		245	270		
John Lu	10	2.0		10			10	10		LU	2.0	+	240	210		
ixiliary Spaces				= (I) = = 1												
Gym/Café	Existing			Existing					V							
3ym		New			New		Existing	Existing		Existing	Existing		- 1			
Café		Remodel			Remodel		Existing	Existing		Existing	Existing		0	AL .		
	The same												- 1			
44	1 Used as CR	Remodel	Convert to CR	Existing	New	FMR Classroom	Existing	Foliation		1.0	Existing	Used as Classroom, Revert back to Art	6			
Art	CK	Remodel	Convent to CR	Existing	ivew		Existing	Existing		-	Existing	Dack to Art				
Music	Existing	Existing	Share with Art	Existing	New	In Small Space adjacent to Media	Existing	Existing		Existing	Existing					
WUSIC	Existing	Existing	Share with Art	existing	IVEW	ivieula	Existing	Existing		Existing	Existing			-		
Science		1														
	6000	New Sec.		Taxar.	War Street		Some	Cult		L Visit	4450					
Faculty	Existing	Entr.		Existing	Existing		Existing	Existing	Presently Used as a CI	Existing	Existing				+	
	1111	1000		11 [ [ ]			Used as C	Used as CI	Classroom, would revert							
Planning				no			CR	CR	back							
		-								1		1	- '		11	
Resource	_						-			-					-	
Media Center	Existing	Existing		Existing	Existing		Existing	Existing		Existing	Existing					
							Used As									
	1000	1 91		Kids Time Steam			Resource	este.		Used as	Revert Back					
Computer Lab	_	_		Steam		-	Room	Existing		Art	Back					
roposed New Spaces																
General Ed		2			1			2			0		0	25		
Gym		1			1								0	9		
Music Art	-	-		-	1		_			+		1	0	3		
Preschool													0	0		
apacity																
Classroom Count	18	20		16	17		16	18		25	25		245	270		
Kindergarten	3	3		2	2		4	4		3	3		34	34		
Move Art to CR										-1	-1		-1	-4		
Total	21	23		18	19		20	22		27	27	14	278	300		
Students/Rm	29	29		29	29		29	29		29	29		406	406		
Utilization Factor	85%	85%		85%	85%		85%	85%		85%	85%		85%	85%		
nrollment Capacity	518	567		444	468		493	542		666	666		6853	7395		
							_			•						
nrollment (8/20/2019)																
K-5	514		99%	422		95%	534		108%	758		114%	7056	103.0%	K-5	
Special Ed	0			0		A. A. A.	9		100/4	0		115.0	49	195,078	Special Ed	
otal	514			422			543	-		758		1	7105		Total	
	514											1			Transition of the same of the	
nder/(Over) Capacity	4			22			(41)			(92)			(203)		Under/(Over) Capacity	
oung Fives				-						1			127		Young Fives	
MC (Future Enrolment 2023-2024)																
ethod 1 Projection	514	N/A		422	386		543	582		758	685		6986	94.5%	Under/(Over) Capacity	
ethod 2 Projection	514	N/A		422	404		543	577		758	762		6767	91.5%	Under/(Over) Capacity	
ethod 3 Projection (Average)	514	486	86%	422	395	84%	543	582	107%	758	723	109%	6877	93.0%	Under/(Over) Capacity	

