



LOUDOUN COUNTY PUBLIC SCHOOLS

DIVISION OF PLANNING SERVICES

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August 11, 2021

Mr. Ronald Dunbar
County of Loudoun
Department of Building and Development
1 Harrison Street, SE
Leesburg, Virginia 20175

RE: SBPR-2021-0009, Arnold Property

Dear Mr. Dunbar:

School Board staff has reviewed the referenced application for Arnold Property. Based on 2019 Loudoun County Public Schools (LCPS) student generation factors for the Dulles South planning district, the proposed four (4) single-family detached residential units will generate a total of four (4) school-age children upon build-out. The attached assessment outlines the operational and capital impact of the project on LCPS.

Safe walking paths remain an important concern for the School Board, staff, and parents of children who attend our schools. The Preliminary Subdivision Record Plat (sheet 2 of 3), dated June 9, 2021, illustrates ingress/egress and trail easements throughout the development; this is noted and appreciated.

Thank you for the opportunity to comment on the Arnold Property application. The Loudoun County School Board is concerned about all land development applications. Capital facility expenditures and operational costs are significantly impacted by each approved residential project, and both can be anticipated to increase with each additional school-age child that resides in Loudoun County.

Should you require further information, please contact me at your earliest convenience.

Sincerely,

Beverly I. Tate, Director

Attachment

c: Scott Ziegler, Superintendent
Kevin Lewis, Chief Operations Officer

Election District: Dulles



Loudoun County Public Schools

Division of Planning Services

Project Assessment

Project Name: SBPR 2021-0009, Arnold Property

Loudoun County Public Schools Dulles South Planning District Student Generation Factors, 2019		Housing Units	Elementary School Student Generation	Middle School Student Generation	High School Student Generation	Student Generation Total
			0.44	0.24	0.32	
Single Family Detached (SFD)	0.91	4	2	1	1	4
Single Family Attached (SFA)	0.66		0	0	0	0
Multifamily (MF)	0.34		0	0	0	0
Total Students			2	1	1	4
Capital Costs			Elementary School Cost (FY 2022 CIP)	Middle School Cost (FY 2022 CIP)	High School Cost (FY 2022 CIP)	Total Capital Expenditure
School Cost			\$54,880,000	\$90,775,000	\$155,605,000	
Capacity			960	1445	2100	
Per Pupil Cost			\$57,167	\$62,820	\$74,098	
Project's Capital Costs			\$91,558	\$54,880	\$86,309	\$232,747
Annual Operational Costs			FY 2022 Adopted Per Pupil Cost	Student Generation Total	Annual Operational Costs	
			\$16,709	4	\$60,821	
School Facility Information			Elementary School* (Grades K-5)	Middle School (Grades 6-8)	High School (Grades 9-12)	
2021-22 School Attendance Zone			Cardinal Ridge	J. Michael Lunsford	Freedom**	
September 30, 2020 Student Enrollment			858	1480	2123	
2020-21 Base Building Capacity			960	1454	2041	

* To relieve current and projected student enrollment in the Dulles South area, additional elementary schools are planned and/or under construction.

** Modular classrooms are being used to provide a temporary increase in building capacity.



Loudoun County Public Schools

Division of Planning Services

Project Assessment

Project Name: ZMAP 2019-0009 & ZMOD 2019-0024 Arnold Property (Revised 8/17/2020)

Loudoun County Public Schools Dulles South Planning District Student Generation Factors, 2019		Housing Units	Elementary School Student Generation	Middle School Student Generation	High School Student Generation	Student Generation Total
			0.44	0.24	0.32	
Single Family Detached (SFD)	0.91	4	2	1	1	4
Single Family Attached (SFA)	0.66		0	0	0	0
Multifamily (MF)	0.34		0	0	0	0
Total Students			2	1	1	4
Capital Costs			Elementary School Cost (FY 2021 CIP)	Middle School Cost (FY 2021 CIP)	High School Cost (FY 2021 CIP)	Total Capital Expenditure
School Cost			\$54,270,000	\$88,770,000	\$147,900,000	
Capacity			960	1445	2100	
Per Pupil Cost			\$56,531	\$61,433	\$70,429	
Project's Capital Costs			\$90,540	\$53,667	\$82,035	\$226,243
Annual Operational Costs			FY 2021 Adopted Per Pupil Cost	Student Generation Total	Annual Operational Costs	
			\$15,214	4	\$55,379	
School Facility Information*			Elementary School (Grades K-5)	Middle School (Grades 6-8)	High School (Grades 9-12)	
2020-21 School Attendance Zone			Cardinal Ridge	J. Michael Lunsford	Freedom**	
September 30, 2019 Student Enrollment			861	1596	2118	
2019-20 Base Building Capacity			960	1454	2041	

* To relieve current and projected student enrollment in the Dulles South area, additional elementary and secondary schools are planned and/or under construction.

*** Modular classrooms are being used to provide a temporary increase in building capacity.

ELEMENTARY & SECONDARY SCHOOL SUMMARY: DULLES SOUTH

General Planning District Description

North of Prince William County, East of Town of Middleburg, South of Route 50 (John Mosby Highway), West of Fairfax County

FY 2021 - FY 2026 CIP PLANNING PERIOD

ELEMENTARY SCHOOLS	2019-20	30-Sep-19	2020-21			2021-22			2022-23			2023-24			2024-25			2025-26			
	BASE	ACTUAL	PROJECTION			PROJECTION			PROJECTION			PROJECTION			PROJECTION			PROJECTION			
	CAPACITY	ENROLLMENT	ENROLL	SPACE	UTILIZE	ENROLL	SPACE	UTILIZE	ENROLL	SPACE	UTILIZE	ENROLL	SPACE	UTILIZE	ENROLL	SPACE	UTILIZE	ENROLL	SPACE	UTILIZE	
ALDIE ES	138	120	130	8	94%	137	1	99%	134	4	97%	136	2	99%	140	(2)	101%	133	5	96%	
ARCOLA ES	960	995	1015	(55)	106%	1006	(46)	105%	1025	(65)	107%	1052	(92)	110%	1104	(144)	115%	1138	(178)	119%	
BUFFALO TRAIL ES	983	1159	1214	(231)	123%	1263	(280)	128%	1336	(353)	136%	1431	(448)	146%	1434	(451)	146%	1446	(463)	147%	
CARDINAL RIDGE ES	960	861	872	88	91%	870	90	91%	910	50	95%	926	34	96%	957	3	100%	996	(36)	104%	
GOSHEN POST ES	960	1222	1367	(407)	142%	1491	(531)	155%	1603	(643)	167%	1732	(772)	180%	1750	(790)	182%	1761	(801)	183%	
HUTCHISON FARM ES ^A	812	787	785	27	97%	805	76	91%	806	75	91%	841	40	95%	885	(4)	100%	915	(34)	104%	
LIBERTY ES	960	1056	1007	(47)	105%	1002	(42)	104%	1003	(43)	104%	1030	(70)	107%	1060	(100)	110%	1102	(142)	115%	
LITTLE RIVER ES	812	771	768	44	95%	766	46	94%	799	13	98%	831	(19)	102%	885	(73)	109%	915	(103)	113%	
PINEBROOK ES	960	887	890	70	93%	881	79	92%	883	77	92%	918	42	96%	936	24	98%	941	19	98%	
ES-29 ^B						TBD	960		TBD	960		TBD	960		TBD	960		TBD	960		
ES-32 ^C																				TBD	960
	7545	7858	8048	(503)		8221	353		8499	75		8897	(323)		9151	(577)		9347	187		

SOME ELEMENTARY SCHOOL STUDENTS RESIDING IN THE DULLES SOUTH PLANNING DISTRICT ARE CURRENTLY ATTENDING ELEMENTARY SCHOOL IN THE DULLES NORTH PLANNING DISTRICT.

- A - A THREE (3) CLASSROOM ADDITION IS PLANNED AT HUTCHISON FARM ES, TO BE COMPLETE BY THE START OF THE 2021-22 SCHOOL YEAR; ANTICIPATED CAPACITY FOR HUTCHISON FARM ES IN FALL 2021 IS 881.
 B - THE OPENING OF A NEW ELEMENTARY SCHOOL (ES-29) IS PLANNED FOR FALL 2021 (2021-22 SCHOOL YEAR) WITH AN ANTICIPATED BASE CAPACITY OF 960. ES-29 WILL BE CONSTRUCTED ADJACENT TO LIGHTRIDGE HS (HS-C - THE OPENING OF A NEW ELEMENTARY SCHOOL (ES-32) IS PLANNED FOR FALL 2025 (2025-26 SCHOOL YEAR) WITH AN ANTICIPATED BASE CAPACITY OF 960. A SITE MUST BE ACQUIRED FOR THIS SCHOOL.

TBD - TO BE DETERMINED, FOLLOWING THE ADOPTION OF AN ATTENDANCE ZONE FOR THE SCHOOL

FY 2021 - FY 2026 CIP PLANNING PERIOD

MIDDLE SCHOOLS	2019-20	30-Sep-19	2020-21			2021-22			2022-23			2023-24			2024-25			2025-26		
	BASE	ACTUAL	PROJECTION			PROJECTION			PROJECTION			PROJECTION			PROJECTION			PROJECTION		
	CAPACITY	ENROLLMENT	ENROLL	SPACE	UTILIZE	ENROLL	SPACE	UTILIZE	ENROLL	SPACE	UTILIZE	ENROLL	SPACE	UTILIZE	ENROLL	SPACE	UTILIZE	ENROLL	SPACE	UTILIZE
J MICHAEL LUNSFORD MS	1454	1596	1555	(101)	107%	1433	21	99%	1339	115	92%	1236	218	85%	1168	286	80%	1158	296	80%
MERCER MS ^A (Gr 6-7)	1378	1627																		
MERCER MS ^A (Gr 6-8)			1286	92	93%	1380	(2)	100%	1451	(73)	105%	1414	(36)	103%	1403	(25)	102%	1375	3	100%
WILLARD IS ^A (Gr 8-9)	1445	1443																		
WILLARD MS ^A (Gr 6-8)			1336	109	92%	1437	8	99%	1509	(64)	104%	1532	(87)	106%	1582	(137)	109%	1681	(236)	116%
	4277	4666	4177	100		4250	27		4299	(22)		4182	95		4153	124		4214	63	

SOME MIDDLE SCHOOL STUDENTS RESIDING IN THE DULLES SOUTH PLANNING DISTRICT ARE CURRENTLY ATTENDING MIDDLE SCHOOL IN THE DULLES NORTH PLANNING DISTRICT.

- A - WILLARD MS IS CURRENTLY SERVING AS AN INTERMEDIATE SCHOOL (WILLARD IS) FOR STUDENTS IN GRADES 8 AND 9. MERCER MS IS CURRENTLY SERVING STUDENTS IN GRADES 6 AND 7; JOHN CHAMPE HS IS CURRENTLY SERVING STUDENTS IN GRADES 10, 11 AND 12. SECONDARY SCHOOL ATTENDANCE ZONES WILL BE MODIFIED WITH THE OPENING OF LIGHTRIDGE HS (HS-9) IN FALL 2020; WILLARD IS WILL BECOME WILLARD MS SERVING GRADES 6 THROUGH 8. ALSO IN FALL 2020, MERCER MS WILL RETURN TO SERVING STUDENTS IN GRADES 6 THROUGH 8 AND JOHN CHAMPE HS WILL RETURN TO SERVING STUDENTS IN GRADES 9 THROUGH 12.

FY 2019-FY 2024 CIP PLANNING PERIOD

HIGH SCHOOLS	2019-20	30-Sep-19	2020-21			2021-22			2022-23			2023-24			2024-25			2025-26		
	BASE	ACTUAL	PROJECTION			PROJECTION			PROJECTION			PROJECTION			PROJECTION			PROJECTION		
	CAPACITY	ENROLLMENT	ENROLL	SPACE	UTILIZE	ENROLL	SPACE	UTILIZE	ENROLL	SPACE	UTILIZE	ENROLL	SPACE	UTILIZE	ENROLL	SPACE	UTILIZE	ENROLL	SPACE	UTILIZE
FREEDOM HS ^A	2041	2118	2155	(114)	106%	2174	(133)	107%	2113	(72)	104%	2117	(76)	104%	2004	37	98%	1870	171	92%
JOHN CHAMPE HS ^{B,C} (Gr 10-12)	2204	1856																		
JOHN CHAMPE HS ^C (Gr 9-12)			1932	272	88%	1742	462	79%	1639	565	74%	1696	508	77%	1752	452	79%	1757	447	80%
LIGHTRIDGE HS/HS-9 ^{C,D}			969	1149	46%	1439	679	68%	1690	428	80%	1838	280	87%	1976	142	93%	2148	(30)	101%
	4245	3974	5056	1307		5355	1008		5442	921		5651	712		5732	631		5775	588	

SOME HIGH SCHOOL STUDENTS RESIDING IN THE DULLES SOUTH PLANNING DISTRICT ARE CURRENTLY ATTENDING HIGH SCHOOL IN THE DULLES NORTH PLANNING DISTRICT.

- A - THE 2019-20 BASE CAPACITY FOR FREEDOM HS REFLECTS FOUR (4) MODULAR CLASSROOMS ON SITE; WITHOUT THE MODULAR CLASSROOMS, CAPACITY AT FREEDOM HS WOULD BE 1958.
 B - THE 2019-20 BASE CAPACITY FOR JOHN CHAMPE HS REFLECTS EIGHT (8) MODULAR CLASSROOMS ON SITE; WITHOUT THE MODULAR CLASSROOMS, CAPACITY AT JOHN CHAMPE HS WOULD BE 2039.
 C - WILLARD MS IS CURRENTLY SERVING AS AN INTERMEDIATE SCHOOL (WILLARD IS) FOR STUDENTS IN GRADES 8 AND 9. MERCER MS IS CURRENTLY SERVING STUDENTS IN GRADES 6 AND 7; JOHN CHAMPE HS IS CURRENTLY SERVING STUDENTS IN GRADES 10, 11 AND 12. SECONDARY SCHOOL ATTENDANCE ZONES WILL BE MODIFIED WITH THE OPENING OF LIGHTRIDGE HS (HS-9) IN FALL 2020; WILLARD IS WILL BECOME WILLARD MS SERVING GRADES 6 THROUGH 8. ALSO IN FALL 2020, MERCER MS WILL RETURN TO SERVING STUDENTS IN GRADES 6 THROUGH 8 AND JOHN CHAMPE HS WILL RETURN TO SERVING STUDENTS IN GRADES 9 THROUGH 12.
 D - THE OPENING OF LIGHTRIDGE HS (HS-9) IS PLANNED FOR FALL 2020 (2020-21 SCHOOL YEAR) WITH AN ANTICIPATED BASE CAPACITY OF 2118. THE SCHOOL IS BEING CONSTRUCTED ON A PURCHASED SITE (25077 LIGHTRIDGE FARM ROAD, ALDIE). FOR THE 2020-21 SCHOOL YEAR ONLY, THERE WILL BE NO GRADE 12 CLASS AT LIGHTRIDGE HS.

**DULLES SOUTH PLANNING DISTRICT
RESIDENTIAL DEVELOPMENT**

LCPS Planning staff tracks residential building permit activity for Loudoun County and its incorporated towns. The monitoring includes both rezoned and by-right developments (i.e., approved, proposed, inactive) and construction status. Tracking the approved under construction and approved future "pipeline" development assists staff in estimating student growth.

Residential development detail is provided for approved, but not yet completed, residential projects in LCPS geographic planning districts. Complete, proposed, inactive, and/or age-restricted residential applications are excluded from the below provided information. Utilizing 2019 student generation factors, the number of potential LCPS students has been calculated based on the remaining number of residential units to be constructed.

**Dulles South Planning District
Approved, Unbuilt Residential Development
as of September 2019**

SFD - Single Family Detached SFA - Single Family Attached MF - Multifamily

Residential Development	Approved Residential Units				Potential LCPS Students			% Complete, as of 9/2019
	SFD	SFA	MF	Total	Elementary School	Middle School	High School	
ARCADIA TWIN PONDS	47	0	0	47	19	10	14	0%
ARCOLA CENTER	0	590	604	1194	152	83	111	45%
CHUDLEIGH FARM	32	0	0	32	11	6	8	16%
CLARKE ASSEMBLAGE	80	0	0	80	8	4	6	75%
CREIGHTON FARMS, ESTATES AT	171	0	0	171	34	19	25	50%
FOX GATE	0	0	110	110	16	9	12	0%
GLASCOCK FIELD AT STONE RIDGE	0	160	128	288	16	9	12	70%
GRANT AT WILLOWSFORD, THE	442	0	0	442	61	33	44	66
GREENS AT WILLOWSFORD, THE	684	0	0	684	68	37	49	75%
GROVE AT WILLOWSFORD, THE	675	0	0	675	48	26	35	82
LAMBERT PROPERTY	75	0	0	75	24	13	18	19
LENAH MILL	799	0	0	799	121	66	88	62%
MCINTOSH ASSEMBLAGE	105	0	0	105	24	13	17	44%
NICHOLSON FARM	71	0	0	71	1	1	1	96%
POLAND HILL	66	0	0	66	26	14	19	0%
RESERVE AT HOLLY SPRINGS	37	0	0	37	15	8	11	0%
SOUTH FORK	0	0	80	80	12	7	9	0
STONE RIDGE	0	0	988	988	10	6	7	93
WESTBURY GLEN	140	0	0	140	21	11	15	63
WHITMAN PROPERTY	95	143	0	238	67	36	49	15%
Planning District Total, as of September 2019	3519	893	1910	6322	754	411	548	