

Community Planning and
Development Services
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CLARK | AZAR & ASSOCIATES

Thomas Wootton High School Site Plan Amendment

2100 Wootton Parkway
Rockville, MD 20850

Parking and Circulation Report

Prepared: . March 2022

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Project No. 200.102

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Parking and Circulation Report Thomas S Wootton High School Rockville, Maryland

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I. PARKING AND CIRCULATION NARRATIVE

I. Introduction

In 2000 the City of Rockville Planning Commission approved the site and parking plan for the Thomas S. Wootton High School addition project. Montgomery County Public Schools (MCPS) proposes to amend the parking from the approved site plan for the existing Thomas S. Wootton High School which is located at 2100 Wootton Parkway in Rockville, Maryland. The school site is bordered to the north by a residential subdivision, to the east by Wootton Parkway, to the south by Scott Drive and to the west by Robert Frost Middle School. The site is zoned R-150 and is 27 acres.

II. Existing Conditions

The site is a currently operational high school with a school building, bus loop, parent loop, parking lots, stadium, play fields, and tennis courts.

The school currently has 24 bus parking spaces and 417 passenger vehicle parking spaces with 51 temporary spaces divided into three lots per the table below.

THOMAS S. WOOTTON HS - PARKING TABULATION						
	Staff	Student	Visitor	ADA	Total	Bus
South Lot	28	199	7	4	238	0
Bus Loop	37	0	11	3	51	24
North Lot	179	0	0	0	179	0
TOTAL	244	199	18	7	468	24

Additionally, the school had leased 50 parking spaces from the shopping center to the north.

Arrival to the school noted on the table below.

The data collected was from school staff over several days. Current enrollment is 2,020 students.

WOOTTON HS - STUDENT ARRIVALS	
School Bus	880
Student Drop Off*	500
Student Drivers**	199
Walk / Bike	400

* - Student Drop Off is a combination of single driver and multiple riders per vehicle.

** - Student Drivers is a combination of single driver and multiple riders per vehicle.

III. Proposed Conditions

Parking Spaces in the Bus Loop

The site plan that was approved in 1999-2000 restricted parking within the bus loop to buses during school hours and only allowed for parking in the passenger vehicle spaces in after hours. MCPS has been parking vehicles in the bus loop during school hours for the past 20 years and was recently issued a notice of violation. The use of these 51 parking spaces during all hours have been successfully managed and have created no safety of operational. MCPS proposes to remove the after hours only restriction to allow the continues use of the spaces. The parking spaces are comprised of 37 staff spaces, 11 visitor spaces, and 3 handicap spaces. Below is a summary of how the spaces are used and managed throughout the day:

Morning (Arrival):

The staff spaces in the bus loop are assigned spaces for administration and team leaders that arrive to the school prior to the buses arriving at the site. A school security member is assigned to the bus loop entrance to turn any parents away from dropping off in the bus loop and direct them towards the appropriate entrance. Security staff heads out to patrol the bus loop no later than 6:55am. Buses start to arrive to the site at approximately 7:10am. The buses pull up parallel to the curb at the furthest chevron space to drop off students. Bus drivers are trained to activate all safety measures which includes the flashing stop sign to warn that students are de-busing. This also includes activation of bus cameras of any violations where to occur. When all students are off, buses leave the bus loop. If a staff member is running late to their assigned space within the bus loop, they notify the security member at the bus loop entrance and move to their space when it is clear and safe to do so. Staff member who are late risks losing their assigned space. This process runs to 7:45 and is adjusted for late bus arrivals as necessary.

During the School Day:

Visitors are allowed to access the visitor spaces in the bus loop. In special cases such as injuries or late arrivals, students are allowed to be dropped off in the bus loop after school has started.

Afternoon (Dismissal):

A security member for the school is assigned to monitor the bus loop entrance. They restrict vehicles other than buses from entering the loop and redirect them to the appropriate entrance. Two additional security members monitor students load onto buses. Buses start arriving at 2:00pm and park in assigned chevron space. At 2:30pm, students begin loading onto their assigned bus. Once loaded buses leave begin to leave in an orderly fashion with all buses leaving before 2:50pm. . Security stops patrolling the entrance around 3:00pm and remain longer for late buses. The earliest any vehicle is allowed to leave the parking spaces in the bus loop is after 2:50pm. The staff assigned these spaces are part of leadership and leave at 3:30pm.

Leased Parking at Former Giant Parking Lot

The previous site plan included the provision of 50 parking spaces in the Giant shopping center to the north. MCPS and the City of Rockville has been notified that the shopping center is no longer leasing those spaces to MCPS. The 50 leased spaces were previously for student parking only. The loss of these spaces will have no impact on staff parking. Student parking is an application process and not all students are provided parking privileges. Spaces are limited to seniors in good academic standing and have completed all their SSL hours (Student Service Learning). The school staff also look at students needs such as those who need work release or early release or other hardships that parking would be assigned. The school holds a few spaces unassigned should any short term hardships arise for a student that needs to park at the school to allow them to temporarily reserve a space. The school communicates to both parents and students of the limited parking and reminder that parking is not guaranteed. MCPS provides bus transportation and makes adjustments as necessary each year to accommodate school bus riders.

Future Outlook

The school continuously adapts as times and transportation trends change. The school has noticed an increase in Ride-On Bus usage at the stop near the bus loop entrance. The Ride-On bus service is free for students and has experienced an increase use. As part of the increase student use of Ride-On-Bus services the school has added additional security staff to the crosswalk for students crossing Wootton Parkway. There has also been an increase in Uber/Lyft rides to and from campus. School administration strives to keep up with these trends and adjust accordingly. Thomas Wootton High School is also identified in the current CIP for an August 2027 completion date for a major capital project. Design of this project would start in 2023-2024. This plan would include a comprehensive look at pedestrian and vehicular circulation as well as parking on-site.

IV. Conclusions

The proposed amendments to the previous site plan will not have an impact on the school. The school has been operating with parking within the bus loop during school hours for 20 years without issue. This is based on the efforts of the school system to prepare students for proper arrival and dismissal procedures. This coupled with an operational plan that is enforced on a daily basis has produced a safe and successful outcome. Tied to this is also the training of the professional bus operators that follow all safety measures to ensure safe operation while navigating the bus loop. The 50 parking spaces at the former Giant shopping center were for students only. Both students and parents where informed and adjustment to ridership to the school has already been realized.

II. STUDENT ENROLLMENT NUMBERS

THOMAS S. WOOTTON CLUSTER

CLUSTER PLANNING ISSUES

Planning Issue: The 2010 adopted Great Seneca Science Corridor Master Plan provides for up to 5,700 residential units. Most of the residential development is in the Thomas S. Wootton Cluster. The majority of planned units require funding to be secured for construction of the Corridor Cities Transitway. The pace of construction will be market driven. A future elementary school site is included in the plan.

Planning Study: To relieve overutilization at Rachel Carson Elementary School, a project was approved at DuFief Elementary School to expand the school. Although the Board of Education requested that the project open in August 2022, the County Council delayed the project to August 2023. A boundary study was approved to begin in spring 2020. based on the Board of Education's requested schedule. Based on the approved completion date, the boundary study was recommended to occur in spring 2022, with Board of Education action in November 2022. On September 9, 2021, the Board of Education approved a transfer of funds from the DuFief Elementary School Addition/Facility Upgrade project to six capital projects in the approved CIP that are scheduled to bid this fall. Removing these expenditures from the DuFief Elementary School project and reallocating those funds to the six capital projects will allow MCPS to commence with construction and provide for a budget neutral funding solution.

SCHOOLS

Thomas S. Wootton High School

Capital Project: A major capital project is planned for this school to address various building systems and programmatic needs for this school. Expenditures for this project are included in the Major Capital Projects-Secondary. Although the Board of Education requested a completion date of August 2026, the County Council delayed the expenditures and completion date by one year to August 2027. An FY 2023 appropriation is recommended to accelerate the architectural design and site funds within the Major Capital Project to address ADA and site related issues.

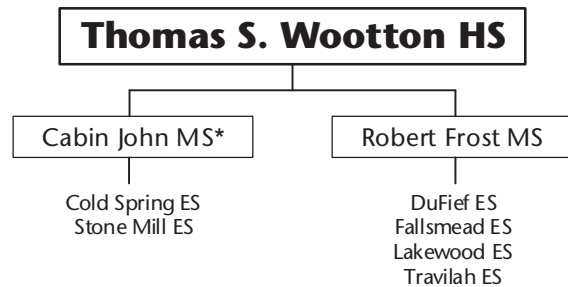
Capital Project: Expenditures are programmed in the six-year period to open a new high school on the Crown Farm site to address overutilization in the mid-county region. Although an FY 2019 appropriation for planning was requested by the Board of Education for this new school, the County Council delayed the funds by one year to begin in FY 2020. An FY 2020 appropriation was approved for planning to begin the architectural design for this project with a completion date of August 2025. However, as part of the FY 2021-2026 CIP, the County Council delayed

the expenditures and completion date to August 2026. An FY 2023 appropriation is recommended for construction cost increases and construction funds.

DuFief Elementary School

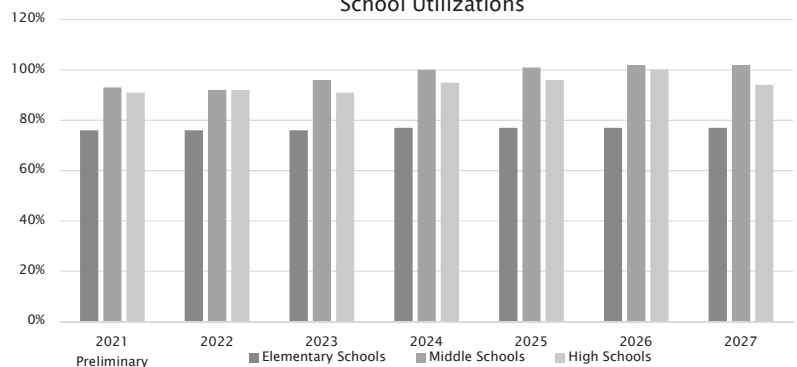
Planning Issue/Capital Project: To relieve overutilization at Rachel Carson Elementary School, a project was approved at DuFief Elementary School to expand the school, as well as to address the school's building systems. Although the Board of Education requested that the project open in August 2022, the County Council delayed the project to August 2023. A boundary study was approved to begin in spring 2020. based on the Board of Education's requested schedule. Based on the approved completion date, the boundary study was recommended to occur in spring 2022, with Board of Education action in November 2022. On September 9, 2021, the Board of Education approved a transfer of funds from the DuFief Elementary School Addition/Facility Upgrade project to six capital projects in the approved CIP that are scheduled to bid this fall. Removing these expenditures from the DuFief Elementary School project and reallocating those funds to

Thomas S. Wootton Cluster Articulation



* Bells Mill ES and Seven Locks ES also articulate to Cabin John MS and thereafter to Winston Churchill HS.
See Appendix U for multicolored maps of the service areas.

Thomas S. Wootton Cluster School Utilizations



Note: Percent utilization calculated as total enrollment of schools divided by total capacity.
Projected capacity factors in capital projects. Desired utilization range is between 80% - 100%

THOMAS S. WOOTTON CLUSTER

the six capital projects will allow MCPS to commence with construction and provide for a budget neutral funding solution. Funding to address facility upgrades to this school will be considered in a future CIP.

CAPITAL PROJECTS

School	Project	Project Status*	Date of Completion
Crown HS	New School	Recommended	August 2026
Thomas S. Wootton HS	Major Capital Project	Recommended	August 2027

“Approved”—Project has an approved FY 2022 appropriation in the Amended FY 2021–2026 CIP for planning or construction funds.

“Programmed”—Project has expenditures programmed in a future year of the CIP for planning and/or construction funds.

“Proposed”—Project has facility planning funds approved for a feasibility study.

“Recommended”—Project has a recommended FY 2023 appropriation for planning or construction in the FY 2023–2028 CIP.



Cabin John Middle School

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Projected Enrollment and Space Availability

Effects of the Superintendent's Recommended FY 2023 Capital Budget and FY 2023–2028 Capital Improvements Program

Schools			Prelim.	Projections								
			21–22	22–23	23–24	24–25	25–26	26–27	27–28	2031	2036	
Thomas S. Wootton HS		Program Capacity	2142	2142	2142	2142	2142	2142	2210	2210	2210	
		Enrollment	1943	1963	1951	2025	2053	2147	2074	2100	2200	
		Available Space	199	179	191	117	89	(5)	126	110	10	
		Comments			Plng. for Maj. Cap. Project							
Crown HS		Program Capacity						2201	2201	2201	2201	
		Enrollment						0	0	0	0	
		Available Space						2201	2201	2201	2201	
		Comments					Opens					
		Program Capacity	1125	1125	1125	1125	1125	1125	1125	1125	1125	
Cabin John MS		Enrollment	1030	1012	1011	1091	1122	1147	1136	1140	1200	
		Available Space	95	113	114	34	3	(22)	(11)	(15)	(75)	
		Comments										
Robert Frost MS		Program Capacity	1035	1035	1035	1035	1035	1035	1035	1035	1035	
		Enrollment	974	981	1010	1061	1069	1066	1061	1075	1150	
		Available Space	61	54	25	(26)	(34)	(31)	(26)	(40)	(115)	
		Comments										
		Program Capacity	458	458	458	458	458	458	458			
Cold Spring ES		Enrollment	326	334	332	333	334	334	332			
		Available Space	132	124	126	125	124	124	126			
		Comments										
DuFief ES		Program Capacity	427	427	427	427	427	427	427			
		Enrollment	261	256	270	284	290	296	300			
		Available Space	166	171	157	143	137	131	127			
		Comments										
		Program Capacity	551	551	551	551	551	551	551			
Fallsmead ES		Enrollment	527	546	551	557	566	562	563			
		Available Space	24	5	0	(6)	(15)	(11)	(12)			
		Comments										
Lakewood ES		Program Capacity	557	557	557	557	557	557	557			
		Enrollment	413	398	391	391	393	393	390			
		Available Space	144	159	166	166	164	164	167			
		Comments										
		Program Capacity	684	684	684	684	684	684	684			
Stone Mill ES		Enrollment	543	553	536	510	506	494	485			
		Available Space	141	131	148	174	178	190	199			
		Comments										
Travilah ES		Program Capacity	526	526	526	526	526	526	526			
		Enrollment	351	357	366	378	375	391	386			
		Available Space	175	169	160	148	151	135	140			
		Comments										
Cluster Information		HS Utilization	91%	92%	91%	95%	96%	100%	94%	95%	100%	
		HS Enrollment	1943	1963	1951	2025	2053	2147	2074	2100	2200	
		MS Utilization	93%	92%	94%	100%	101%	102%	102%	103%	109%	
		MS Enrollment	2004	1993	2021	2152	2191	2213	2197	2215	2350	
		ES Utilization	76%	76%	76%	77%	77%	77%	77%			
		ES Enrollment	2421	2444	2446	2453	2464	2470	2456			

THOMAS S. WOOTTON CLUSTER

Demographic Characteristics of Schools

Schools	2021-2022						2020-2021		
	Total Enrollment	Two or more races %	Black or Afr. Amer. %	Asian%	Hispanic %	White %	FARMS%*	ESOL%**	Mobility Rate%***
Thomas S. Wootton HS	1943	4.0%	11.8%	35.9%	8.0%	40.1%	6.8%	3.5%	3.2%
Cabin John MS	1030	5.9%	11.8%	34.4%	10.3%	37.4%	8.5%	6.5%	4.2%
Robert Frost MS	974	6.6%	11.7%	41.3%	8.5%	31.6%	7.9%	5.2%	6.1%
Cold Spring ES	326	8.3%	4.3%	39.9%	5.5%	42.0%	0%	3.5%	7.0%
DuFief ES	261	9.2%	16.5%	33.3%	12.3%	28.4%	15.4%	24.3%	11.2%
Fallsmead ES	527	5.3%	12.1%	34.3%	10.6%	36.8%	11.5%	18.1%	15.2%
Lakewood ES	413	5.3%	13.6%	49.9%	12.3%	18.4%	9.9%	21.2%	13.9%
Stone Mill ES	543	7.4%	13.4%	47.1%	9.8%	22.1%	10.0%	20.5%	9.9%
Travilah ES	351	5.7%	9.7%	44.7%	8.3%	31.1%	8.0%	15.2%	8.8%
Elementary Cluster Total	2421	6.7%	11.7%	42.0%	9.9%	29.3%	9.4%	17.6%	11.3%
Elementary County Total	71278	5.3%	21.8%	13.6%	34.8%	24.0%	40.3%	29.1%	13.4%

*Percent of students approved for Free and Reduced-priced Meals Program (FARMS) during the 2020-2021 school year.

**Percent of English for Speakers of Other Languages (ESOL) during the 2020-2021 school year. High School students are served in regional ESOL centers.

***Mobility Rate is the number of entries plus withdrawals during the 2020-2021 school year compared to average daily membership.

Notes: Native Hawaiian/Pacific Islander and American Indian/Alaskan Native categories total less than 1% and were therefore excluded from the table.

Due to federal and state guidelines, demographic characteristics of schools of less than or equal to 5 students per category are reported as 0%.

Program Capacity Table
(School Year 2021-2022)

Program Capacity Table (School Year 2021–2022)		Special Education Services																															
		School Based	Cluster Based	Quad Cluster Based	County & Regional Based																												
Schools	Grades Served	Capacity (HS @90% MS@85%)	Total Rooms	Support Rooms	Regular Secondary @25	Regular Elementary @23	CSR Grades 1-2 @18	Pre-K @20	Pre-K @40	HS @20	CSR KIND @18	KIND @22	ESOL @15	METS @15	HSM @13	ELEM LAD @13	ELC @10	LANG @12	LFI @10	SCB @6	AAC@7	AUT @6	BRIDGE @10	DHOH @7	SESES @10	EXTENSIONS @6	GT/LD @13	PD @7	PEP@6	PEP @12	PEP @18	VISION (Elementary) @7	OTHER
Thomas S. Wootton HS	9-12	2142	99		94																3		2										
Cabin John MS	6-8	1125	57		51															3	3												
Robert Frost MS	6-8	1035	51		48																		3										
Cold Spring ES	K-5	458	24	4		18						2																					
DuFief ES	K-5	427	26	4		13						3						5	1														
Fallsmead ES	K-5	551	30	3		19						4					2																2
Lakewood ES	K-5	557	30	4		21						2								3													
Stone Mill ES	K-5	684	36	4		22						4																	1	1	4		
Travilah ES	K-5	526	26	3		20						3																					

THOMAS S. WOOTTON CLUSTER

Facility Characteristics of Schools 2021–2022

Schools	Year Facility Opened	Year Reopened/ Revitalized	Total Square Footage	Site Size Acres	Adjacent Park	Relocatable Classrooms	County Programs
Thomas S. Wootton HS	1970		295,620	27.4		3	
Cabin John MS	1967	2011	159,514	18.2			
Robert Frost MS	1971		143,757	24.8			
Cold Spring ES	1972		55,158	12.4		1	
DuFief ES	1975		59,013	10	Yes	1	
Fallsmead ES	1974		67,472	9	Yes		
Lakewood ES	1968	2003	77,526	13.1			
Stone Mill ES	1988		78,617	11.8			
Travilah ES	1960	1992	65,378	9.3			

III. SITE PHOTOS

Morning Drop-Off

**Special Education
Bus Drop-up**

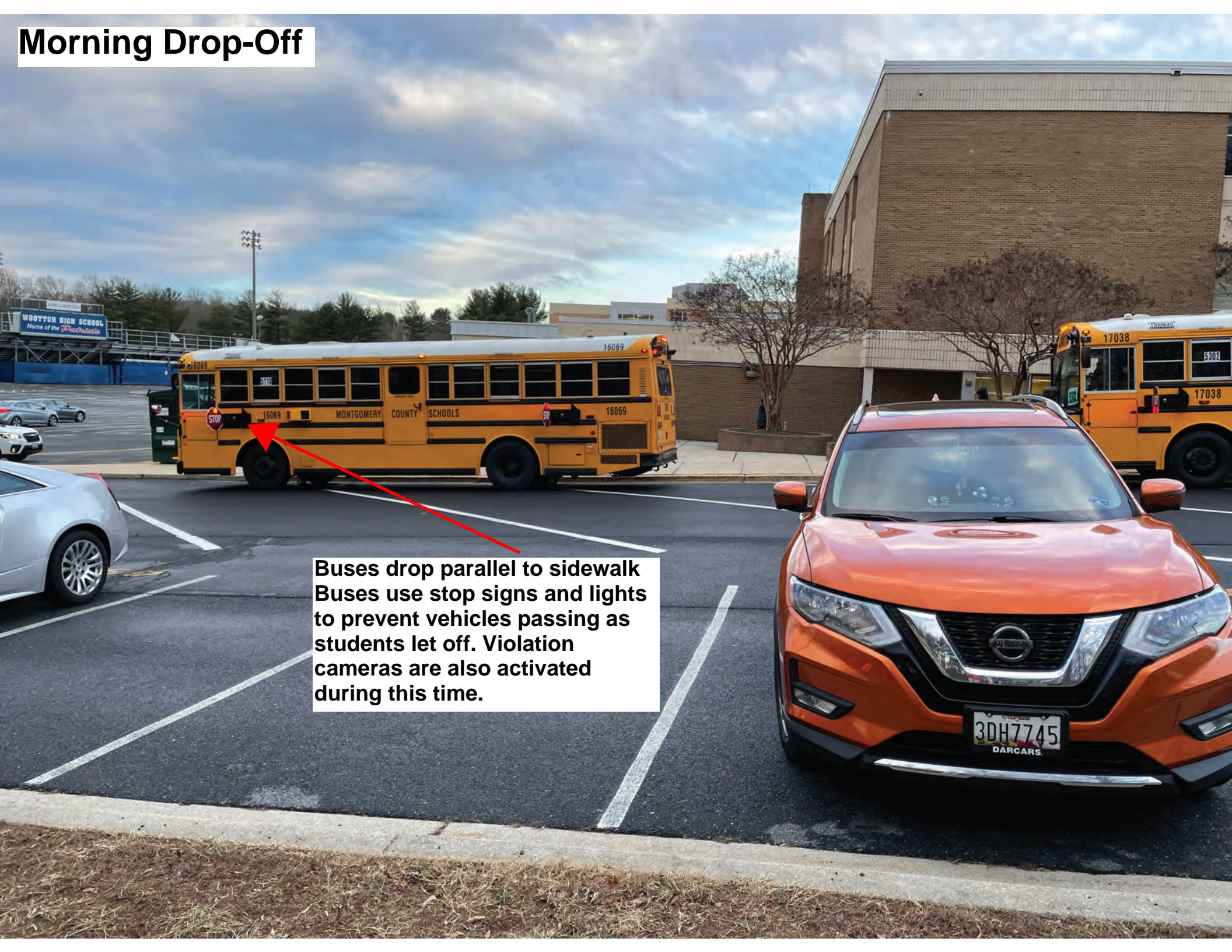


Morning Drop-Off



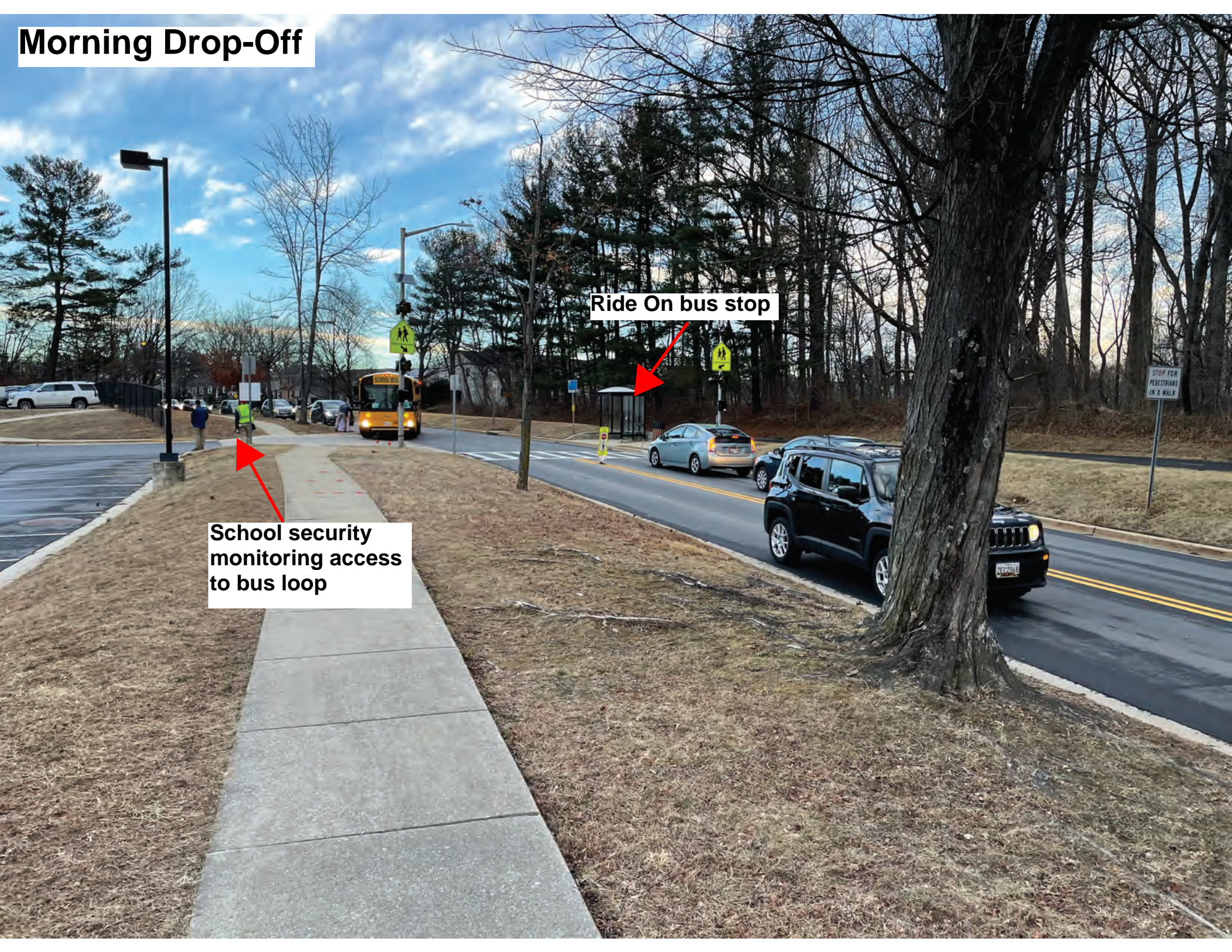
Buses use stop signs and lights to prevent vehicles passing as students let off. Violation cameras are also activated during this time.

Morning Drop-Off



Buses drop parallel to sidewalk
Buses use stop signs and lights
to prevent vehicles passing as
students let off. Violation
cameras are also activated
during this time.

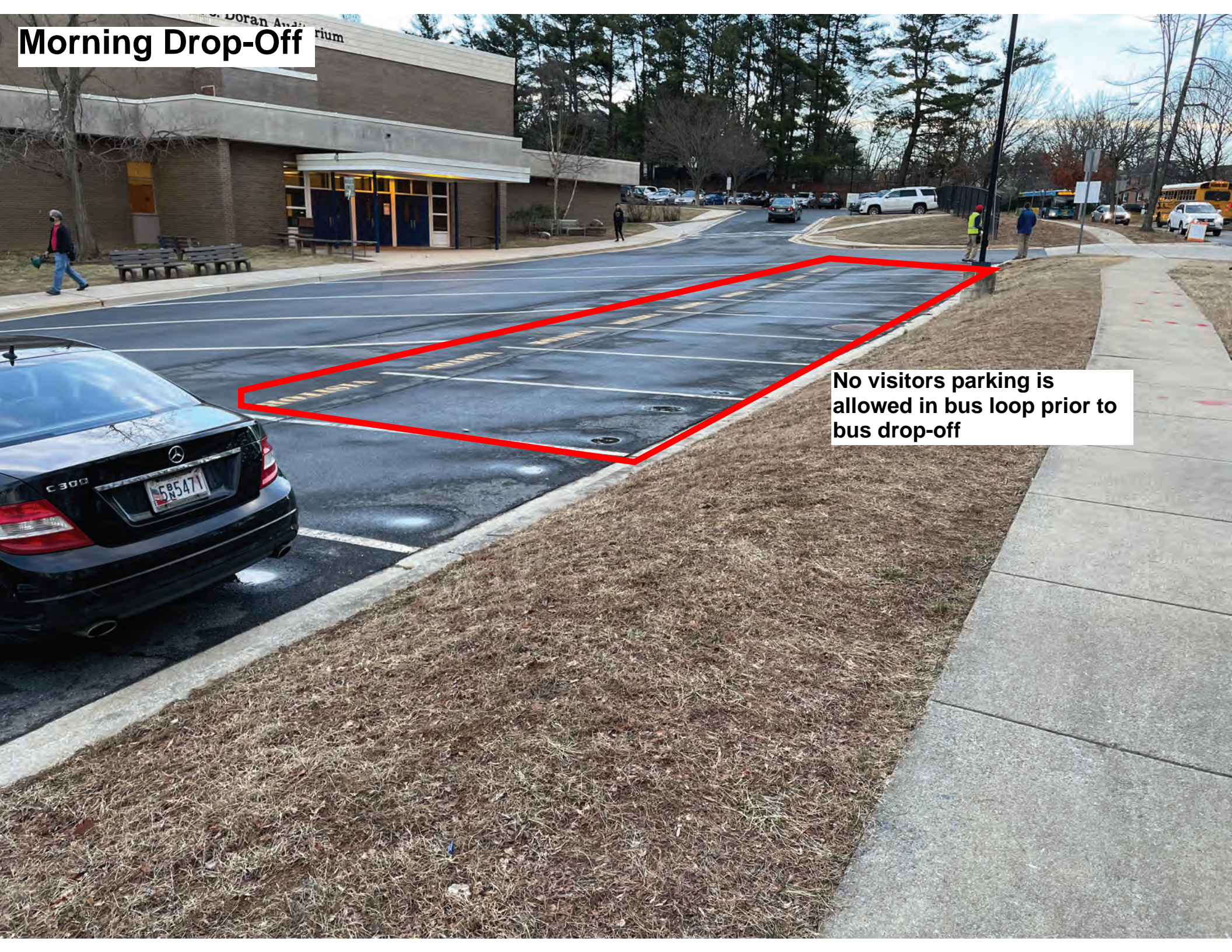
Morning Drop-Off



Ride On bus stop

School security monitoring access to bus loop

Morning Drop-Off



No visitors parking is allowed in bus loop prior to bus drop-off

Morning Drop-Off



Morning Drop-Off



Lot Signage

Sign at entrance to upper staff parking lot

YOU WILL BE TOWED FOR:
PARKING IN FIRE LANES, IN HANDICAP SPACES, ON THE GRASS,
ON SIDEWALKS, DOUBLE PARKING, PARKING IN TWO SPACES,
BLOCKING DUMPSTERS, RESERVED PARKING AREAS,
EXPIRED PARKING PERMIT, NO PERMIT, DISPLAYING EXPIRED OR
NO TAGS, NO PARKING ZONES, NO WALK-OFFS, NO COMMUTER
PARKING, NO COMMERCIAL VEHICLE PARKING,
INOPERABLE VEHICLES, VEHICLES WITH FLAT TIRES.

VEHICLES WILL BE TOWED AT OWNERS
EXPENSE & RISK. IF YOUR CAR IS TOWED, YOU ARE AGREEING TO A
LIEN FOR THE TOWING AND STORAGE.

IF TOWED CALL: CUSTOM TOWING 375 DERWOOD CIRCLE DERWOOD, MD 20850 301-253-5151	MAXIMUM TOWING RATES: TOWING CHARGE \$440 STORAGE DAILY RATES \$80 VEHICLES MAY BE RECLAIMED 24 HOURS A DAY, 7 DAYS A WEEK
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Lot Signage



Sign at entrance to upper staff parking lot



Lot Signage



Sign at entrance to upper staff parking and bus loop entrance

Lot Signage



Sign at entrance
to bus loop



Lot Signage



**Signs along
Wootton
Parkway**



Afternoon (Dismissal)

**Buses parked in
chevron spaces**



Afternoon (Dismissal)



Afternoon (Dismissal)



Afternoon (Dismissal)

**Buses able to maneuver
between parked cars and
chevron buses**



Afternoon (Dismissal)

Dr. Michael J. Doran Auditorium

**Special Education
Bus Pick-up
Parallel park**



Afternoon (Dismissal)

