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Table 1. Summary

Month	Time	Criterion 1	Criterion 2	Criterion 3	Criterion 4	Criterion 5	Notes/ Explanations
		Met/Not Met	Met/Not Met	Met/Not Met	Met/Not Met	Met/Not Met	
June 21st	7:07	Met	Met	n/a for date	n/a - no Turf and flower gardens in Public Parks	n/a for date	Criterion 1 met although no impact zone shadowed by proposal. This does not occur for more than two consecutive hours.
	7:20	Met					Criterion 1 met although no impact zone shadowed by proposal. This does not occur for more than two consecutive hours.
	8:20	Met					
	9:20	Met					
	10:20	Met					
	11:20	Met					
	12:20	Met					
	13:20	Met					
	14:20	Met					
	15:20	Met					
16:20	Met						
17:20							Criterion 1 not met as no impact zone is shadowed by proposal for more than two consecutive hourly test times between 17:20 to 19:33. Only a very minimal part of the no impact zone is shadowed at 17:20 (refer to SPA814).
18:20	Not Met						
19:20	Not Met						
19:33	Not Met						
Sept 21st	8:35	Not Met	Met	See Table 3	n/a - no public parks within study region	Not Met	Criterion 1 and 5 not met as no impact zone is shadowed by proposal for more than two consecutive hourly test times between 17:20 to 19:33 (refer to SPA816).
	9:12	Not Met					
	10:12	Not Met					
	11:12	Met					
	12:12	Met					
	13:12	Met					
	14:12	Met					
	15:12	Met					
	16:12	Met					
	17:12	Met*					
17:48	Met*						
17:20							Criterion 1 and 5 met although no impact zone shadowed by proposal. This does not occur for more than two consecutive hourly test times for both cases.
17:48							Criterion 1 and 5 met although no impact zone shadowed by proposal. This does not occur for more than two consecutive hourly test times for both cases.
Month	Time	Criterion 1	Criterion 2	Criterion 3	Criterion 4	Criterion 5	Notes/ Explanations
Dec 21st	9:19	n/a for date	Met	n/a for date	n/a - no public parks within study region	n/a for date	
	10:17						
	11:17						
	12:17						
	13:17						
	14:17						
15:15							

Table 2. Criteria 2

	Time	Coppersmith Grove Park Area			Dunn Park Area			Proposed Outdoor Amenity Area					
		Sun Coverage*	Percentage	Date Average	Sun Coverage*	Percentage	Date Average	Sun Coverage*	Percentage	Date Average			
June 21st	7:07	15,455.34	100.00%	100.00%	25,787.86	100.00%	100.00%	518.80	25.71%	55.85%			
	7:20	15,455.34	100.00%		25,787.86	100.00%		671.96	33.30%				
	8:20	15,455.34	100.00%		25,787.86	100.00%		958.10	47.48%				
	9:20	15,455.34	100.00%		25,787.86	100.00%		1,180.88	58.52%				
	10:20	15,455.34	100.00%		25,787.86	100.00%		1,419.79	70.36%				
	11:20	15,455.34	100.00%		25,787.86	100.00%		1,661.34	82.33%				
	12:20	15,455.34	100.00%		25,787.86	100.00%		1,897.23	94.02%				
	13:20	15,455.34	100.00%		25,787.86	100.00%		2,017.90	100.00%				
	14:20	15,455.34	100.00%		25,787.86	100.00%		2,017.90	100.00%				
	15:20	15,455.34	100.00%		25,787.86	100.00%		1,951.51	96.71%				
	16:20	15,455.34	100.00%		25,787.86	100.00%		1,578.60	78.23%				
	17:20	15,455.34	100.00%		25,787.86	100.00%		958.70	47.51%				
	18:20	15,455.34	100.00%		25,787.86	100.00%		70.83	3.51%				
	19:20	15,455.34	100.00%		25,787.86	100.00%		0.20	0.01%				
19:33	15,455.34	100.00%	25,787.86	100.00%	0.20	0.01%							
Sept 21st	8:35	15,455.34	100.00%	100.00%	25,787.86	100.00%	100.00%	304.50	15.09%	49.89%			
	9:12	15,455.34	100.00%		25,787.86	100.00%		257.48	12.76%				
	10:12	15,455.34	100.00%		25,787.86	100.00%		452.41	22.42%				
	11:12	15,455.34	100.00%		25,787.86	100.00%		1,057.98	52.43%				
	12:12	15,455.34	100.00%		25,787.86	100.00%		1,489.01	73.79%				
	13:12	15,455.34	100.00%		25,787.86	100.00%		1,831.45	90.76%				
	14:12	15,455.34	100.00%		25,787.86	100.00%		2,017.90	100.00%				
	15:12	15,455.34	100.00%		25,787.86	100.00%		1,910.35	94.67%				
	16:12	15,455.34	100.00%		25,787.86	100.00%		1,483.96	73.54%				
	17:12	15,455.34	100.00%		25,787.86	100.00%		259.91	12.88%				
	17:48	15,455.34	100.00%		25,787.86	100.00%		9.48	0.47%				
	9:19	15,152.42	98.04%		97.31%	25,787.86		100.00%	100.00%		698.85	2.71%	14.58%
	10:17	15,353.33	99.34%			25,787.86		100.00%			4,126.06	16.00%	
	11:17	15,058.14	97.43%			25,787.86		100.00%			974.78	3.78%	
12:17	14,779.94	95.63%	25,787.86	100.00%		1,400.28	5.43%						
13:17	14,690.30	95.05%	25,787.86	100.00%		3,744.40	14.52%						
14:17	14,868.04	96.20%	25,787.86	100.00%		698.85	2.71%						
15:15	15,379.61	99.51%	25,787.86	100.00%	14,678.45	56.92%							

* Sun Coverage calculated by subtracting full extent of shadow impact of proposal from total park area
* The criteria is not met for proposed Outdoor Amenity Area for September 21 and December 21

Table 3. Criteria 3

	Time	Low/ Medium Density		High Density	
		Met/Not Met	Met/Not Met	Met/Not Met	Met/Not Met
Sept 21st	8:35				
	9:12	Not Met		Met	
	10:12	Not Met		Met	
	11:12	Not Met		Met	
	12:12				
	13:12				
	14:12				
	15:12	Met		Met	
	16:12	Met		Met	
	17:12		Not Met		Met
17:48					
SUMMARY		Not Met		Met	

* The criteria is not met at Folkway Drive west sidewalk and Sawmill Valley Drive north sidewalk. Refer to SPA816 and SPA818

1	2022-08-22	OFFICIAL PLAN AND REZONING SUBMISSION	AYU
#	DATE	DESCRIPTION	BY

PROJECT
4099 Erin Mills Parkway, Mississauga, ON

DRAWING
SHADOW STUDY ANALYSIS

PROJECT NO.
19.001
PROJECT DATE
2022-08-26
DRAWN BY
TPV
CHECKED BY
AYU
SCALE



DRAWING NO. SPA811 REV. 1