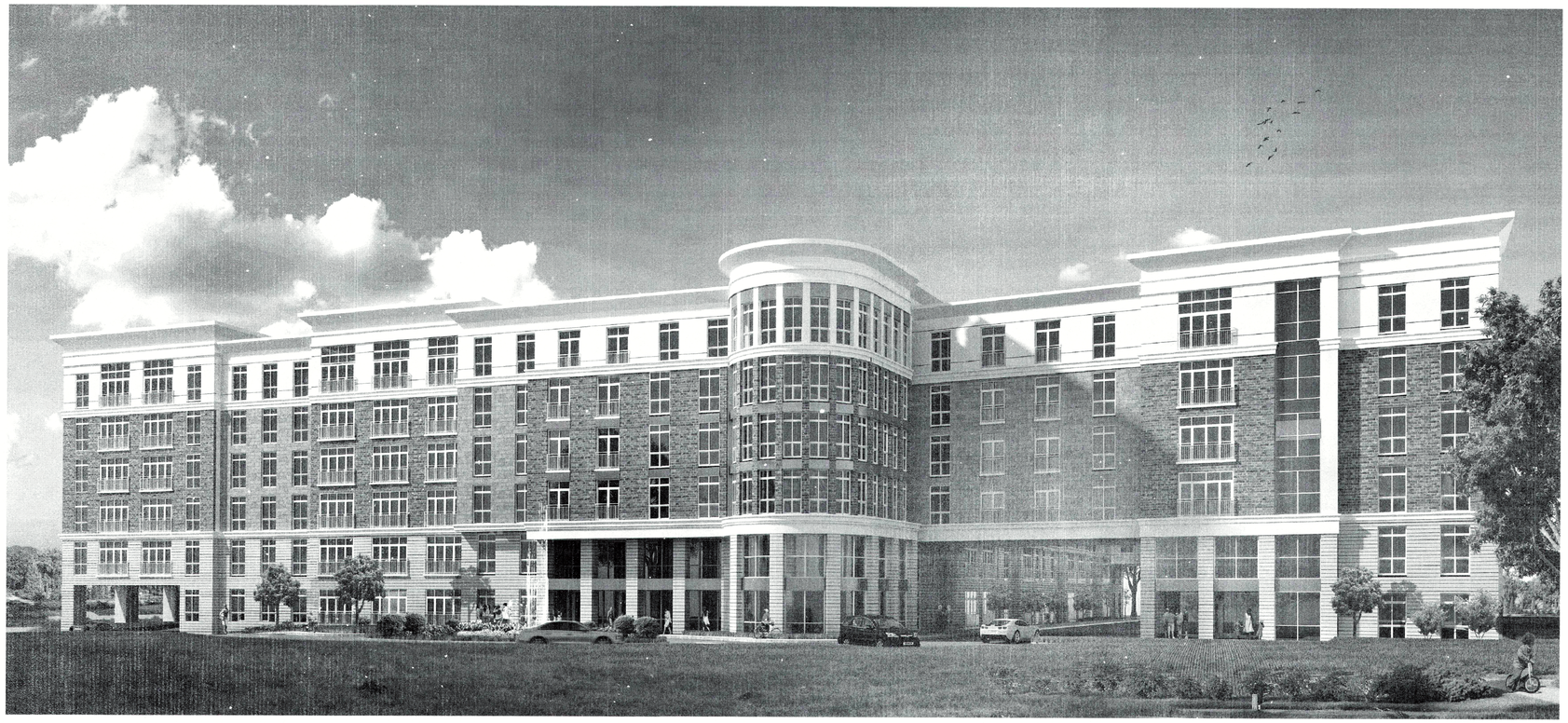
RENDERED IMAGE



INDEX OF DRAWINGS

ARCHITECTURAL DRAWINGS:

CS	COVER SHEET & CODE DATA
A 1.0	BASEMENT LEVEL FLOOR PLAN
A 1.1	GROUND LEVEL FLOOR PLAN
A 1.2	SECOND LEVEL FLOOR PLAN
A 1.3	TYPICAL UPPER LEVEL FLOOR PLAN
A 1.4	ROOF LEVEL PLAN
A 2.0	EXTERIOR ELEVATIONS
A 2.1	EXTERIOR ELEVATIONS
A 2.2	EXTERIOR ELEVATIONS
A 2.3	BUILDING SECTION
A 3.1	SITE LIGHTING PLAN
A 3.2	PARKING STRUCTURE LIGHTING PLANS

CODE ANALYSIS

APPLICABLE AND MODEL CODES

INTERNATIONAL BUILDING CODE 2015
INTERNATIONAL RESIDENTIAL CODE 2015
IMC - 2015: INTERNATIONAL MECHANICAL CODE
IFGC- 2015: INTERNATIONAL FUEL GAS CODE
NEC - 2014: NATIONAL ELECTRIC CODE (NFPA 70)
IECC- 2015: INTERNATIONAL ENERGY CONSERVATION CODE
ICC/ANSI A117.1-2009 ACCESSIBILITY STANDARD

FIRE SAFETY CODE OF MONTGOMERY COUNTY, MARYLAND AS IT EXISTED ON AUGUST 1, 1996, BEING CHAPTER 22 OF THE MONTGOMERY COUNTY CODE, 1984 (1994 REPLACEMENT VOLUME)
2015 EDITIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION UNIFORM FIRE CODE (NFPA 1) & LIFE SAFETY CODE (NFPA 101), ALL ASSOCIATED NFPA CODES OR STANDARDS INCORPORATED BY REFERENCE, AND THE LATEST EDITIONS OF CERTAIN OTHER NFPA CODES NOT INCORPORATED BY REFERENCE INTO NFPA 1 OR NFPA 101

BASE BUILDING	PROPOSED
BUILDING ADDRESS:	QUINCE ORCHARD ROAD & GREAT SENECA HIGHWAY
GOVERNING BUILDING CODE FOR NEW WORK:	2012 IBC / NFPA 101
CONSTRUCTION TYPE:	IIIA OVER TYPE IA PODIUM (MULTIFAMILY) & IB (PARKING STRUCTURE)
USE GROUP:	(R2) MULTIFAMILY
BUILDING FOOTPRINT:	66,218 SQUARE FEET
HEIGHT/STORIES:	75' MAX. HEIGHT/ 6 STORIES
SUPPRESSION:	FULLY SPRINKLERED (NFPA 13)
MONITORING:	YES

Joint Hearing - MCC & PC
SDP-7362-2016
Exhibit #16

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PROJECT:

PRELIMINARY PLANS FOR:

S&T Kentlands

Quince Orchard Road &
Great Seneca Highway
Gaithersburg, MD

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STATE OF MARYLAND
ROBERT P. DUNNING
No. 15038
ARCHITECT
10-12-16

ISSUED:	DATE:
SCHEMATIC DEVELOPMENT PLAN	10-12-16

NO. REVISION:	DATE:

DESIGNED/DRAWN BY:
REVIEWED/APPROVED BY: RPD
PROJECT NO: 2015-081
SCALE: AS NOTED

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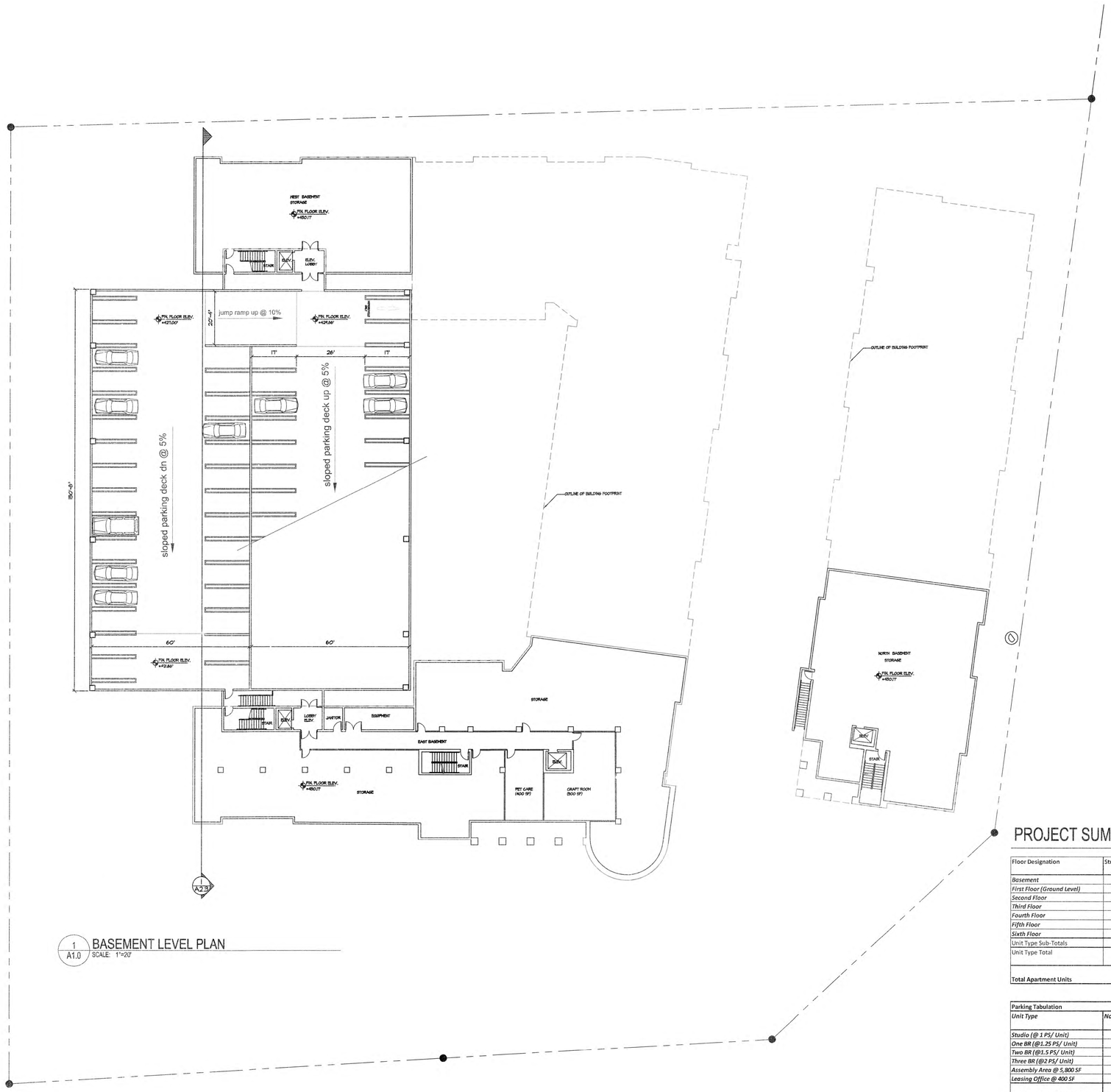
SHEET TITLE:

COVER SHEET & CODE DATA

SHEET NUMBER:

CS



1 A1.0 BASEMENT LEVEL PLAN
SCALE: 1"=20'

PROJECT SUMMARY

Floor Designation	Studio	Studio-Loft	One BR	One BR-Loft	Two BR	Two BR-Loft	Three BR	Three BR-Loft
Basement	0		0		0		0	
First Floor (Ground Level)	9		19		12		0	
Second Floor	10		19		15		2	
Third Floor	10		23		17		2	
Fourth Floor	10		23		17		2	
Fifth Floor	10		23		17		2	
Sixth Floor		10		25		17		1
Unit Type Sub-Totals	49	10	107	25	78	17	8	1
Unit Type Total		59		132		95		9
Total Apartment Units								295

Affordable Units (15% of Total Units)	
Studio	9
1 BR	20
2BR	14
3BR	1
Total	44

Parking Tabulation											
Unit Type	*No. of Units*	*Required PS*	*Provided PS*	*Structured*				*Surface*			*Loading*
				Standard	*Motorcycle*	*Van Access.*	*Std. Access.*	*Standard*	*Van Access.*	*Std. Access.*	
Studio (@ 1 PS/ Unit)	59	59	59								
One BR (@1.25 PS/ Unit)	132	165	165								
Two BR (@1.5 PS/ Unit)	95	143	143	401	8	1	9	2	2	0	2
Three BR (@2 PS/ Unit)	9	18	18								
Assembly Area @ 5,800 SF		15	19								
Leasing Office @ 400 SF		2	19								
Total Resident & Visitor Parking	**295**	**402**	**423**	**419**				**4**			
Loading Spaces											2

Building Assembly Area: 5,800 SF @ 1 PS per 400 SF
Leasing Office 400 SF @ 1 PS per 300 GSF

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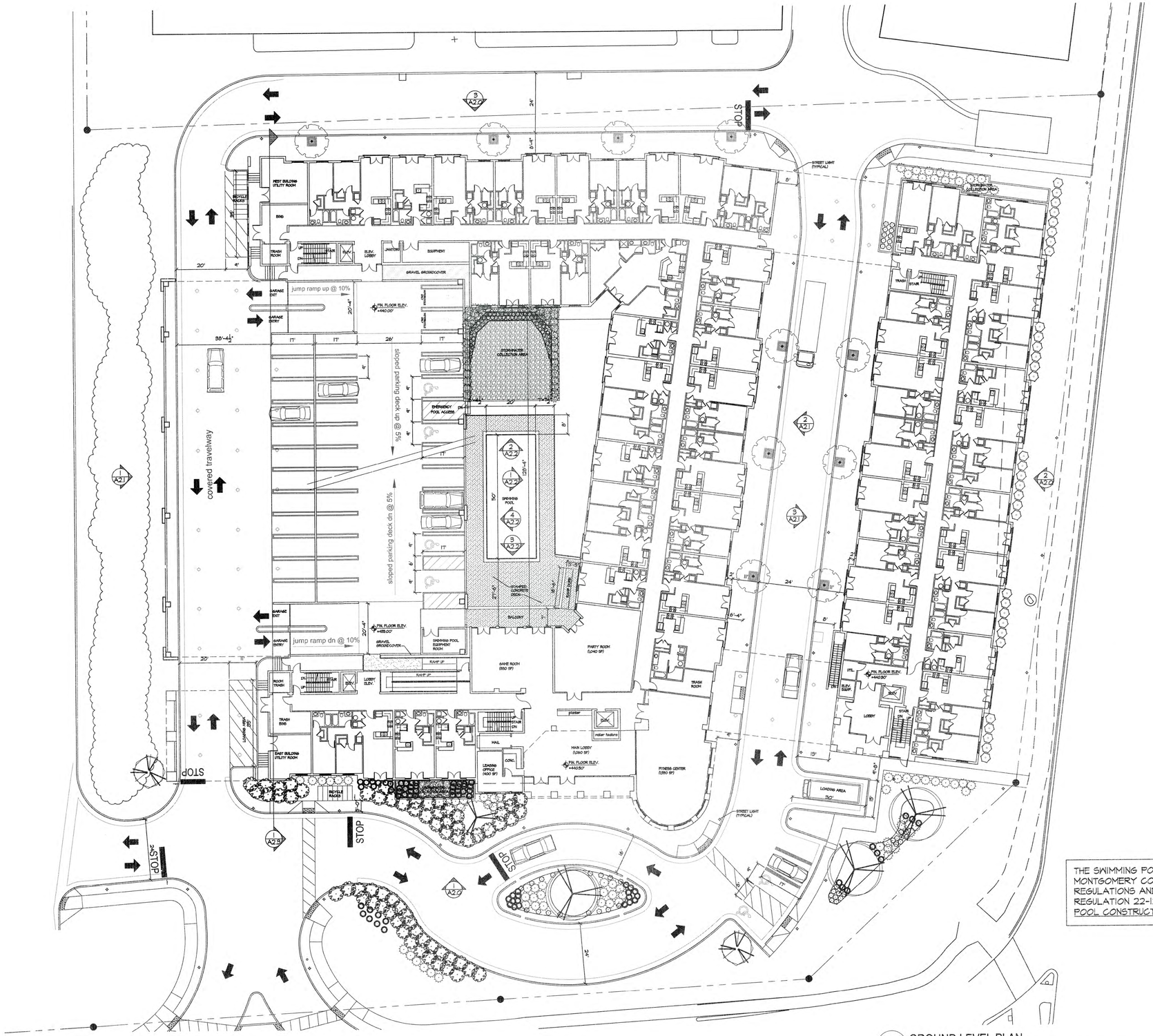
SHEET TITLE:

BASEMENT LEVEL FLOOR PLAN

SHEET NUMBER:

A1.0



THE SWIMMING POOL IS IN COMPLIANCE WITH THE MONTGOMERY COUNTY HEALTH DEPARTMENT REGULATIONS AND MONTGOMERY COUNTY EXECUTIVE REGULATION 22-12, MANUAL ON PUBLIC SWIMMING POOL CONSTRUCTION

1 / A1.1 GROUND LEVEL PLAN
SCALE: 1"=20'

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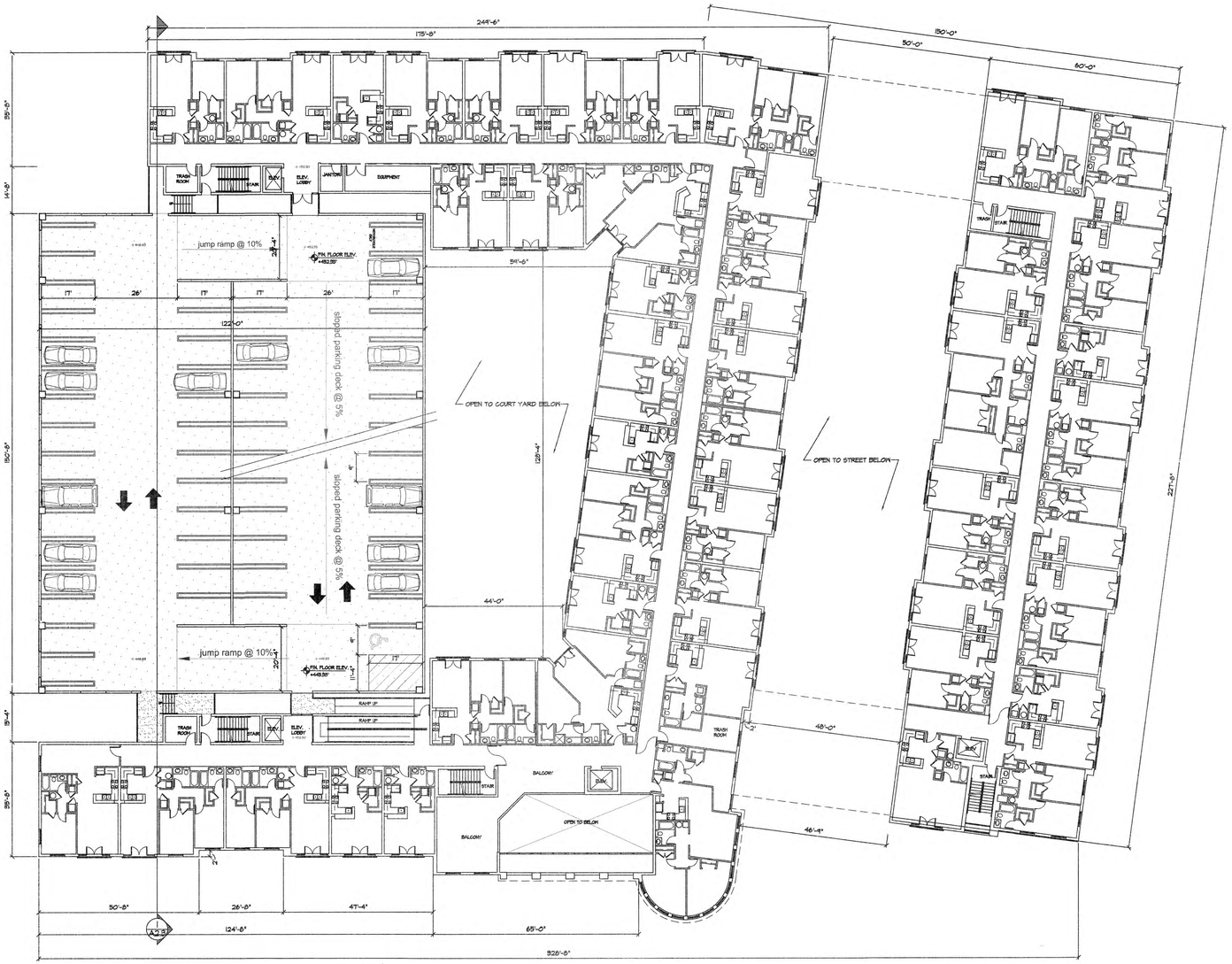
SHEET TITLE:

GROUND LEVEL FLOOR PLAN

SHEET NUMBER:

A1.1



1 A1.2 SECOND LEVEL PLAN
SCALE: 1"=20'

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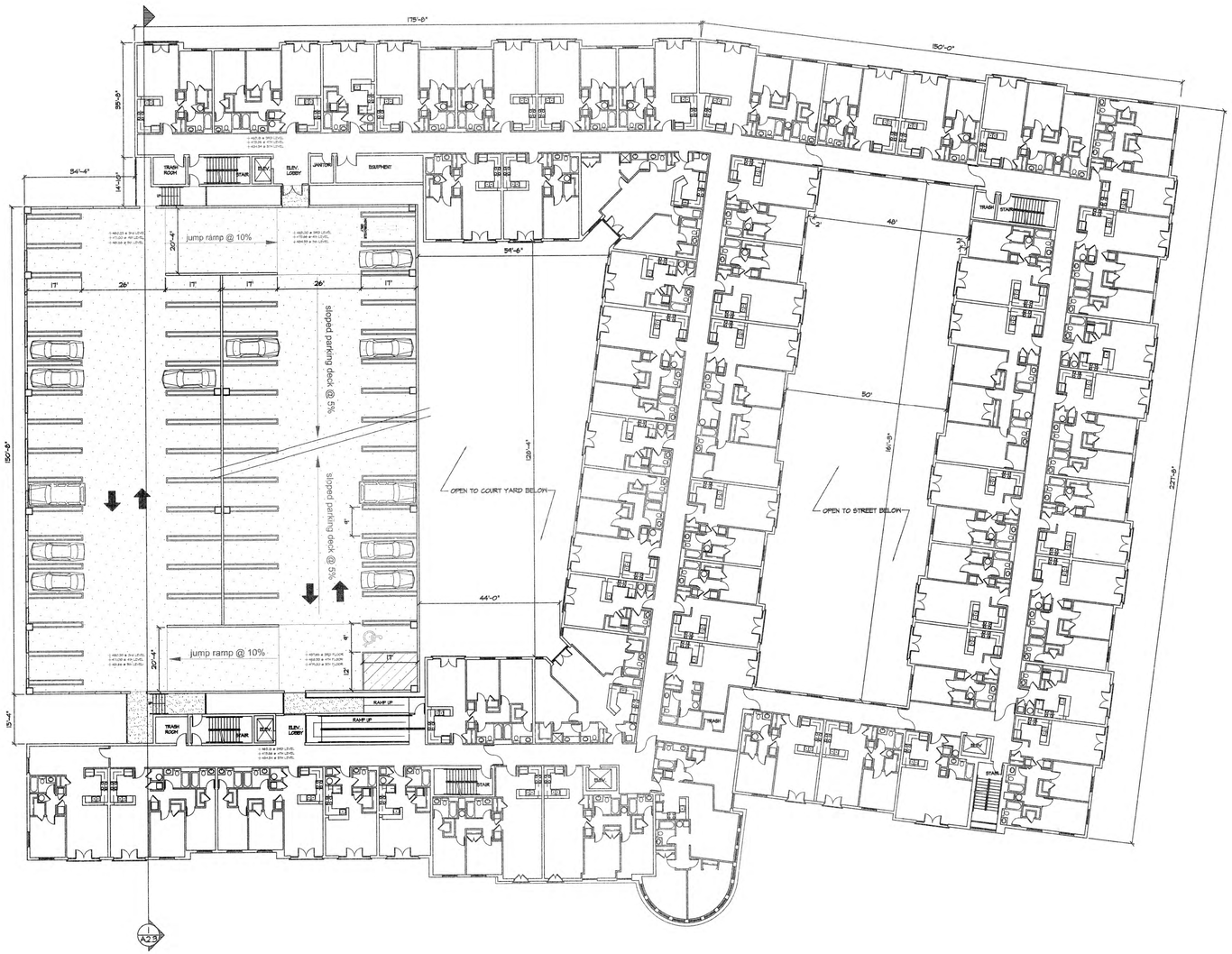
SHEET TITLE:

SECOND LEVEL FLOOR PLAN

SHEET NUMBER:

A1.2



1 / A1.3 TYPICAL UPPER LEVEL PLAN
SCALE: 1"=20'

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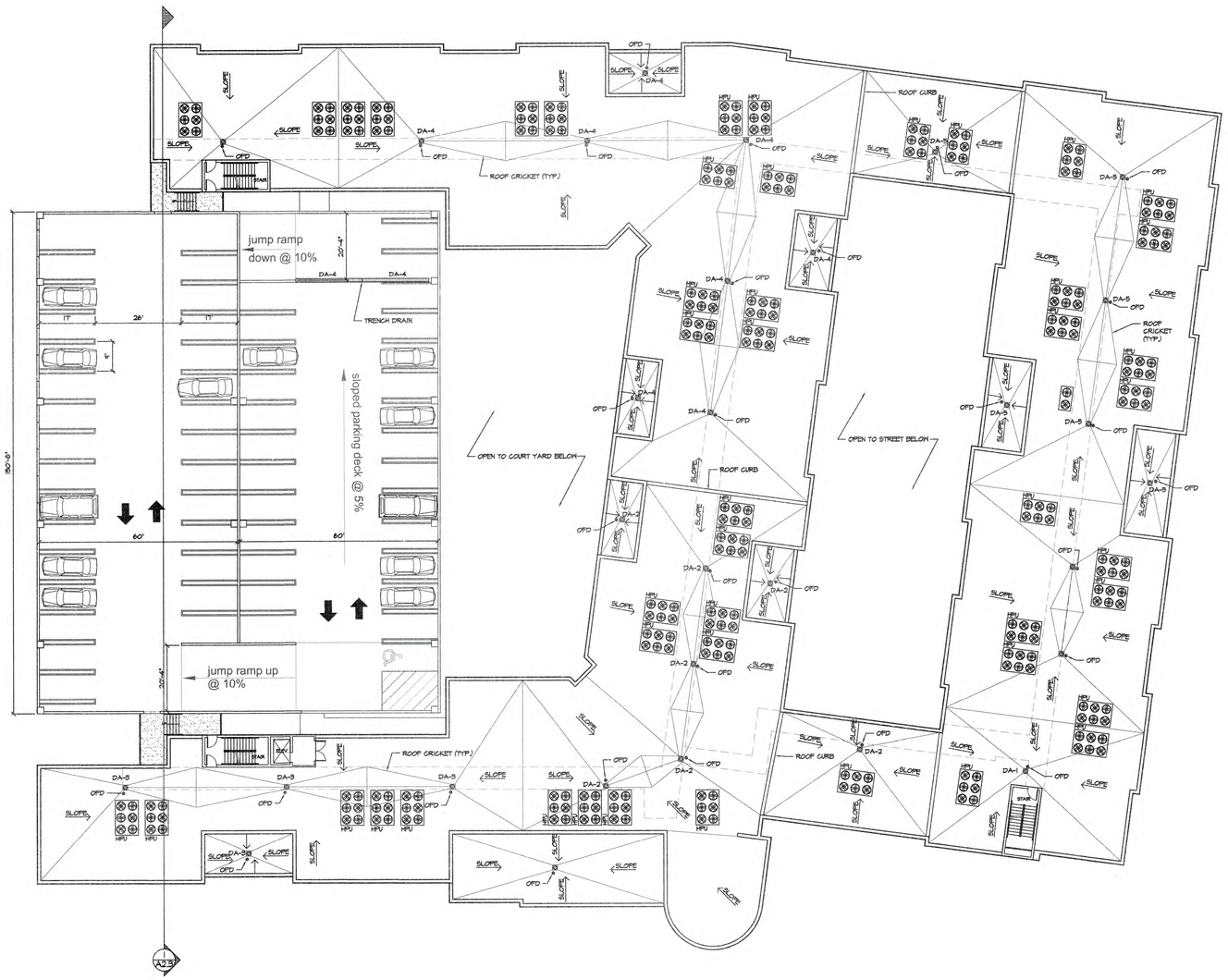
SHEET TITLE:

TYPICAL UPPER LEVEL FLOOR PLAN

SHEET NUMBER:

A1.3



1 A1.4 ROOF LEVEL PLAN
SCALE: 1"=20'

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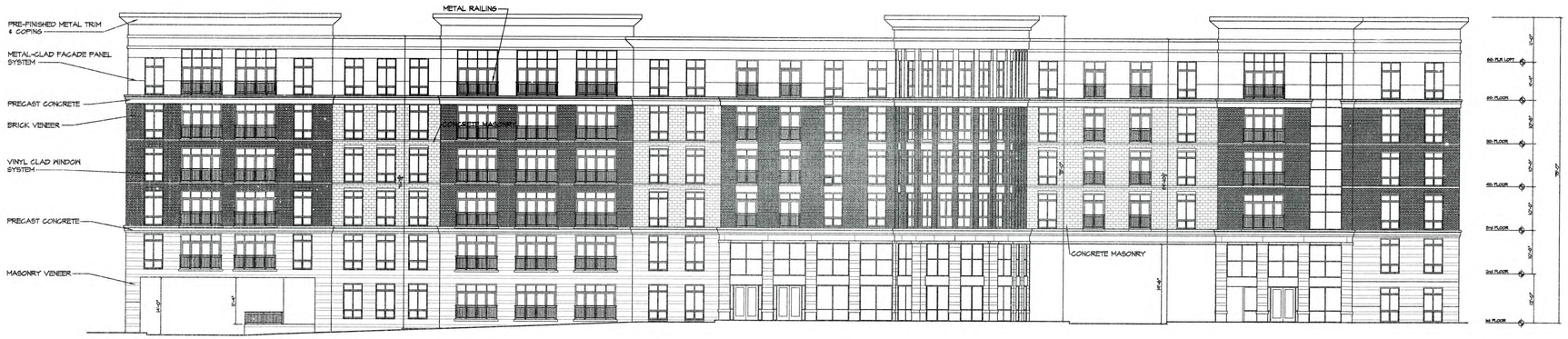
SHEET TITLE:

ROOF LEVEL PLAN

SHEET NUMBER:

A1.4



1 / A2.0 GREAT SENECA HIGHWAY (EAST) ELEVATION
SCALE: 1/16"=1'-0"

2 / A2.0 QUINCE ORCHARD ROAD (NORTH) ELEVATION
SCALE: 1/16"=1'-0"

3 / A2.0 WEST ELEVATION (VIEW FROM COLONADE)
SCALE: 1/16"=1'-0"

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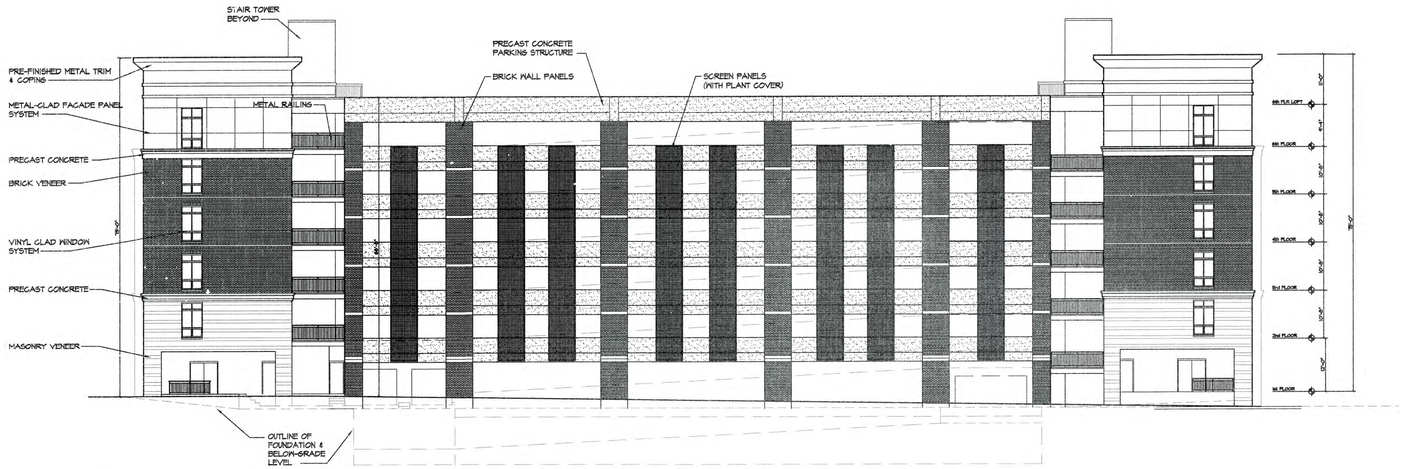
SHEET TITLE:

EXTERIOR ELEVATIONS

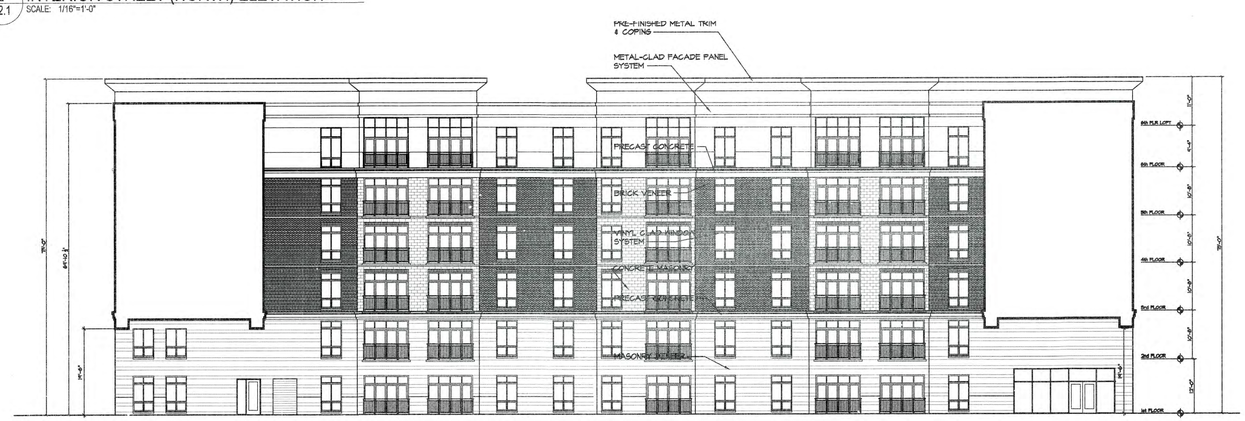
SHEET NUMBER:

A2.0



1 / A2.1 SOUTH ELEVATION (VIEW FROM SHOPPING CENTER)
SCALE: 1/16"=1'-0"

2 / A2.1 INTERIOR STREET (NORTH) ELEVATION
SCALE: 1/16"=1'-0"



3 / A2.1 INTERIOR STREET (SOUTH) ELEVATION
SCALE: 1/16"=1'-0"

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SHEET TITLE:

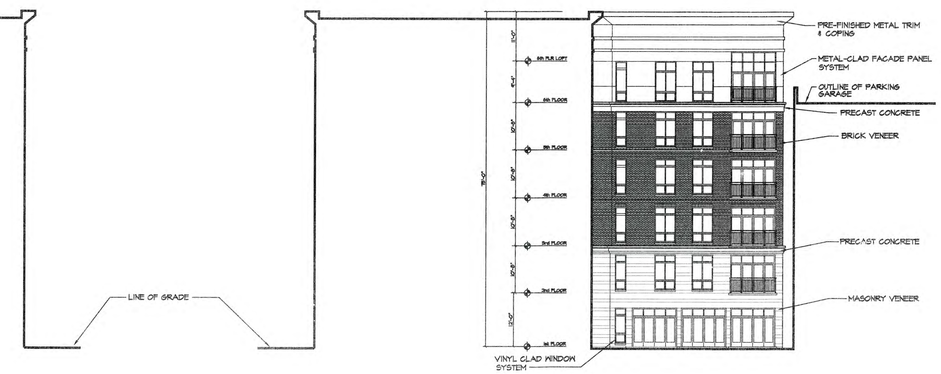
EXTERIOR ELEVATIONS

SHEET NUMBER:

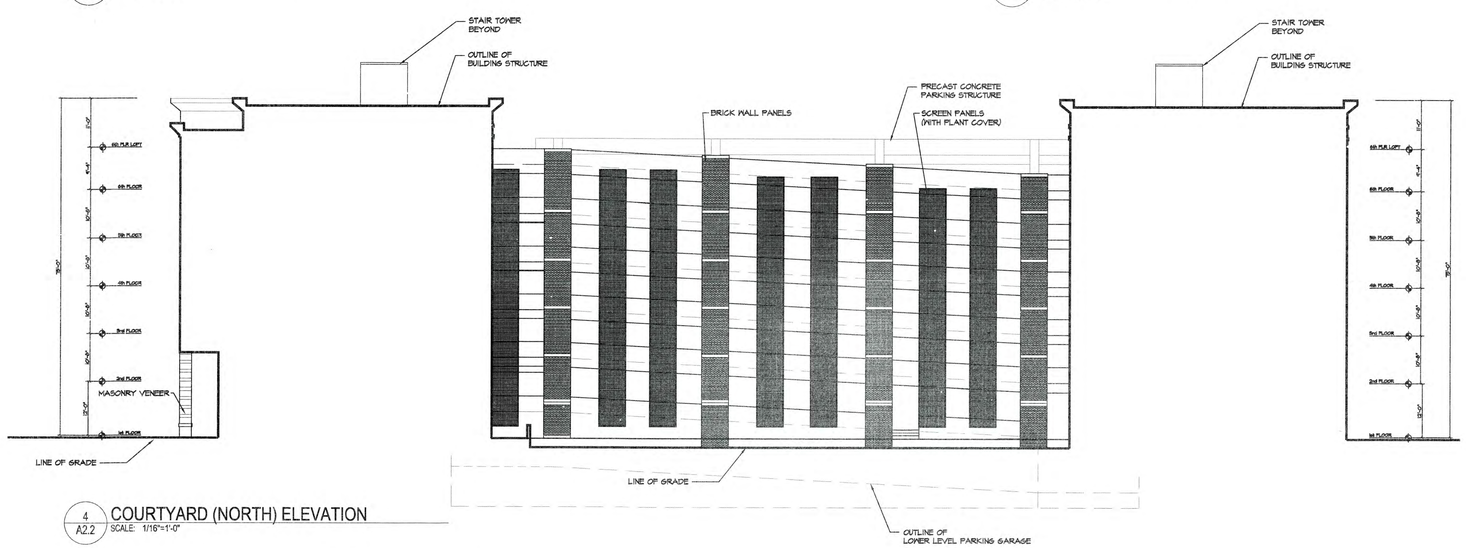
A2.1

1 A2.2 COURTYARD (SOUTH) ELEVATION
SCALE: 1/16"=1'-0"

2 A2.2 COURTYARD (EAST) ELEVATION
SCALE: 1/16"=1'-0"



3 A2.2 COURTYARD (WEST) ELEVATION
SCALE: 1/16"=1'-0"



4 A2.2 COURTYARD (NORTH) ELEVATION
SCALE: 1/16"=1'-0"

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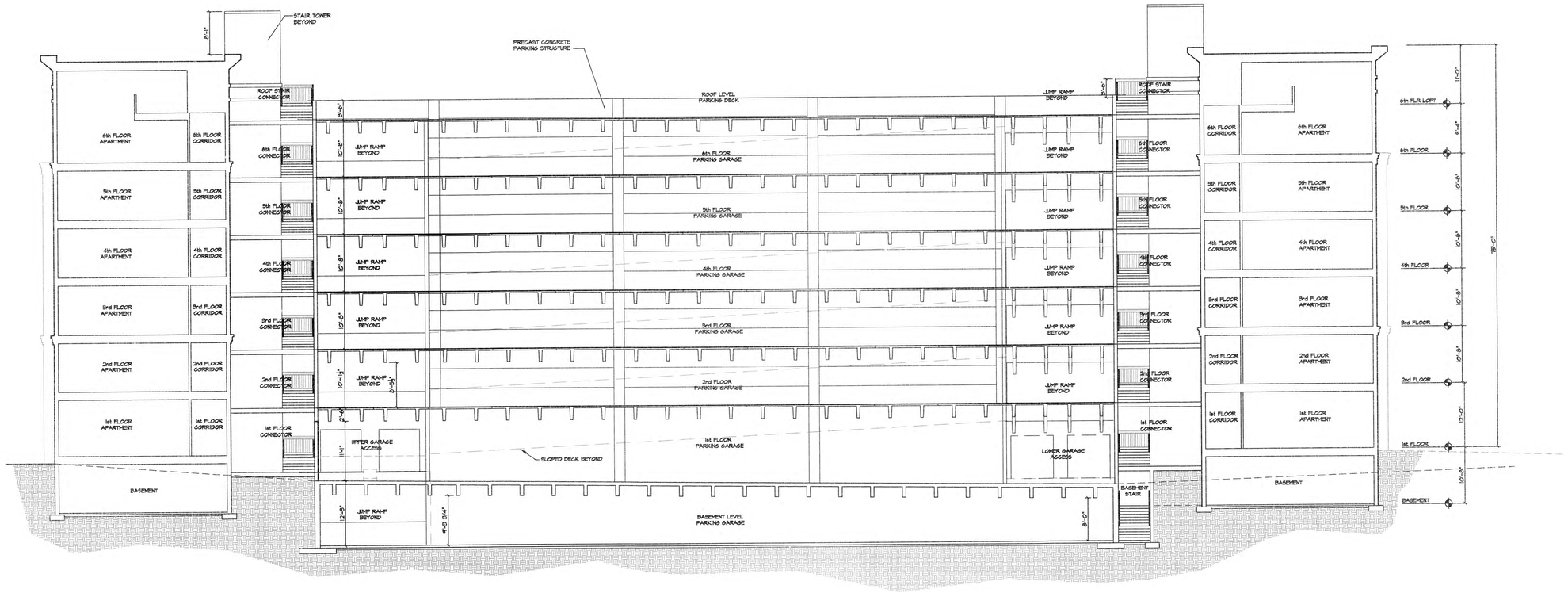
SHEET NUMBER:

A2.2



1 / A2.3 BUILDING SECTION
SCALE: 3/32"=1'-0"

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SHEET TITLE:

BUILDING SECTION

SHEET NUMBER:

A2.3

TRF-7365-2016
7/15/16

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A CHARACTER COUNTS! CITY

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

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plancode@gaithersburgmd.gov · www.gaithersburgmd.gov

TRAFFIC STUDY APPLICATION

All information must be complete to initiate processing of application

SUBJECT PROPERTY

Street Address 913 / 917 Quince Orchard Road, Gaithersburg, Maryland

LOCATION DESCRIPTION South of the intersection of Quince Orchard Road and Great Seneca Highway

PROJECT NAME Kentlands Apartments

APPLICANT/BILLING CONTACT

Business Name Maser Consulting, P.A.

Primary Contact Eduardo Intriago, P.E.

Street Address 22375 Broderick Drive Suite No. 110

City Sterling State Virginia Zip Code 20166

Telephone Numbers: Work 703-430-4330 Cell 571-383-6545 E-mail Address eintriago@maserconsulting.com

OWNER

Business Name S & T Kentlands, LLC

Primary Contact Mr. Preet Takhar

Street Address 11100 South Glen Road Suite No.

City Potomac State Maryland Zip Code 20854

Telephone Numbers: Work 301-428-1070 Ext. 290 Cell 240-463-1737 E-mail Address preet424@gmail.com

DEVELOPER

Business Name S & T Kentlands, LLC

Primary Contact Mr. Preet Takhar

Street Address 11100 South Glen Road Suite No.

City Potomac State Maryland Zip Code 20854

Telephone Numbers: Work 301-428-1070 Ext. 290 Cell 240-463-1737 E-mail Address preet424@gmail.com

ENGINEER

Business Name Maser Consulting, P.A. MD Registration No. 46513

Primary Contact Eduardo Intriago

Street Address 22375 Broderick Drive Suite No. 110

City Sterling State Virginia Zip Code 20166

Telephone Numbers: Work 703-430-4330 Cell 571-383-6545 E-mail Address eintriago@maserconsulting.com

SUBMITTAL TYPE ☒ Preliminary ☐ Final

PROJECT DESCRIPTION

Proposed 296 apartment complex with its associated infrastructure

Number of Peak Hour Trips Generated by the Site 142

Joint Hearing - MCC & PC
SDP-7362-2016
Exhibit #17

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September 16, 2016

Joint Hearing - MCC & PC
SDP-7362-2016
Exhibit #18

Mr. Eduardo J. Intriago
Senior Project Manager
Maser Consulting, P.A.
22375 Broderick Drive, Suite 110
Sterling, Virginia 20166

RE: Kentlands Apartments
Gaithersburg, Maryland
Our Job No.: 2015-1003

Dear Mr. Intriago:

The Traffic Group, Inc has had an opportunity to review the proposed site plan layout for the Kentlands Apartments project to be located in the southwest quadrant of the MD 124 & MD 119 intersection in Gaithersburg, Maryland. Access to this property is proposed by way of a right-in/right-out access along the southbound lanes of MD 119 (Great Seneca Highway) and by a continuation of Arch Place into the site. Arch Place intersects with Booth Street and Granite Place which both provide access to MD 124 west of the subject property.

Parking for the subject facility will be provided in a 7-level parking structure on the southern end of the site. The internal roadways serving the property are generally 24 ft in width with the exception of the connections to the rear of the building and the parking structure which vary between 24 ft and 20 ft. In the front of the building, there is a 16 ft drop-off area at the main entrance to the building. A review of the layout of the road network indicates that sufficient circulation will exist within the property.

The connection of the internal road and the access from MD 119 creates a four-way intersection. Because of its close proximity to MD 119, it is recommended that this intersection be signed as an all-way stop condition with the exception of the inbound movement from MD 119. In doing so, allowing the inbound traffic from MD 119 to have a continuous movement into the site will prevent the need for these vehicles to stop which could create a backup of vehicles onto MD 119. The plan reflects the placement of "STOP" signs and stop bars to provide this operation. On the northern end of the property, the Arch Place connection to the property directly adjacent to the west, will be a continuous thru movement with the northbound roadway coming from the parking structure controlled by a "STOP" sign and stop bar. These are also reflected on the proposed site plan. Based on this layout, we believe traffic circulation is sufficient and safe for the subject property.

The site layout identifies the location of proposed sidewalks and pedestrian facilities planned for the subject property. Based on our review of this plan, it appears that sidewalks are a minimum width of 5 ft, which is required to be compliant with ADA Requirements, and are provide on the perimeter of the entire building. In addition,

handicap ramps have been proposed at all locations along the internal roadways where there is potential for pedestrian crossings. Therefore, we feel that the pedestrian circulation on this site is sufficient and would be compliant with ADA Requirements.

The final issue is the connection from the subject property to the Kentland Square shopping center directly to the south of the subject site. There is a proposed connection between these two properties which is located in the rear of the stores in the shopping center. This connection is primarily to allow for ingress and egress from the proposed project by way of an inter parcel connection to the Shopping Center. It is not anticipated that this would be a very heavily utilized connection and, therefore, would not cause any congestion on the existing layout and parking areas for the shopping center or the proposed traffic circulation planned on the subject property.

Based on our review of the proposed layout for the subject site, it would appear that traffic and pedestrian circulation and safety has been adequately addressed and is compliant with ADA Requirements for the subject site.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Glenn Cook

Glenn E. Cook
Vice President

GEC:smb

(F:\2015\2015-1003_Kentlands Apartments\DOCS\CORRESP\ANALYST\Site Plan Review Ltr_Intriago.docx)

Kentlands Apartments

Gaithersburg, Maryland
December 9, 2015

Traffic Impact Analysis

Prepared for:

Mr. Preet Takhar
11805 Centurion Way
Potomac, Maryland 20854

The Traffic Group

Joint Hearing - MCC & PC
SDP-7362-2016
Exhibit #19

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APPENDIX A – Intersection Turning Movement Counts and Aerial Photos

APPENDIX B – Intersection Capacity Analysis Worksheets

APPENDIX C – Trip Assignment for Approved Developments

APPENDIX D – Transit Maps and Schedules

Prepared by: Glenn E. Cook, Vice President
Shulin Li, P.E., PTOE

GEC:rek
(F:\2015\2015-1003_Kentlands Apartments\DOCS\REPORTS\INITIAL\TIS.docx)

INTRODUCTION AND SUMMARY OF FINDINGS

Study Purpose

The primary purpose of this Traffic Impact Analysis is to determine what impact the proposed development of the Kentlands Apartments, planned in the southwest quadrant of the MD 119 and MD 124 intersection, would have on the adjacent road network in Gaithersburg, Maryland. This property is planned to be redeveloped with 300 apartment units.

Study Criteria/Methodology

This Traffic Impact Analysis has been prepared in accordance with the procedures required by the City of Gaithersburg and the Maryland State Highway Administration. The study has been prepared in accordance with the scope established by the City of Gaithersburg for this project. Copies of correspondence outlining the scope are contained in Appendix A.

Intersection Capacity Analyses were conducted using the Critical Lane Volume (CLV) Methodology as required by the City of Gaithersburg and the Maryland State Highway Administration. The Trip Generation determinations for this project are based on the Trip Generation rates established by the Maryland-National Capital Park and Planning Commission (M-NCPPC) and the Institute of Transportation Engineers (ITE) Trip Generation Report (9th Edition).

Scope of Services

The scope of services undertaken as part of this report were as follows:

1. Conduct a field investigation to collect physical information concerning the nearby road system.

2. Conduct Intersection Turning Movement Counts from 6:30-9:30 AM and 4-7 PM at five intersections in the vicinity of the site.

3. Obtain information from the City of Gaithersburg relative to other approved developments planned in the vicinity of the subject site.

4. Conduct a Trip Generation and Trip Distribution Analysis for the traffic to be generated by the other nearby developments.

5. Conduct a Trip Generation and Trip Distribution Analysis for the proposed development of the subject site.

6. Have preliminary discussions with the Maryland State Highway Administration relative to proposed access to MD 119.

7. Conduct Intersection Capacity Analyses to determine existing and projected Levels of Service at the study area intersections.

Summary of Findings and Recommendations

The results of the analysis undertaken as part of this report indicate that the proposed development of 300 apartment units on the subject site will not have an adverse effect on the nearby road system. All of the study area intersections are projected to operate within the congestion requirements established by the City of Gaithersburg.

Based on preliminary discussions with the Maryland State Highway Administration, it is anticipated that a Right/In-Right/Out access will be permitted to the subject property along MD 119.

The methodology used to undertake our analysis is contained in the sections to follow.

EXISTING TRAFFIC CONDITIONS

Site Information

The subject site is located in the southwest quadrant of the MD 119 and MD 124 intersection in Gaithersburg, Maryland as shown on Exhibit 1.

Existing Road Network

MD 119 (Great Seneca Highway) is a four-lane divided north-south roadway in the vicinity of the subject property. The posted speed limit along MD 119 in the vicinity of the subject site is 50 MPH.

MD 124 is a four-lane east-west roadway in the vicinity of the subject property. The posted speed limit along MD 124 is 40 MPH.

The study area intersections along MD 124 at Kentlands Boulevard/Longdraft Road and at MD 119 are both signalized intersections.

Exhibit 2 has been prepared to show the existing lane use and traffic control at each of the study area intersections.

Existing Traffic Counts

Intersection Turning Movement Counts were conducted from 6:30-9:30 AM and 4-7 PM at the following intersections:

1. MD 124 and Kentlands Boulevard/Longdraft Road
2. MD 124 and Booth Street
3. MD 124 and Right-In/Right-Out Access to the Apartment Building
4. MD 124 and MD 119
5. Booth Street and Arch Place

The total vehicles observed during these counts are shown on the summary sheets contained in Appendix A to this report. The existing peak hour volumes are shown in Exhibit 3.

Existing Pedestrian and Bike Facilities

Exhibit 3A has been prepared to show the location of existing sidewalks along the study area roadways. Pedestrian counts were also conducted at the study area intersections and the summaries are contained in Appendix A.

Also shown on Exhibit 3A are the location of pedestrian crosswalks, ADA pedestrian ramps, and pedestrian signals and pushbuttons at each of the study area intersections.

Contained in Appendix A is a copy of Existing and Approved Bicycle Facilities in the vicinity of the site.

Transit Facilities

The roadways adjacent to the subject site are served by the Montgomery County Ride-On Bus Network. Exhibit 3B was prepared to show the location of the existing Bus Stops in the vicinity of the site for Routes #56 and #74. Copies of the entire Route Maps and the Time Schedules for each Route are contained in Appendix D.

Analysis of Existing Traffic Conditions

Intersection Capacity Analyses were conducted for each of the study area intersections and the results are shown in Exhibit 11. Copies of the capacity worksheets are contained in Appendix B to this report.

A review of Exhibit 11 indicates that all of the study area intersections are currently operating at Levels of Service within the congestion standard of 1,450 CLVs for the City of Gaithersburg.

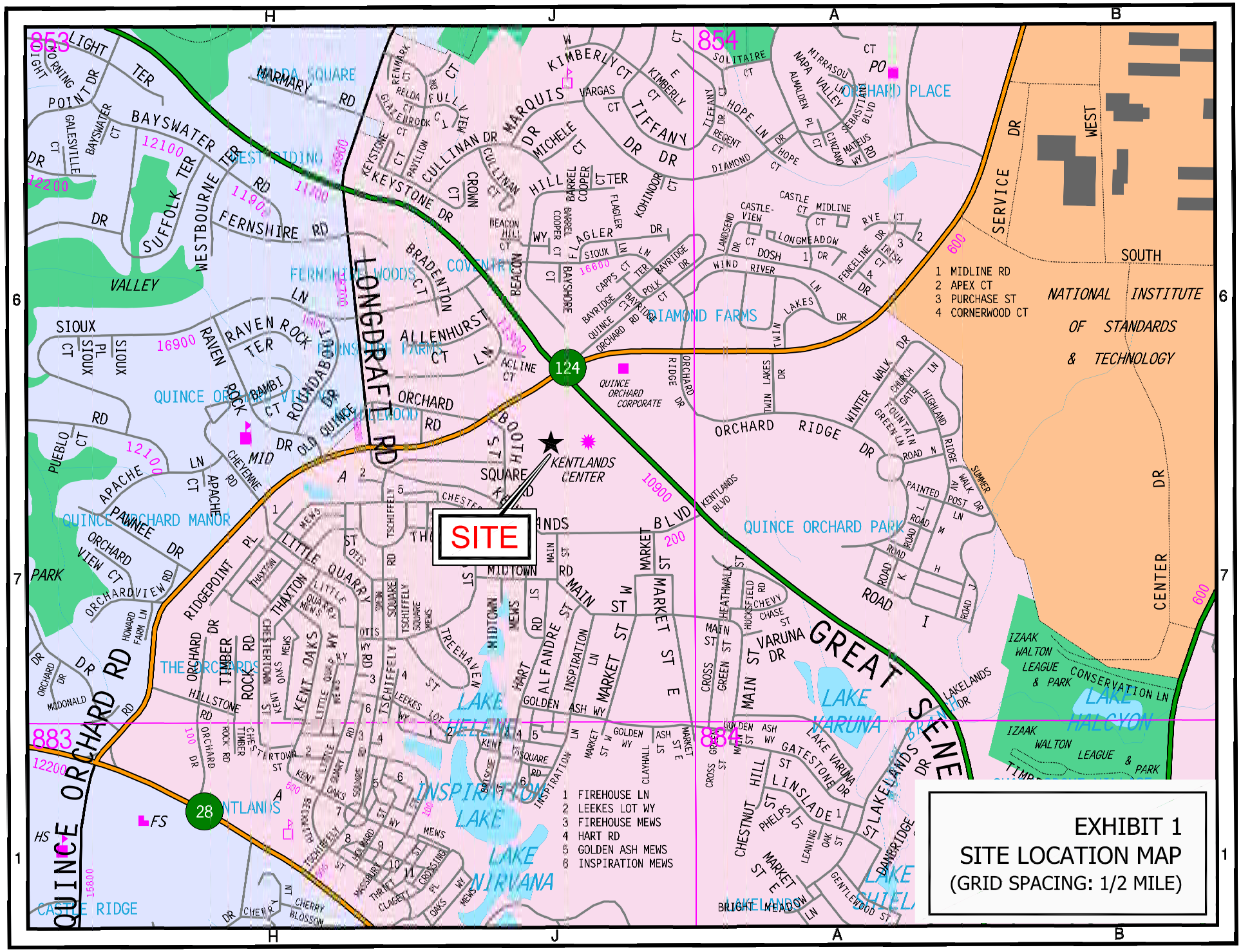

EXHIBIT 1
SITE LOCATION MAP
(GRID SPACING: 1/2 MILE)

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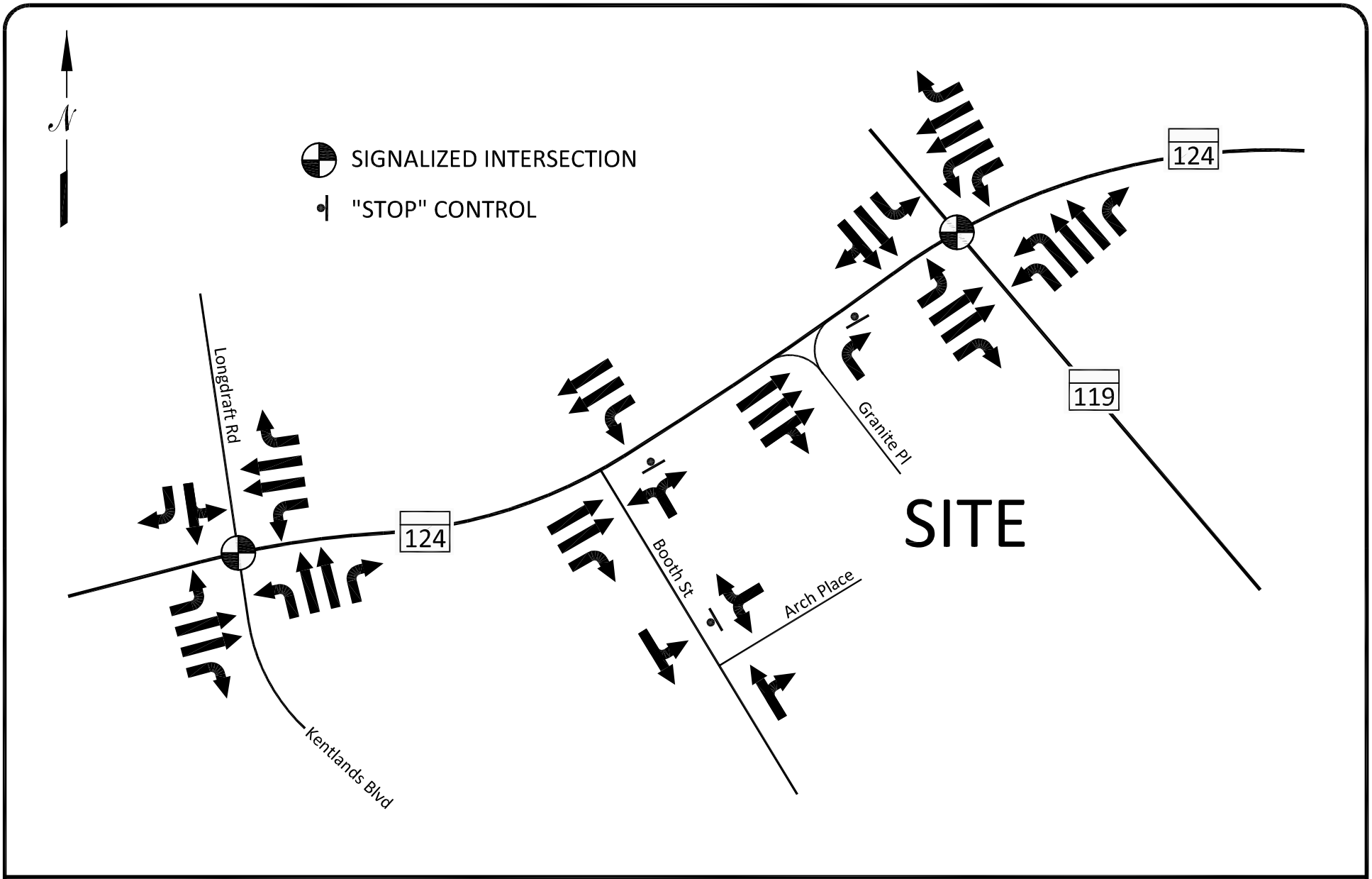

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EXHIBIT 2
EXISTING LANE USE

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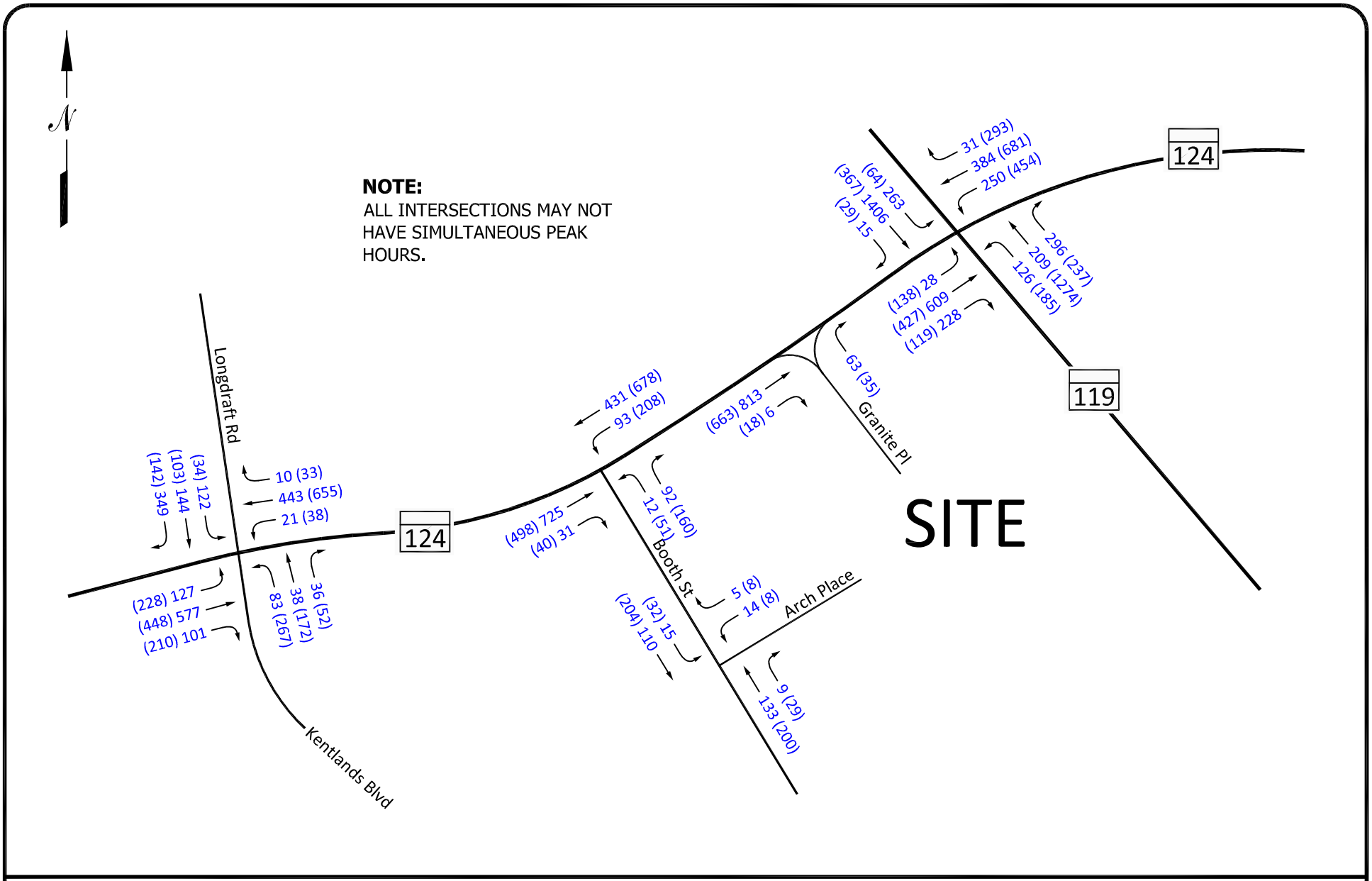

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00 - MORNING PEAK HOUR
(00) - EVENING PEAK HOUR

EXHIBIT 3
EXISTING PEAK HOUR
TRAFFIC VOLUMES

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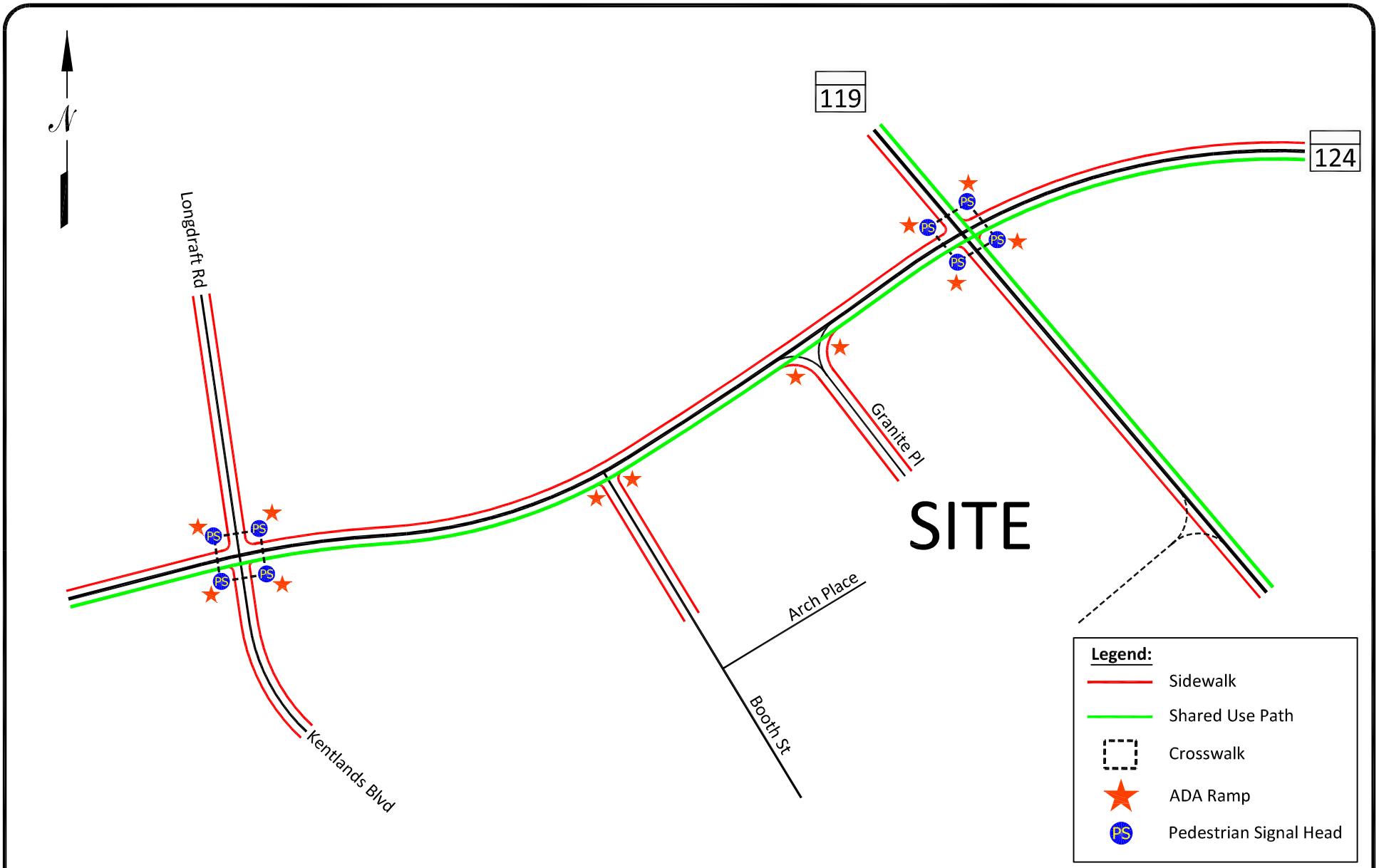

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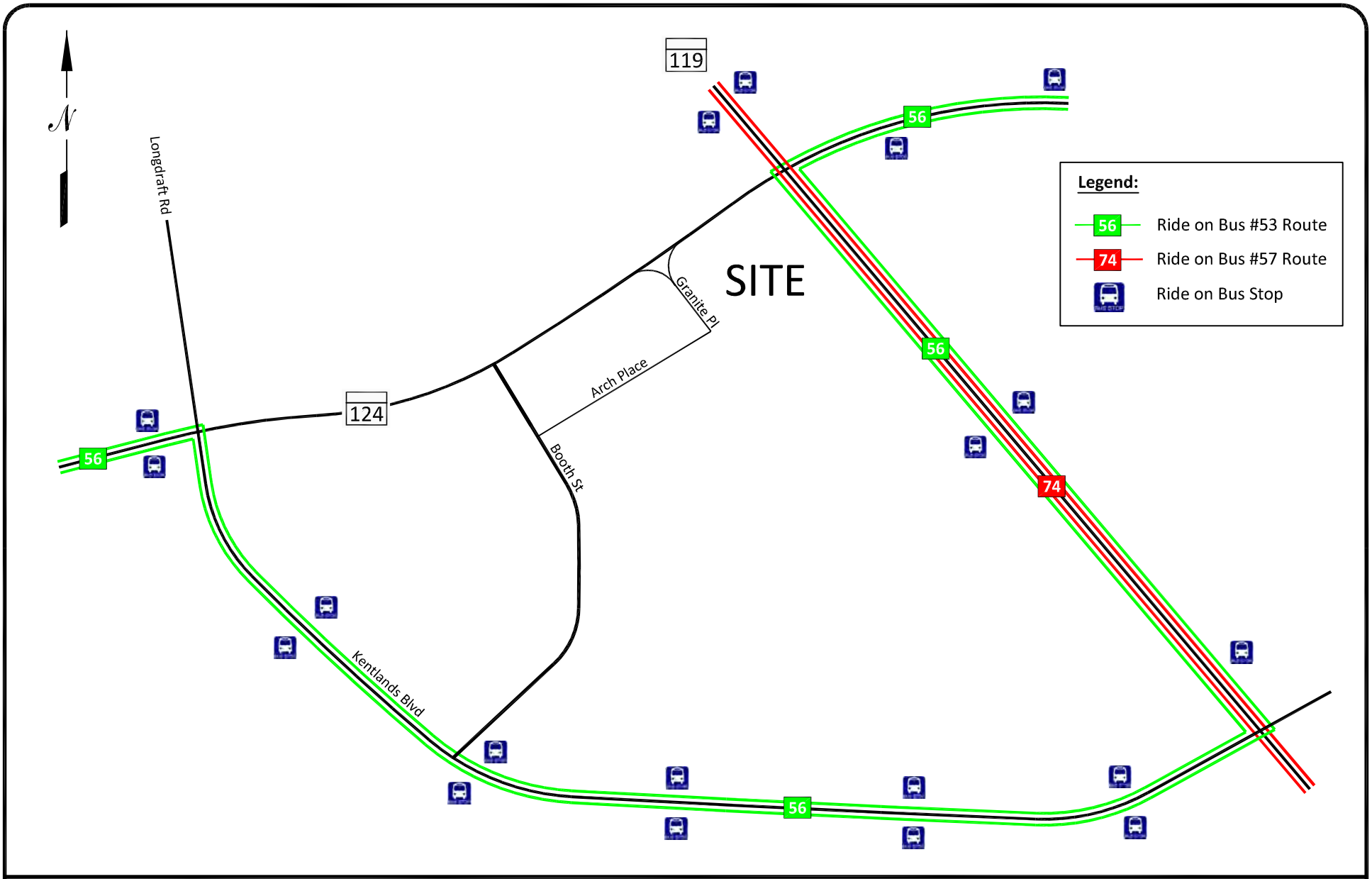
EXHIBIT 3A
PEDESTRIAN FACILITIES



NOT TO SCALE

EXHIBIT 3B
EXISTING TRANSIT SERVICE

BACKGROUND TRAFFIC CONDITIONS

The subject site is presently developed. However, a portion of this site is being used as a parking lot while the remainder has a restaurant which is no longer open for business.

Nearby Approved Developments

Based on information provided by the City of Gaithersburg, we have prepared Exhibit 4 to show the location of other approved developments planned in the vicinity of the subject site. A list of these developments was also provided along with the planned development for each site. A copy of this information is contained in Appendix C.

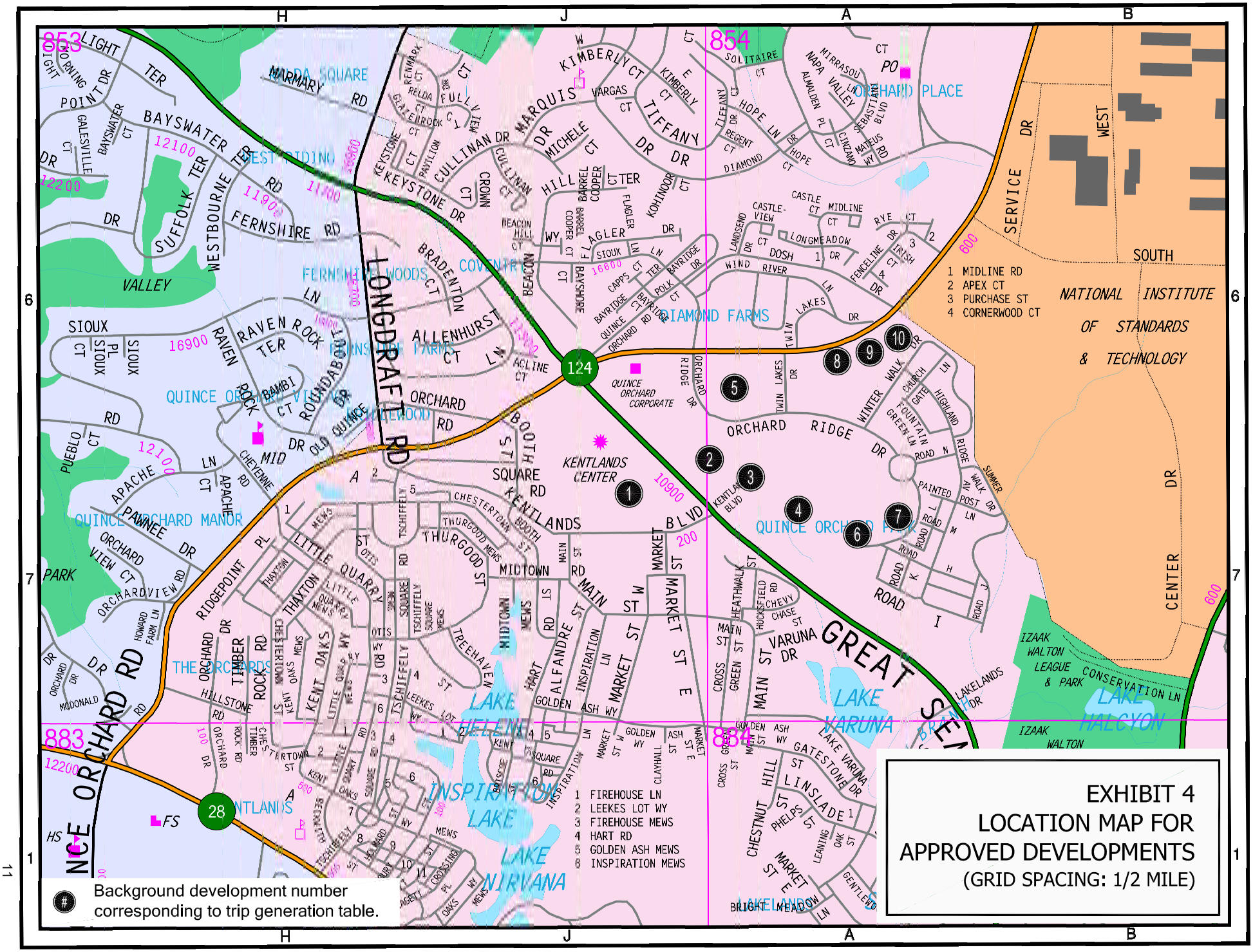
We then consulted the M-NCPPC Trip Generation tables and the ITE Trip Generation Report (9th Edition) to prepare Exhibit 5 which shows the trip generation rates for each of the uses and the peak hour trips projected to be generated by the other nearby developments. The peak hour trips projected to be generated by each of the other nearby developments were then distributed and assigned to the road system as shown in the exhibits contained in Appendix C to this report. The combined peak hour trips to be generated by the other nearby developments are shown on Exhibit 6.

Combining the trips to be generated by the nearby developments, with the existing traffic volumes, results in the Background Peak Hour Volumes shown on Exhibit 7.

Analysis of Background Traffic Conditions

Intersection Capacity Analyses were conducted for each of the study area intersections based on the Background Traffic Conditions, and the results are shown in Exhibit 11. Copies of the capacity worksheets are contained in Appendix B.

A review of Exhibit 11 indicates that all the study area intersections are projected to continue to operate at acceptable Levels of Service based on the Background Traffic Conditions in this area.



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TRIP GENERATION FOR BACKGROUND DEVELOPMENTS

TRIP RATES / FORMULAE	IN/OUT
Home Improvement Superstore (ksf, ITE-862)	
Morning Trips = 1.49 x ksf	57/43
Evening Trips = 2.33 x ksf	49/51
General Office (Montgomery County, ≥ 25 ksf)	
Morning Trips = (1.70 x KSF) - 8	87/13
Evening Trips = (1.44 x KSF) + 20	17/83
Single-Family Units (Montgomery County, <75 Units)	
Morning Trips = (0.95 x Units)	25/75
Evening Trips = (1.11 x Units)	64/36
Townhouses (Montgomery County, <100 Units)	
Morning Trips = (0.48 x Units)	17/83
Evening Trips = (0.83 x Units)	67/33

TRIP TOTALS	MORNING PEAK HOUR			EVENING PEAK HOUR		
	IN	OUT	TOTAL	IN	OUT	TOTAL
1. LOWE'S - ADDITION						
Home Improvement Superstore (ksf, ITE-862)						
2,200 sq.ft.	2	1	3	2	3	5
2. MEDIMMUNE - AREA 5						
General Office (Montgomery County, ≥ 25 ksf)						
142,000 sq.ft.	203	30	233	38	186	224
3. MEDIMMUNE - AREA 6						
General Office (Montgomery County, ≥ 25 ksf)						
250,000 sq.ft.	363	54	417	65	315	380
4. MEDIMMUNE - THE RIDGES						
General Office (Montgomery County, ≥ 25 ksf)						
908,000 sq.ft.	1336	200	1536	226	1102	1328

NOTE: M-NCPPC trip rates and ITE Trip Generation 9th Edition

EXHIBIT 5
TRIP GENERATION FOR
BACKGROUND DEVELOPMENTS

sli, 151003\initial\trips.xlsx-back1, f10/28/15

TRIP GENERATION FOR BACKGROUND DEVELOPMENTS

TRIP TOTALS	MORNING PEAK HOUR			EVENING PEAK HOUR		
	IN	OUT	TOTAL	IN	OUT	TOTAL
5. MEDIMMUNE - THE SUMMIT						
General Office (Montgomery County, ≥ 25 ksf)						
298,000 sq.ft.	434	65	499	76	373	449
6. MEDIMMUNE - THE MEADOWS						
General Office (Montgomery County, ≥ 25 ksf)						
280,000 sq.ft.	407	61	468	72	351	423
7. MEDIMMUNE DAY CARE (MEADOWS)						
Day Care Center (for employees only, staff of 25)						
Trip generation assuming all staff come and leave in the peak hours						
25 teachers	25	3	28	3	25	28
8. VISTAS DETACHED						
Single-Family Units (Montgomery County, <75 Units)						
13 units	3	9	12	9	5	14
9. VISTAS TOWNHOUSE						
Townhouses (Montgomery County, <100 Units)						
38 units	3	15	18	21	11	32
10. VISTAS 2/2 CONDOS						
Townhouses (Montgomery County, <100 Units)						
32 units	3	12	15	18	9	27

NOTE: M-NCPPC trip rates and ITE Trip Generation 9th Edition

EXHIBIT 5, cont'd
TRIP GENERATION FOR
BACKGROUND DEVELOPMENTS

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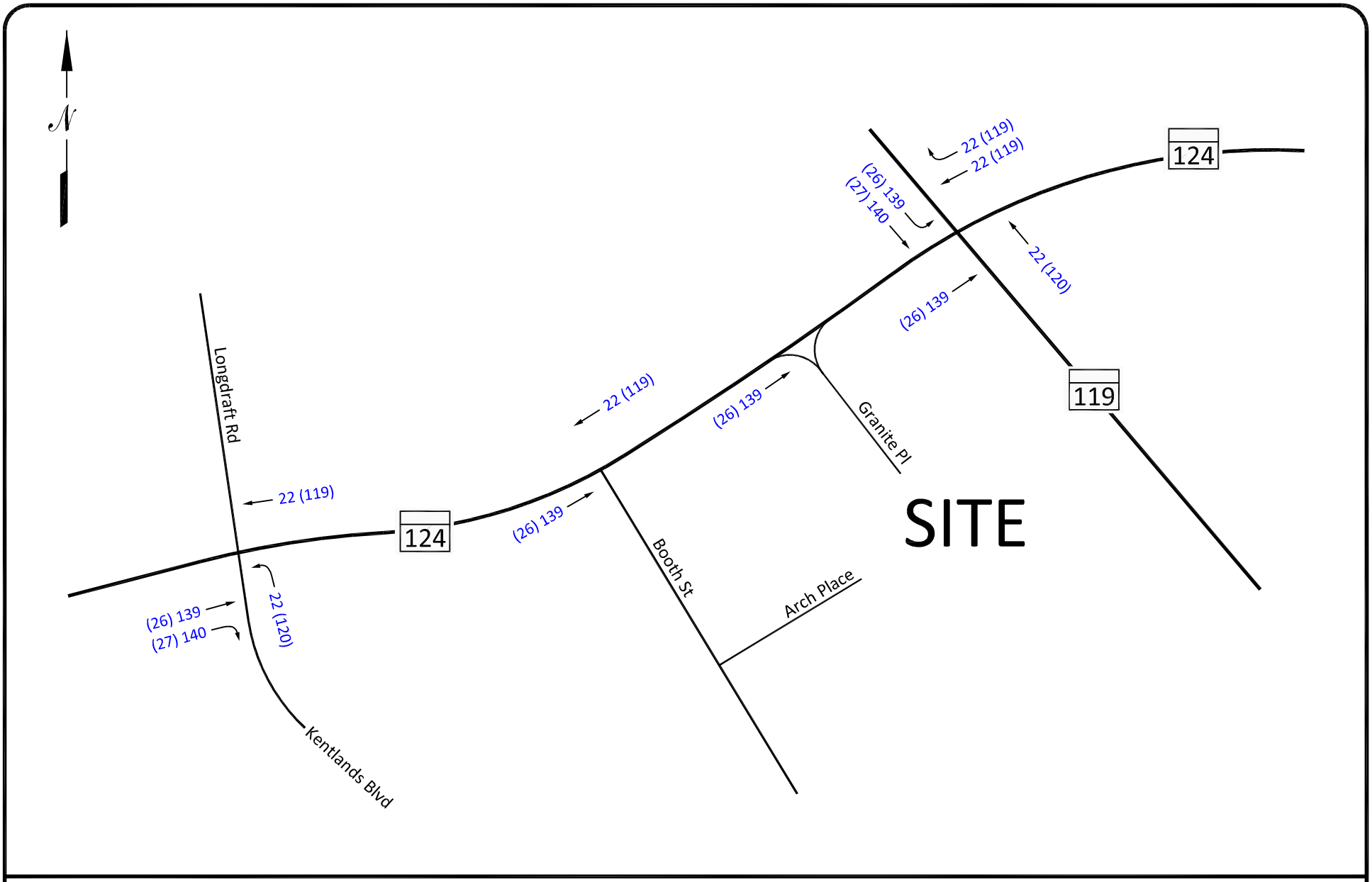

NOT TO SCALE

00 - MORNING PEAK HOUR
(00) - EVENING PEAK HOUR

EXHIBIT 6
COMBINED TRIPS GENERATED
BY APPROVED DEVELOPMENTS

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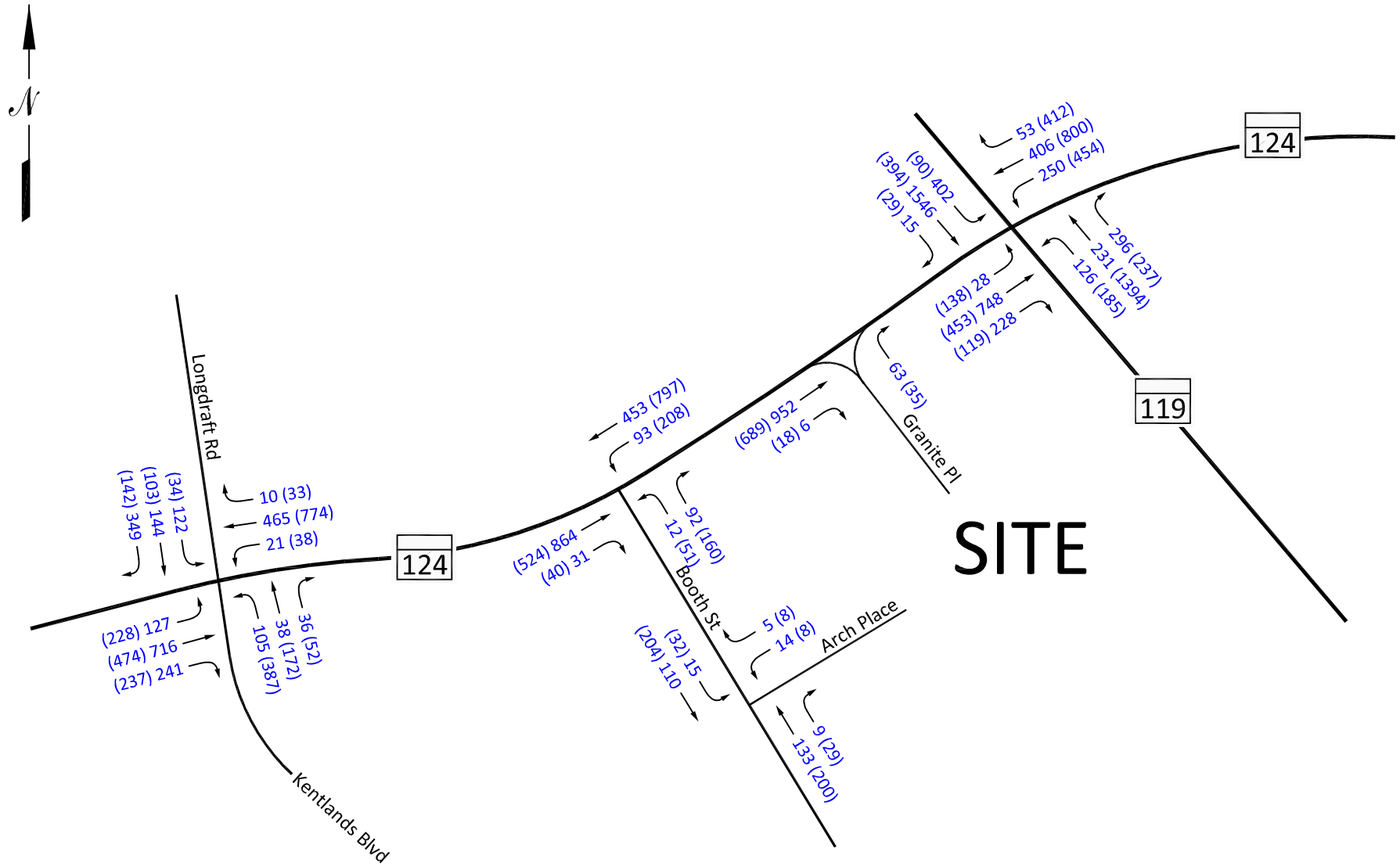

NOT TO SCALE

00 - MORNING PEAK HOUR
(00) - EVENING PEAK HOUR

EXHIBIT 7
BACKGROUND PEAK
HOUR TRAFFIC VOLUMES

sli, 151003_kentlands apartments\initial\kentlandsapts.dwg-back1, f11/17/2015

TOTAL TRAFFIC CONDITIONS

Site Information

The subject site is located in the southwest quadrant of the MD 119 and MD 124 intersection. This site is currently developed with a parking lot for the adjacent residential community and an abandoned restaurant site. Access to this property is currently along Arch Place through the adjacent residential complex. Arch Place intersects Granite Place that provides a connection to MD 124 to the north by way of a right-in/right-out access. Arch Place also continues beyond Granite Place and intersects with Booth Street.

The proposed plan for this site is for the development of 300 apartment units. Access to the apartments will continue to be along Arch Place as discussed above. It should be noted however, that positive discussions have been held with the Maryland State Highway Administration, and it is proposed that a Right-In/Right-Out access is also proposed to the subject site along MD 119. This access has been assumed in this analysis.

Trip Generation/Distribution

To determine the Trip Generation for the subject site, we consulted the M-NCPPC Trip Generation Tables to prepare Exhibit 8 which shows the peak hour trips projected to be generated by the 300 apartment units. The peak hour trips shown in Exhibit 8 were then distributed and assigned to the nearby road system as shown in Exhibit 9.

Combining the trips projected to be generated by the proposed apartment units with the Background Traffic Conditions results in the Total Traffic Volumes shown on Exhibit 10.

Analysis of Total Traffic Conditions

Intersection Capacity Analyses were conducted for each of the study area intersections based on the Total Traffic Conditions, and the results are shown in Exhibit 11. Copies of the Capacity Worksheets are contained in Appendix B to this report.

A review of Exhibit 11 indicates that all of the area intersections are projected to operate at satisfactory Levels of Service with the development of the subject site as proposed.

TRIP GENERATION FOR BACKGROUND DEVELOPMENTS

TRIP RATES / FORMULAE	IN/OUT
Garden/Low-Rise Apartments (Montgomery County, ≥75 Units)	
Morning Trips = (0.40 x Units) + 3	20/80
Evening Trips = (0.47 x Units) + 1	66/34

TRIP TOTALS	MORNING PEAK HOUR			EVENING PEAK HOUR		
	IN	OUT	TOTAL	IN	OUT	TOTAL
Kentlands Apartments						
Garden/Low-Rise Apartments (Montgomery County, ≥75 Units)						
300 units	25	98	123	94	48	142

NOTE: M-NCPPC trip rates.

EXHIBIT 8
TRIP GENERATION FOR
KENTLANDS APARTMENTS

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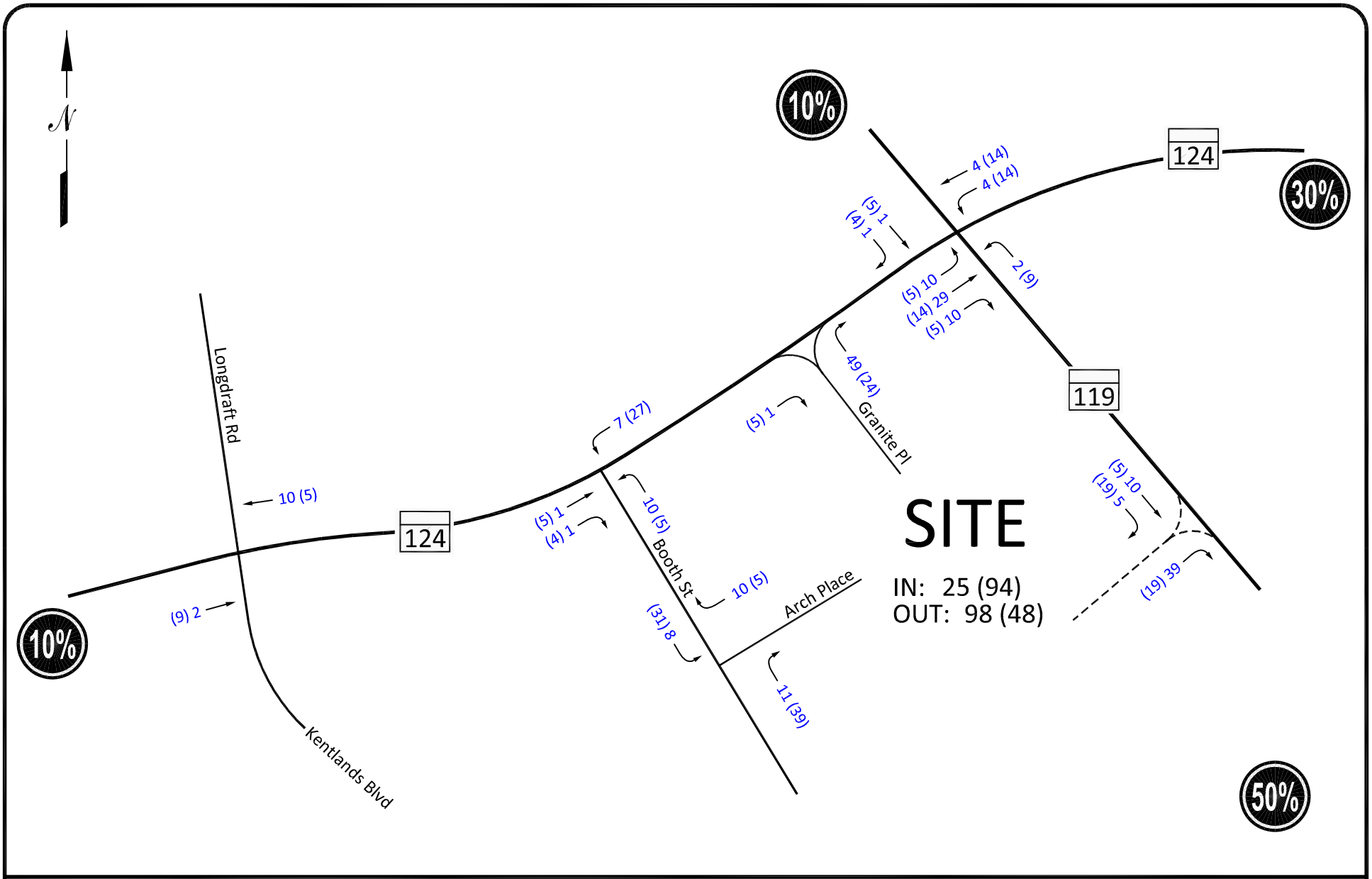

NOT TO SCALE

00 - MORNING PEAK HOUR
(00) - EVENING PEAK HOUR

EXHIBIT 9
TRIP ASSIGNMENT FOR
KENTLANDS APARTMENTS

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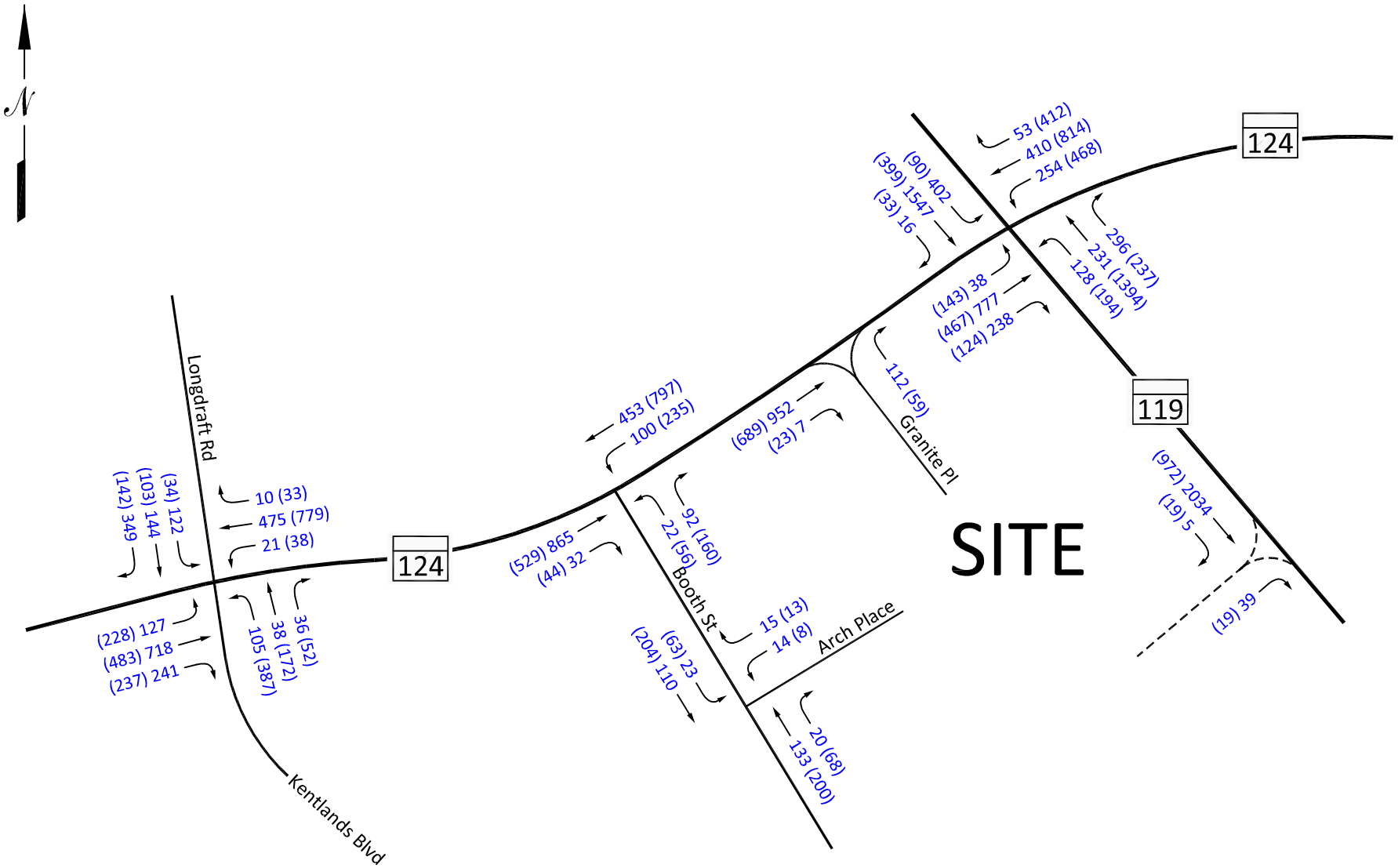

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00 - MORNING PEAK HOUR
(00) - EVENING PEAK HOUR

EXHIBIT 10
TOTAL PEAK HOUR
TRAFFIC VOLUMES

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RESULTS, RECOMMENDATIONS, AND CONCLUSIONS

Study Purpose

The primary purpose of this Traffic Impact Analysis was to determine what impact the proposed development of the Kentlands Apartments planned in the southwest quadrant of the MD 119 and 124 intersection would have on the adjacent road network in Gaithersburg, Maryland. This property is planned to be redeveloped with 300 apartment units.

Study Criteria/Methodology

This Traffic Impact Analysis has been prepared in accordance with the procedures required by the City of Gaithersburg and the Maryland State Highway Administration for the conduct of a Traffic Impact Study. The parameters for this study were established by the City of Gaithersburg. A copy of correspondence between The Traffic Group and the City of Gaithersburg, outlining the proposed scope, is contained in Appendix A.

Intersection Capacity Analyses were conducted using the CLV Methodology as required by the City of Gaithersburg and the Maryland State Highway Administration. The Trip Generation determinations for this project are based on the Trip Generation rates established by M-NCPPC and the ITE Trip Generation Report.

Summary of Findings and Recommendations

The results of the analysis undertaken as part of this report, indicates that the proposed development of 300 apartment units on the subject site will not have an adverse effect on the nearby road system and would comply with the requirements of the City of Gaithersburg. Based on the discussions with the Maryland State Highway Administration, it is anticipated that a Right-In/Right-Out access will be permitted to the subject property along MD 119.

RESULTS OF INTERSECTION CAPACITY ANALYSIS

	MORNING PEAK HOUR TRAFFIC		
	EXISTING	BACKGR'D	TOTAL
1. MD 124 & Kentlands Boulevard	A/711	A/771	A/773
2. MD 124 & Booth Street	A/581	A/655	A/672
3. MD 124 & Granite Place	A/366	A/417	A/467
4. MD 124 & MD 119	C/1276	D/1423	D/1443
5. Arch Place & Booth Street	A/176	A/176	A/205
6. Site Access & MD 119	----	----	B/1120

	EVENING PEAK HOUR TRAFFIC		
	EXISTING	BACKGR'D	TOTAL
1. MD 124 & Kentlands Boulevard	A/979	C/1162	C/1165
2. MD 124 & Booth Street	A/683	A/697	A/731
3. MD 124 & Granite Place	A/287	A/297	A/322
4. MD 124 & MD 119	C/1238	D/1391	D/1403
5. Arch Place & Booth Street	A/277	A/277	A/352
6. Site Access & MD 119	----	----	A/544

NOTE:

1. Background Traffic is derived from combining Existing Traffic and traffic to be generated by approved developments.

2. Total Traffic is derived from combining Background Traffic and traffic to be generated by site.

The Traffic Group®

EXHIBIT 11
RESULTS OF INTERSECTION
CAPACITY ANALYSIS

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APPENDIX A

Intersection Turning Movement Counts and Aerial Photos

Glenn Cook

From: Ollie Mumpower <OMumpower@gaithersburgmd.gov>
Sent: Monday, October 19, 2015 1:59 PM
To: Glenn Cook
Cc: Trudy Schwarz
Subject: RE: Kentlands Apartments

The study area should be fine with the modification detailed below. Arch Place is the access thru the adjoining property from Booth Street. I have copied Community Planning Manager Trudy Schwarz on this email. Trudy should be able to assist in the compiling of any background traffic.

Ollie K. Mumpower
Engineering Services Division Chief
Department of Public Works
800 Rabbitt Road Gaithersburg, Maryland 20878-1600 301-258-6370 Ext. 106
301-258-6375 FAX
301-258-6430 TTY
omumpower@gaithersburgmd.gov
www.gaithersburgmd.gov

From: Glenn Cook [mailto:gcook@trafficgroup.com]
Sent: Wednesday, October 14, 2015 2:49 PM
To: Ollie Mumpower
Subject: Kentlands Apartments

Hi Ollie!

I hope everything is good with you!

We have been asked to prepare a traffic study for the proposed development of approximately 300 mid-rise apartment units on the property located in the southwest quadrant of the MD 124 & MD 119 intersection. I have attached a picture of the site for your use. This property currently has no direct access to either MD 124 or MD 119. All access is through adjoining properties. We have had a preliminary discussion with SHA at this point and while they have said no to access to MD 124 they said they would entertain looking at a rt in/rt out at the southernmost end of our property. So any study we do will look evaluate it with and without access to MD 119.

I have attached a trip generation table which indicates that the site would generate approximately 123 trips during the morning peak and 142 during the evening peak. Based on this trip generation and the location of access to the site we would suggest the following intersections be studied:

- **MD 124 & Kentlands Boulevard**
- **MD 124 & Booth Street**
- **MD 124 & exist rt-in/rt-out access**
- **MD 124 & MD 119**
- ~~**MD 119 & Kentlands Boulevard**~~
- **Booth Street and Arch Place**

I have also included an aerial that shows the location of the above intersections.

It would be greatly appreciated if you could let us know if this study area is acceptable or not. In addition it would be greatly appreciated if you could let us know if you have any information concerning other developments in the area that would be background for our study.

Thanks Ollie!

Glenn Cook
Vice President
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www.trafficgroup.com

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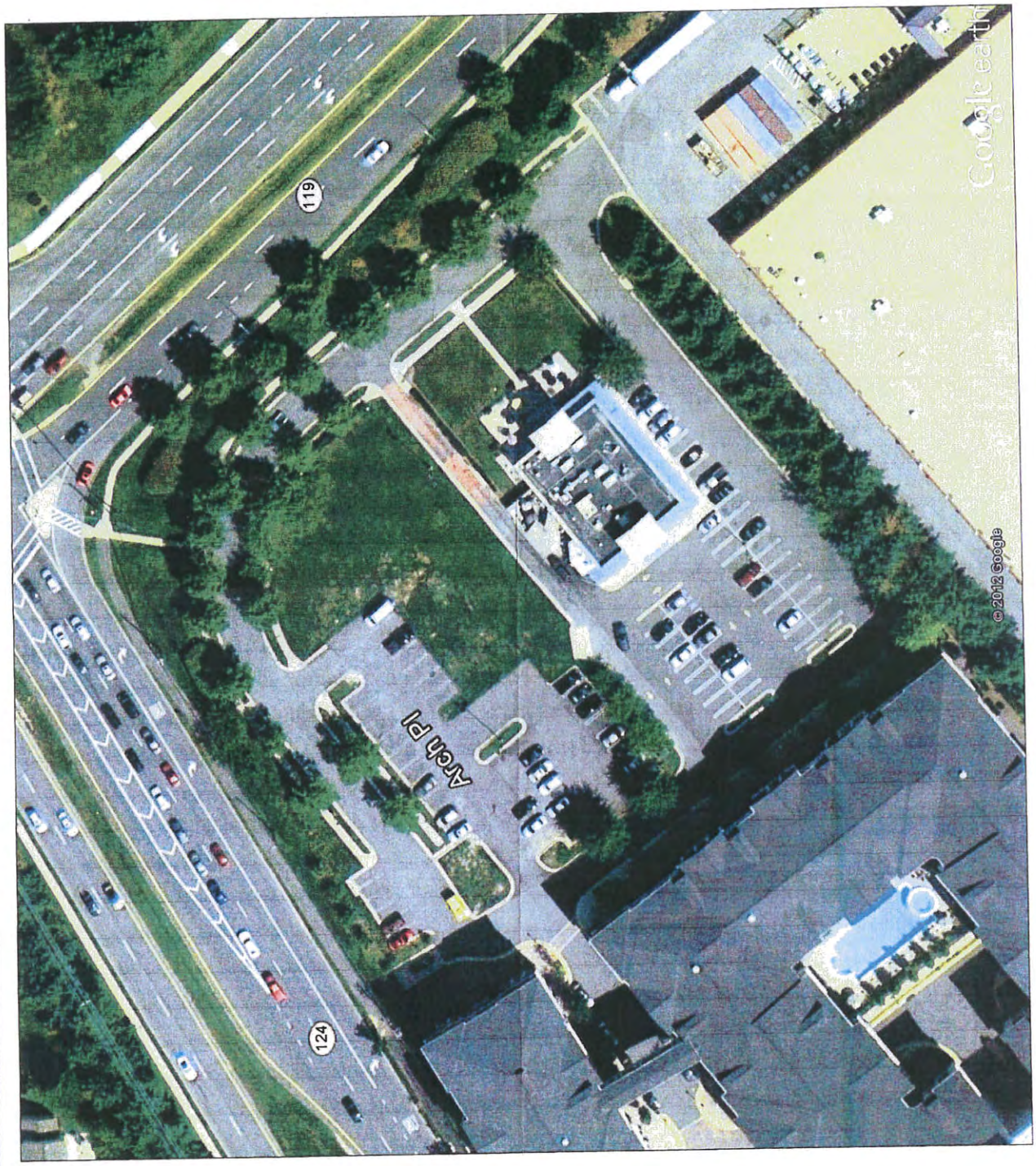
119
124
Arch Pl
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Google earth

TRIP GENERATION FOR 300 MID-RISE APARTMENTS

TRIP RATES / FORMULAE	IN/OUT
Garden/Low-Rise Apartments (Montgomery County, ≥75 Units)	
Morning Trips = (0.40 x Units) + 3	20/80
Evening Trips = (0.47 x Units) + 1	66/34

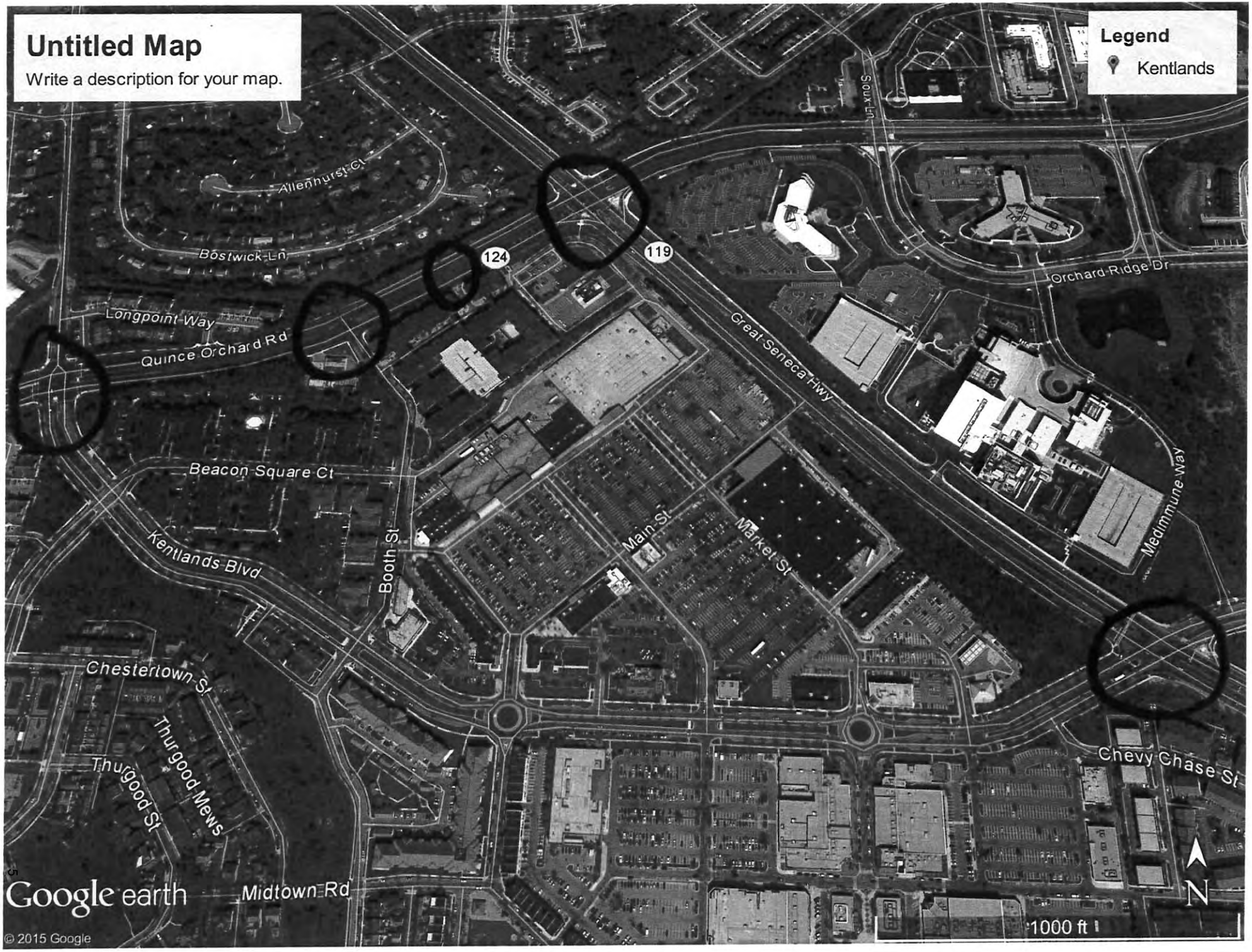
TRIP TOTALS

	MORNING PEAK HOUR			EVENING PEAK HOUR		
	IN	OUT	TOTAL	IN	OUT	TOTAL
Garden/Low-Rise Apartments (Montgomery County, ≥75 Units)						
300 units	25	98	123	94	48	142

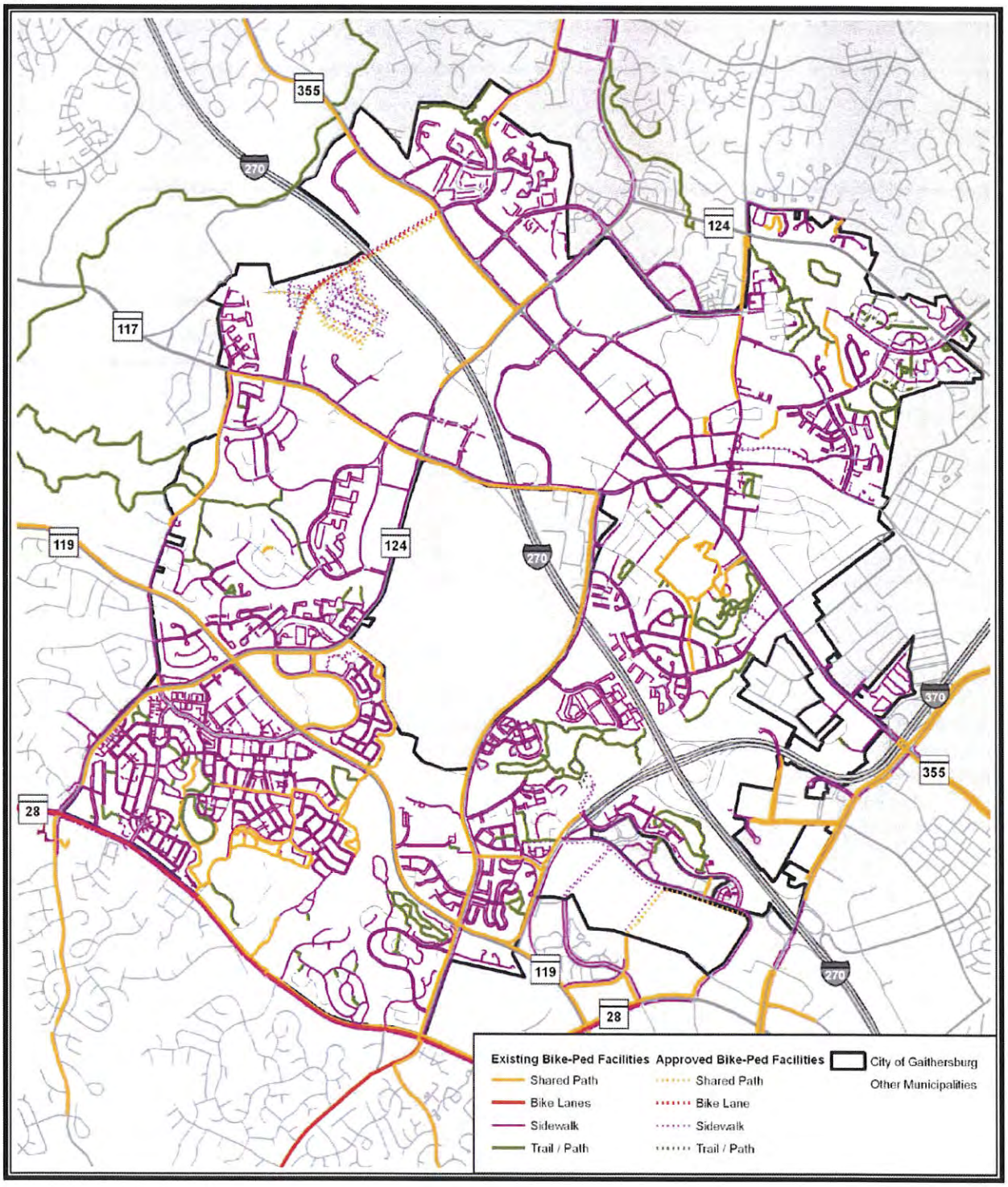
The Traffic Group®

TRIP GENERATION FOR
300 MID-RISE APARTMENTS

sli, c:\user\users\sli\documents\job\300 mid-rise apartments.xlsx-total, c10/14/15


Untitled Map
Write a description for your map.
Legend
Kentlands
Allenhurst Ct
Bostwick Ln
Longpoint Way
Quince Orchard Rd
124
119
Sioux Ln
Orchard Ridge Dr
Great Seneca Hwy
Beacon Square Ct
Kentlands Blvd
Booth St
Main St
Market St
Medimmune Way
Chestertown St
Thurgood Mews
Thurgood St
Chevy Chase St
Midtown Rd
Google earth
© 2015 Google
1000 ft
N

Map 5: Existing and Approved Bicycle and Pedestrian Facilities



Source: City of Gaithersburg

VEHICLES TURNING MOVEMENT COUNT - SUMMARY

Counted by: VCU

Intersection of: MD 124 | **Date: November 03, 2015** | **Tuesday**

and: Kentlands Boulevard | **Weather: Sunny/Warm**

Location: Montgomery County, Maryland | **Entered by: SN** | **Star Rating: 5**

TIME	TRAFFIC FROM NORTH on: Kentlands Boulevard					TRAFFIC FROM SOUTH on: Kentlands Boulevard					TRAFFIC FROM EAST on: MD 124					TRAFFIC FROM WEST on: MD 124					TOTAL N + S + E + W
	RIGHT	THRU	LEFT	U-TN	TOTAL	RIGHT	THRU	LEFT	U-TN	TOTAL	RIGHT	THRU	LEFT	U-TN	TOTAL	RIGHT	THRU	LEFT	U-TN	TOTAL	
AM																					
6:30 - 6:45	23	9	9	0	41	6	5	13	0	24	1	54	0	3	58	5	81	12	1	99	222
6:45 - 7:00	38	9	5	0	52	8	5	8	0	21	2	79	0	1	82	15	78	19	0	112	267
7:00 - 7:15	30	14	13	0	57	7	7	11	0	25	0	87	3	1	91	9	117	11	1	138	311
7:15 - 7:30	86	20	15	0	121	6	5	18	0	29	0	89	1	1	91	16	118	25	2	161	402
7:30 - 7:45	104	41	33	0	178	5	9	24	0	38	2	99	7	0	108	30	142	34	0	206	530
7:45 - 8:00	88	35	35	0	158	10	10	23	0	43	5	135	2	1	143	23	149	36	4	212	556
8:00 - 8:15	81	38	37	0	156	10	13	17	0	40	2	105	4	1	112	25	137	23	0	185	493
8:15 - 8:30	76	30	17	0	123	11	6	19	0	36	1	104	5	1	111	23	149	28	2	202	472
8:30 - 8:45	89	39	15	0	143	11	12	23	0	46	2	103	5	2	112	32	147	21	1	201	502
8:45 - 9:00	70	27	11	0	108	16	14	18	0	48	2	102	6	0	110	28	167	32	0	227	493
9:00 - 9:15	49	24	21	0	94	5	15	26	0	46	4	75	6	0	85	50	147	27	1	225	450
9:15 - 9:30	37	23	14	0	74	17	11	22	0	50	5	90	8	1	104	34	109	32	8	183	411
3 Hr Totals	771	309	225	0	1305	112	112	222	0	446	26	1122	47	12	1207	290	1541	300	20	2151	5109
1 Hr Totals																					
6:30 - 7:30	177	52	42	0	271	27	22	50	0	99	3	309	4	6	322	45	394	67	4	510	1202
6:45 - 7:45	258	84	66	0	408	26	26	61	0	113	4	354	11	3	372	70	455	89	3	617	1510
7:00 - 8:00	308	110	96	0	514	28	31	76	0	135	7	410	13	3	433	78	526	106	7	717	1799
7:15 - 8:15	359	134	120	0	613	31	37	82	0	150	9	428	14	3	454	94	546	118	6	764	1981
7:30 - 8:30	349	144	122	0	615	36	38	83	0	157	10	443	18	3	474	101	577	121	6	805	2051
7:45 - 8:45	334	142	104	0	580	42	41	82	0	165	10	447	16	5	478	103	582	108	7	800	2023
8:00 - 9:00	316	134	80	0	530	48	45	77	0	170	7	414	20	4	445	108	600	104	3	815	1960
8:15 - 9:15	284	120	64	0	468	43	47	86	0	176	9	384	22	3	418	133	610	108	4	855	1917
8:30 - 9:30	245	113	61	0	419	49	52	89	0	190	13	370	25	3	411	144	570	112	10	836	1856
PEAK HOUR																					
7:30 - 8:30	349	144	122	0	615	36	38	83	0	157	10	443	18	3	474	101	577	121	6	805	2051
PM																					
4:00 - 4:15	34	16	8	0	58	10	29	50	0	89	10	150	4	0	164	46	102	40	3	191	502
4:15 - 4:30	31	17	5	0	53	7	20	46	0	73	5	153	6	0	164	43	113	37	9	202	492
4:30 - 4:45	34	31	7	0	72	10	35	50	0	95	3	137	10	0	150	26	105	47	14	192	509
4:45 - 5:00	35	12	8	0	55	18	36	72	0	126	5	141	7	0	153	49	109	44	10	212	546
5:00 - 5:15	25	29	4	0	58	12	41	70	0	123	7	150	9	1	167	42	116	45	2	205	553
5:15 - 5:30	49	27	5	0	81	12	39	68	0	119	6	171	7	2	186	50	99	47	6	202	588
5:30 - 5:45	25	24	11	0	60	18	47	69	0	134	5	184	6	0	195	45	114	54	4	217	606
5:45 - 6:00	29	28	6	0	63	11	29	73	0	113	10	158	7	0	175	57	118	54	10	239	590
6:00 - 6:15	39	24	12	0	75	11	57	57	0	125	12	142	16	0	170	58	117	48	5	228	598
6:15 - 6:30	31	20	1	0	52	15	32	55	0	102	9	144	15	1	169	41	127	47	16	231	554
6:30 - 6:45	33	31	8	0	72	19	46	62	0	127	5	115	4	1	125	54	96	39	5	194	518
6:45 - 7:00	37	11	1	0	49	13	44	47	0	104	14	138	8	0	160	50	93	42	11	196	509
3 Hr Totals	402	270	76	0	748	156	455	719	0	1330	91	1783	99	5	1978	561	1309	544	95	2509	6565
1 Hr Totals																					
4:00 - 5:00	134	76	28	0	238	45	120	218	0	383	23	581	27	0	631	164	429	168	36	797	2049
4:15 - 5:15	125	89	24	0	238	47	132	238	0	417	20	581	32	1	634	160	443	173	35	811	2100
4:30 - 5:30	143	99	24	0	266	52	151	260	0	463	21	599	33	3	656	167	429	183	32	811	2196
4:45 - 5:45	134	92	28	0	254	60	163	279	0	502	23	646	29	3	701	186	438	190	22	836	2293
5:00 - 6:00	128	108	26	0	262	53	156	280	0	489	28	663	29	3	723	194	447	200	22	863	2337
5:15 - 6:15	142	103	34	0	279	52	172	267	0	491	33	655	36	2	726	210	448	203	25	886	2382
5:30 - 6:30	124	96	30	0	250	55	165	254	0	474	36	628	44	1	709	201	476	203	35	915	2348
5:45 - 6:45	132	103	27	0	262	56	164	247	0	467	36	559	42	2	639	210	458	188	36	892	2260
6:00 - 7:00	140	86	22	0	248	58	179	221	0	458	40	539	43	2	624	203	433	176	37	849	2179
PEAK HOUR																					
5:15 - 6:15	142	103	34	0	279	52	172	267	0	491	33	655	36	2	726	210	448	203	25	886	2382

MD 124 & Kentlands Blvd

VEHICLES TURNING MOVEMENT COUNT - SUMMARY

Counted by: VCU

Intersection of: MD 124 | **Date: November 03, 2015** | **Tuesday**

and: Booth Street | **Weather: Sunny/Warm**

Location: Montgomery County, Maryland | **Entered by: SN** | **Star Rating: 5**

TIME	TRAFFIC FROM NORTH on:					TRAFFIC FROM SOUTH on: Booth Street					TRAFFIC FROM EAST on: MD 124					TRAFFIC FROM WEST on: MD 124					TOTAL N + S + E + W
	RIGHT	THRU	LEFT	U-TN	TOTAL	RIGHT	THRU	LEFT	U-TN	TOTAL	RIGHT	THRU	LEFT	U-TN	TOTAL	RIGHT	THRU	LEFT	U-TN	TOTAL	
AM																					
6:30 - 6:45					0	12		2	0	14		51	6	2	59	2	98		0	100	173
6:45 - 7:00					0	7		7	0	14		76	11	2	89	2	90		0	92	195
7:00 - 7:15					0	16		2	0	18		84	15	2	101	0	131		1	132	251
7:15 - 7:30					0	16		1	0	17		105	10	1	116	1	143		0	144	277
7:30 - 7:45					0	31		1	0	32		97	22	0	119	9	177		0	186	337
7:45 - 8:00					0	17		2	0	19		125	21	1	147	13	179		0	192	358
8:00 - 8:15					0	20		6	0	26		110	23	3	136	5	193		0	198	360
8:15 - 8:30					0	24		3	0	27		99	23	0	122	4	176		0	180	329
8:30 - 8:45					0	21		4	0	25		107	21	4	132	7	163		0	170	327
8:45 - 9:00					0	31		3	0	34		95	28	1	124	10	178		1	189	347
9:00 - 9:15					0	27		5	0	32		91	37	3	131	7	163		0	170	333
9:15 - 9:30					0	26		7	0	33		89	29	3	121	15	123		0	138	292
3 Hr Totals	0	0	0	0	0	248	0	43	0	291	0	1129	246	22	1397	75	1814	0	2	1891	3579
1 Hr Totals																					
6:30 - 7:30	0	0	0	0	0	51	0	12	0	63	0	316	42	7	365	5	462	0	1	468	896
6:45 - 7:45	0	0	0	0	0	70	0	11	0	81	0	362	58	5	425	12	541	0	1	554	1060
7:00 - 8:00	0	0	0	0	0	80	0	6	0	86	0	411	68	4	483	23	630	0	1	654	1223
7:15 - 8:15	0	0	0	0	0	84	0	10	0	94	0	437	76	5	518	28	692	0	0	720	1332
7:30 - 8:30	0	0	0	0	0	92	0	12	0	104	0	431	89	4	524	31	725	0	0	756	1384
7:45 - 8:45	0	0	0	0	0	82	0	15	0	97	0	441	88	8	537	29	711	0	0	740	1374
8:00 - 9:00	0	0	0	0	0	96	0	16	0	112	0	411	95	8	514	26	710	0	1	737	1363
8:15 - 9:15	0	0	0	0	0	103	0	15	0	118	0	392	109	8	509	28	680	0	1	709	1336
8:30 - 9:30	0	0	0	0	0	105	0	19	0	124	0	382	115	11	508	39	627	0	1	667	1299
PEAK HOUR																					
7:30 - 8:30	0	0	0	0	0	92	0	12	0	104	0	431	89	4	524	31	725	0	0	756	1384
PM																					
4:00 - 4:15					0	43		10	0	53		148	32	3	183	7	123		0	130	366
4:15 - 4:30					0	22		9	0	31		136	44	0	180	9	115		0	124	335
4:30 - 4:45					0	27		6	0	33		144	36	3	183	5	121		0	126	342
4:45 - 5:00					0	27		9	0	36		140	48	1	189	8	117		0	125	350
5:00 - 5:15					0	45		9	0	54		148	56	2	206	12	129		0	141	401
5:15 - 5:30					0	47		7	0	54		168	47	5	220	8	102		0	110	384
5:30 - 5:45					0	37		18	0	55		195	50	1	246	8	143		1	152	453
5:45 - 6:00					0	38		11	0	49		158	54	4	216	15	104		1	120	385
6:00 - 6:15					0	38		15	0	53		157	43	4	204	9	147		0	156	413
6:15 - 6:30					0	41		12	0	53		160	36	1	197	12	117		1	130	380
6:30 - 6:45					0	46		7	0	53		110	54	0	164	13	122		1	136	353
6:45 - 7:00					0	49		14	0	63		137	39	1	177	7	93		2	102	342
3 Hr Totals	0	0	0	0	0	460	0	127	0	587	0	1801	539	25	2365	113	1433	0	6	1552	4504
1 Hr Totals																					
4:00 - 5:00	0	0	0	0	0	119	0	34	0	153	0	568	160	7	735	29	476	0	0	505	1393
4:15 - 5:15	0	0	0	0	0	121	0	33	0	154	0	568	184	6	758	34	482	0	0	516	1428
4:30 - 5:30	0	0	0	0	0	146	0	31	0	177	0	600	187	11	798	33	469	0	0	502	1477
4:45 - 5:45	0	0	0	0	0	156	0	43	0	199	0	651	201	9	861	36	491	0	1	528	1588
5:00 - 6:00	0	0	0	0	0	167	0	45	0	212	0	669	207	12	888	43	478	0	2	523	1623
5:15 - 6:15	0	0	0	0	0	160	0	51	0	211	0	678	194	14	886	40	496	0	2	538	1635
5:30 - 6:30	0	0	0	0	0	154	0	56	0	210	0	670	183	10	863	44	511	0	3	558	1631
5:45 - 6:45	0	0	0	0	0	163	0	45	0	208	0	585	187	9	781	49	490	0	3	542	1531
6:00 - 7:00	0	0	0	0	0	174	0	48	0	222	0	564	172	6	742	41	479	0	4	524	1488
PEAK HOUR																					
5:15 - 6:15	0	0	0	0	0	160	0	51	0	211	0	678	194	14	886	40	496	0	2	538	1635

MD 124 & Booth Street

VEHICLES TURNING MOVEMENT COUNT - SUMMARY

Counted by: VCU

Intersection of: MD 124 | **Date: November 03, 2015** | **Tuesday**

and: Granite Place | **Weather: Sunny/Warm**

Location: Montgomery County, Maryland | **Entered by: SN** | **Star Rating: 5**

TIME	TRAFFIC FROM NORTH on:					TRAFFIC FROM SOUTH on: Granite Place					TRAFFIC FROM EAST on: MD 124					TRAFFIC FROM WEST on: MD 124					TOTAL N + S + E + W
	RIGHT	THRU	LEFT	U-TN	TOTAL	RIGHT	THRU	LEFT	U-TN	TOTAL	RIGHT	THRU	LEFT	U-TN	TOTAL	RIGHT	THRU	LEFT	U-TN	TOTAL	
AM																					
6:30 - 6:45					0	8		0	0	8		0	0	0	0	1	110		0	111	119
6:45 - 7:00					0	10		0	0	10		0	0	0	0	1	98		0	99	109
7:00 - 7:15					0	18		0	0	18		0	0	0	0	3	150		0	153	171
7:15 - 7:30					0	20		0	0	20		0	0	0	0	1	147		0	148	168
7:30 - 7:45					0	20		0	0	20		0	0	0	0	0	219		0	219	239
7:45 - 8:00					0	16		0	0	16		0	0	0	0	1	184		0	185	201
8:00 - 8:15					0	12		0	0	12		0	0	0	0	3	228		0	231	243
8:15 - 8:30					0	15		0	0	15		0	0	0	0	2	182		0	184	199
8:30 - 8:45					0	10		0	0	10		0	0	0	0	4	204		0	208	218
8:45 - 9:00					0	11		0	0	11		0	0	0	0	6	197		0	203	214
9:00 - 9:15					0	10		0	0	10		0	0	0	0	3	194		0	197	207
9:15 - 9:30					0	5		0	0	5		0	0	0	0	3	152		0	155	160
3 Hr Totals	0	0	0	0	0	155	0	0	0	155	0	0	0	0	0	28	2065	0	0	2093	2248
1 Hr Totals																					
6:30 - 7:30	0	0	0	0	0	56	0	0	0	56	0	0	0	0	0	6	505	0	0	511	567
6:45 - 7:45	0	0	0	0	0	68	0	0	0	68	0	0	0	0	0	5	614	0	0	619	687
7:00 - 8:00	0	0	0	0	0	74	0	0	0	74	0	0	0	0	0	5	700	0	0	705	779
7:15 - 8:15	0	0	0	0	0	68	0	0	0	68	0	0	0	0	0	5	778	0	0	783	851
7:30 - 8:30	0	0	0	0	0	63	0	0	0	63	0	0	0	0	0	6	813	0	0	819	882
7:45 - 8:45	0	0	0	0	0	53	0	0	0	53	0	0	0	0	0	10	798	0	0	808	861
8:00 - 9:00	0	0	0	0	0	48	0	0	0	48	0	0	0	0	0	15	811	0	0	826	874
8:15 - 9:15	0	0	0	0	0	46	0	0	0	46	0	0	0	0	0	15	777	0	0	792	838
8:30 - 9:30	0	0	0	0	0	36	0	0	0	36	0	0	0	0	0	16	747	0	0	763	799
PEAK HOUR																					
7:30 - 8:30	0	0	0	0	0	63	0	0	0	63	0	0	0	0	0	6	813	0	0	819	882
PM																					
4:00 - 4:15					0	3		0	0	3		0	0	0	0	3	169		0	172	175
4:15 - 4:30					0	12		0	0	12		0	0	0	0	1	130		0	131	143
4:30 - 4:45					0	4		0	0	4		0	0	0	0	4	149		0	153	157
4:45 - 5:00					0	11		0	0	11		0	0	0	0	1	144		0	145	156
5:00 - 5:15					0	12		0	0	12		0	0	0	0	2	174		0	176	188
5:15 - 5:30					0	12		0	0	12		0	0	0	0	7	147		0	154	166
5:30 - 5:45					0	7		0	0	7		0	0	0	0	5	177		0	182	189
5:45 - 6:00					0	10		0	0	10		0	0	0	0	4	146		0	150	160
6:00 - 6:15					0	10		0	0	10		0	0	0	0	6	179		0	185	195
6:15 - 6:30					0	8		0	0	8		0	0	0	0	3	161		0	164	172
6:30 - 6:45					0	6		0	0	6		0	0	0	0	2	167		0	169	175
6:45 - 7:00					0	8		0	0	8		0	0	0	0	2	141		0	143	151
3 Hr Totals	0	0	0	0	0	103	0	0	0	103	0	0	0	0	0	40	1884	0	0	1924	2027
1 Hr Totals																					
4:00 - 5:00	0	0	0	0	0	30	0	0	0	30	0	0	0	0	0	9	592	0	0	601	631
4:15 - 5:15	0	0	0	0	0	39	0	0	0	39	0	0	0	0	0	8	597	0	0	605	644
4:30 - 5:30	0	0	0	0	0	39	0	0	0	39	0	0	0	0	0	14	614	0	0	628	667
4:45 - 5:45	0	0	0	0	0	42	0	0	0	42	0	0	0	0	0	15	642	0	0	657	699
5:00 - 6:00	0	0	0	0	0	41	0	0	0	41	0	0	0	0	0	18	644	0	0	662	703
5:15 - 6:15	0	0	0	0	0	39	0	0	0	39	0	0	0	0	0	22	649	0	0	671	710
5:30 - 6:30	0	0	0	0	0	35	0	0	0	35	0	0	0	0	0	18	663	0	0	681	716
5:45 - 6:45	0	0	0	0	0	34	0	0	0	34	0	0	0	0	0	15	653	0	0	668	702
6:00 - 7:00	0	0	0	0	0	32	0	0	0	32	0	0	0	0	0	13	648	0	0	661	693
PEAK HOUR																					
5:30 - 6:30	0	0	0	0	0	35	0	0	0	35	0	0	0	0	0	18	663	0	0	681	716

MD 124 EB & Granite Place (Right-in/Right-out)

VEHICLES TURNING MOVEMENT COUNT - SUMMARY

Counted by: VCU

Intersection of: MD 119 | Date: November 03, 2015 | Tuesday

and: MD 124 | Weather: Sunny/Warm

Location: Montgomery County, Maryland | Entered by: SN | Star Rating: 5

TIME	TRAFFIC FROM NORTH on: MD 119					TRAFFIC FROM SOUTH on: MD 119					TRAFFIC FROM EAST on: MD 124					TRAFFIC FROM WEST on: MD 124					TOTAL N + S + E + W
	RIGHT	THRU	LEFT	U-TN	TOTAL	RIGHT	THRU	LEFT	U-TN	TOTAL	RIGHT	THRU	LEFT	U-TN	TOTAL	RIGHT	THRU	LEFT	U-TN	TOTAL	
AM																					
6:30 - 6:45	3	320	38	0	361	21	25	8	0	54	9	51	27	0	87	42	72	1	0	115	617
6:45 - 7:00	2	389	41	0	432	34	42	8	0	84	6	73	47	0	126	39	64	0	0	103	745
7:00 - 7:15	2	408	48	0	458	26	52	20	0	98	9	81	49	0	139	54	106	0	0	160	855
7:15 - 7:30	3	380	41	1	425	36	49	26	0	111	9	72	50	0	131	54	114	0	0	168	835
7:30 - 7:45	4	363	36	0	403	44	64	19	0	127	8	117	56	0	181	72	143	10	0	225	936
7:45 - 8:00	4	361	51	0	416	80	61	37	0	178	7	108	65	0	180	56	147	8	0	211	985
8:00 - 8:15	5	350	60	0	415	71	57	35	1	164	8	80	61	0	149	76	147	7	1	231	959
8:15 - 8:30	2	372	68	0	442	78	40	27	0	145	10	95	64	0	169	53	147	7	0	207	963
8:30 - 8:45	4	323	84	0	411	67	51	26	0	144	6	101	60	0	167	43	168	4	1	216	938
8:45 - 9:00	5	321	69	0	395	117	56	21	0	194	10	92	81	0	183	35	168	7	0	210	982
9:00 - 9:15	8	270	67	0	345	63	48	22	0	133	16	99	70	0	185	46	155	8	0	209	872
9:15 - 9:30	13	276	46	0	335	54	50	24	0	128	11	78	67	0	156	34	116	8	0	158	777
3 Hr Totals	55	4133	649	1	4838	691	595	273	1	1560	109	1047	697	0	1853	604	1547	60	2	2213	10464
1 Hr Totals																					
6:30 - 7:30	10	1497	168	1	1676	117	168	62	0	347	33	277	173	0	483	189	356	1	0	546	3052
6:45 - 7:45	11	1540	166	1	1718	140	207	73	0	420	32	343	202	0	577	219	427	10	0	656	3371
7:00 - 8:00	13	1512	176	1	1702	186	226	102	0	514	33	378	220	0	631	236	510	18	0	764	3611
7:15 - 8:15	16	1454	188	1	1659	231	231	117	1	580	32	377	232	0	641	258	551	25	1	835	3715
7:30 - 8:30	15	1446	215	0	1676	273	222	118	1	614	33	400	246	0	679	257	584	32	1	874	3843
7:45 - 8:45	15	1406	263	0	1684	296	209	125	1	631	31	384	250	0	665	228	609	26	2	865	3845
8:00 - 9:00	16	1366	281	0	1663	333	204	109	1	647	34	368	266	0	668	207	630	25	2	864	3842
8:15 - 9:15	19	1286	288	0	1593	325	195	96	0	616	42	387	275	0	704	177	638	26	1	842	3755
8:30 - 9:30	30	1190	266	0	1486	301	205	93	0	599	43	370	278	0	691	158	607	27	1	793	3569
PEAK HOUR																					
7:45 - 8:45	15	1406	263	0	1684	296	209	125	1	631	31	384	250	0	665	228	609	26	2	865	3845
PM																					
4:00 - 4:15	4	70	8	0	82	58	224	43	2	327	37	142	66	0	245	29	117	26	0	172	826
4:15 - 4:30	4	86	13	0	103	66	230	41	1	338	37	145	75	0	257	35	95	19	0	149	847
4:30 - 4:45	8	83	12	0	103	61	250	43	0	354	35	130	66	0	231	31	93	20	0	144	832
4:45 - 5:00	5	89	10	0	104	70	297	42	1	410	76	144	101	0	321	31	118	15	0	164	999
5:00 - 5:15	10	82	20	0	112	50	296	35	3	384	85	161	113	0	359	35	113	27	2	177	1032
5:15 - 5:30	5	86	15	0	106	58	311	37	3	409	84	184	116	0	384	32	104	36	0	172	1071
5:30 - 5:45	9	94	16	0	119	58	351	53	1	463	64	181	108	0	353	32	108	34	0	174	1109
5:45 - 6:00	5	105	13	0	123	71	316	53	0	440	60	155	117	0	332	20	102	39	0	161	1056
6:00 - 6:15	4	90	16	0	110	59	318	54	0	431	65	144	78	0	287	29	122	33	0	184	1012
6:15 - 6:30	7	100	12	0	119	45	306	41	0	392	43	149	80	0	272	24	116	28	0	168	951
6:30 - 6:45	8	75	9	0	92	85	249	41	2	377	39	121	82	0	242	31	114	34	0	179	890
6:45 - 7:00	5	71	13	0	89	63	236	48	2	349	41	128	65	0	234	16	104	35	0	155	827
3 Hr Totals	74	1031	157	0	1262	744	3384	531	15	4674	666	1784	1067	0	3517	345	1306	346	2	1999	11452
1 Hr Totals																					
4:00 - 5:00	21	328	43	0	392	255	1001	169	4	1429	185	561	308	0	1054	126	423	80	0	629	3504
4:15 - 5:15	27	340	55	0	422	247	1073	161	5	1486	233	580	355	0	1168	132	419	81	2	634	3710
4:30 - 5:30	28	340	57	0	425	239	1154	157	7	1557	280	619	396	0	1295	129	428	98	2	657	3934
4:45 - 5:45	29	351	61	0	441	236	1255	167	8	1666	309	670	438	0	1417	130	443	112	2	687	4211
5:00 - 6:00	29	367	64	0	460	237	1274	178	7	1696	293	681	454	0	1428	119	427	136	2	684	4268
5:15 - 6:15	23	375	60	0	458	246	1296	197	4	1743	273	664	419	0	1356	113	436	142	0	691	4248
5:30 - 6:30	25	389	57	0	471	233	1291	201	1	1726	232	629	383	0	1244	105	448	134	0	687	4128
5:45 - 6:45	24	370	50	0	444	260	1189	189	2	1640	207	569	357	0	1133	104	454	134	0	692	3909
6:00 - 7:00	24	336	50	0	410	252	1109	184	4	1549	188	542	305	0	1035	100	456	130	0	686	3680
PEAK HOUR																					
5:00 - 6:00	29	367	64	0	460	237	1274	178	7	1696	293	681	454	0	1428	119	427	136	2	684	4268

MD 124 & MD 119

119
119
124
124
124
Quince Orchard Rd
Great Seneca Hwy
Arch Pl
OFFICEPRO, Inc
Google

VEHICLES TURNING MOVEMENT COUNT - SUMMARY

Counted by: VCU

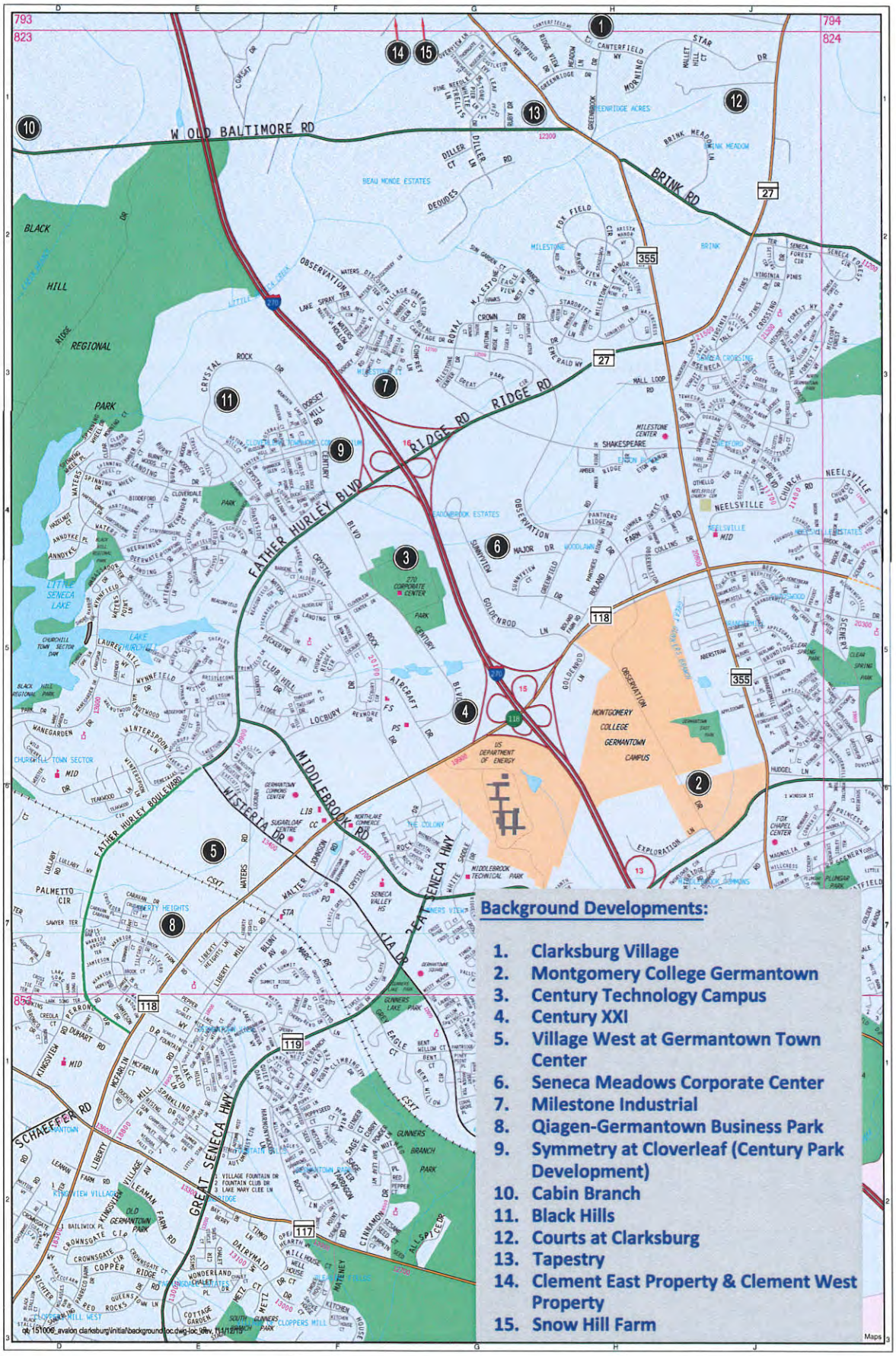
Intersection of: Booth Street | **Date: November 12, 2015** | **Tuesday**

and: Arch Place | **Weather: Sunny/Warm**

Location: Montgomery County, Maryland | **Entered by: SN** | **Star Rating: 5**

TIME	TRAFFIC FROM NORTH on: Booth Street					TRAFFIC FROM SOUTH on: Booth Street					TRAFFIC FROM EAST on: Arch Place					TRAFFIC FROM WEST on:					TOTAL N + S + E + W
	RIGHT	THRU	LEFT	U-TN	TOTAL	RIGHT	THRU	LEFT	U-TN	TOTAL	RIGHT	THRU	LEFT	U-TN	TOTAL	RIGHT	THRU	LEFT	U-TN	TOTAL	
AM																					
6:30 - 6:45		10	0		10	0	7			7	0		0		0					0	17
6:45 - 7:00		10	0		10	1	11			12	2		2		4					0	26
7:00 - 7:15		15	1		16	2	6			8	2		3		5					0	29
7:15 - 7:30		18	0		18	1	10			11	3		2		5					0	34
7:30 - 7:45		13	2		15	2	17			19	0		1		1					0	35
7:45 - 8:00		32	0		32	2	19			21	2		4		6					0	59
8:00 - 8:15		43	3		46	4	22			26	1		3		4					0	76
8:15 - 8:30		26	4		30	3	31			34	1		4		5					0	69
8:30 - 8:45		24	2		26	3	33			36	1		3		4					0	66
8:45 - 9:00		24	5		29	1	36			37	1		2		3					0	69
9:00 - 9:15		36	4		40	2	33			35	2		5		7					0	82
9:15 - 9:30		29	7		36	4	20			24	1		0		1					0	61
3 Hr Totals	0	280	28	0	308	25	245	0	0	270	16	0	29	0	45	0	0	0	0	0	623
1 Hr Totals																					
6:30 - 7:30	0	53	1	0	54	4	34	0	0	38	7	0	7	0	14	0	0	0	0	0	106
6:45 - 7:45	0	56	3	0	59	6	44	0	0	50	7	0	8	0	15	0	0	0	0	0	124
7:00 - 8:00	0	78	3	0	81	7	52	0	0	59	7	0	10	0	17	0	0	0	0	0	157
7:15 - 8:15	0	106	5	0	111	9	68	0	0	77	6	0	10	0	16	0	0	0	0	0	204
7:30 - 8:30	0	114	9	0	123	11	89	0	0	100	4	0	12	0	16	0	0	0	0	0	239
7:45 - 8:45	0	125	9	0	134	12	105	0	0	117	5	0	14	0	19	0	0	0	0	0	270
8:00 - 9:00	0	117	14	0	131	11	122	0	0	133	4	0	12	0	16	0	0	0	0	0	280
8:15 - 9:15	0	110	15	0	125	9	133	0	0	142	5	0	14	0	19	0	0	0	0	0	286
8:30 - 9:30	0	113	18	0	131	10	122	0	0	132	5	0	10	0	15	0	0	0	0	0	278
PEAK HOUR																					
8:15 - 9:15	0	110	15	0	125	9	133	0	0	142	5	0	14	0	19	0	0	0	0	0	286
PM																					
4:00 - 4:15		36	6		42	3	49			52	4		4		8					0	102
4:15 - 4:30		51	7		58	1	42			43	2		2		4					0	105
4:30 - 4:45		53	8		61	1	42			43	1		2		3					0	107
4:45 - 5:00		32	5		37	4	33			37	4		2		6					0	80
5:00 - 5:15		40	6		46	7	47			54	0		3		3					0	103
5:15 - 5:30		33	8		41	3	59			62	1		1		2					0	105
5:30 - 5:45		48	10		58	7	56			63	3		2		5					0	126
5:45 - 6:00		51	3		54	5	46			51	2		3		5					0	110
6:00 - 6:15		59	7		66	7	47			54	2		1		3					0	123
6:15 - 6:30		46	12		58	10	51			61	1		2		3					0	122
6:30 - 6:45		43	8		51	9	50			59	2		4		6					0	116
6:45 - 7:00		46	7		53	4	60			64	0		2		2					0	119
3 Hr Totals	0	538	87	0	625	61	582	0	0	643	22	0	28	0	50	0	0	0	0	0	1318
1 Hr Totals																					
4:00 - 5:00	0	172	26	0	198	9	166	0	0	175	11	0	10	0	21	0	0	0	0	0	394
4:15 - 5:15	0	176	26	0	202	13	164	0	0	177	7	0	9	0	16	0	0	0	0	0	395
4:30 - 5:30	0	158	27	0	185	15	181	0	0	196	6	0	8	0	14	0	0	0	0	0	395
4:45 - 5:45	0	153	29	0	182	21	195	0	0	216	8	0	8	0	16	0	0	0	0	0	414
5:00 - 6:00	0	172	27	0	199	22	208	0	0	230	6	0	9	0	15	0	0	0	0	0	444
5:15 - 6:15	0	191	28	0	219	22	208	0	0	230	8	0	7	0	15	0	0	0	0	0	464
5:30 - 6:30	0	204	32	0	236	29	200	0	0	229	8	0	8	0	16	0	0	0	0	0	481
5:45 - 6:45	0	199	30	0	229	31	194	0	0	225	7	0	10	0	17	0	0	0	0	0	471
6:00 - 7:00	0	194	34	0	228	30	208	0	0	238	5	0	9	0	14	0	0	0	0	0	480
PEAK HOUR																					
5:30 - 6:30	0	204	32	0	236	29	200	0	0	229	8	0	8	0	16	0	0	0	0	0	481

Booth Street & Arch Place



Background Development

EXHIBIT C-1 LOCATION MAP FOR BACKGROUND DEVELOPMENTS
(GRID SPACING: 1/2 MILE)

APPENDIX B

Intersection Capacity Analysis Worksheets

CRITICAL LANE VOLUME (CLV) METHODOLOGY

for Montgomery County

E/W Road: MD 124 **Date of Count:** 11/03/2015

N/S Road: Kentlands Boulevard **Day of Count:** Tuesday

Conditions: Existing Traffic **Analyst:** Shulin Li

Peak: 7:30 -8:30

Peak: 5:15 -6:15

KENTLANDS BOULEVARD

R	T	L	
142	103	34	**PM**
349	144	122	**AM**

MD 124

R TL

R	10	33
T	443	655
L	21	38
	AM	**PM**

	PM	AM
L	228	127
T	448	577
R	210	101

L T T R

L T T R

MD 124

	L	T	R
AM	83	38	36
PM	267	172	52

KENTLANDS BOULEVARD

Capacity Analysis

Morning Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	AM CLV
NB	38	0.53	20	122	1.00	122	349
SB	266	1.00	266	83	1.00	83	
EB	577	0.53	306	21	1.00	21	362
WB	443	0.53	235	127	1.00	127	
						CLV TOTAL=	**711**

Evening Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	PM CLV
NB	172	0.53	91	34	1.00	34	404
SB	137	1.00	137	267	1.00	267	
EB	448	0.53	237	38	1.00	38	575
WB	655	0.53	347	228	1.00	228	
						CLV TOTAL=	**979**

Scenario ID - EXIST1

CRITICAL LANE VOLUME (CLV) METHODOLOGY

for Montgomery County

E/W Road: MD 124 **Date of Count:** 11/03/2015

N/S Road: Kentlands Boulevard **Day of Count:** Tuesday

Conditions: Background Traffic **Analyst:** Shulin Li

Peak: 7:30 -8:30

Peak: 5:15 -6:15

KENTLANDS BOULEVARD

R	T	L	
142	103	34	**PM**
349	144	122	**AM**

MD 124

R TL

R	10	33
T	465	774
L	21	38
	AM	**PM**

R
T
T
L

	PM	AM
L	228	127
T	474	716
R	237	241

L
T
T
R

MD 124

L T T R

	L	T	R
AM	105	38	36
PM	387	172	52

KENTLANDS BOULEVARD

Capacity Analysis

Morning Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	AM CLV
NB	38	0.53	20	122	1.00	122	371
SB	266	1.00	266	105	1.00	105	
EB	716	0.53	379	21	1.00	21	400
WB	465	0.53	246	127	1.00	127	
						CLV TOTAL=	**771**

Evening Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	PM CLV
NB	172	0.53	91	34	1.00	34	524
SB	137	1.00	137	387	1.00	387	
EB	474	0.53	251	38	1.00	38	638
WB	774	0.53	410	228	1.00	228	
						CLV TOTAL=	**1,162**

Scenario ID - BACK1

CRITICAL LANE VOLUME (CLV) METHODOLOGY

for Montgomery County

E/W Road: MD 124 **Date of Count:** 11/03/2015

N/S Road: Kentlands Boulevard **Day of Count:** Tuesday

Conditions: Total Traffic **Analyst:** Shulin Li

Peak: 7:30 -8:30

Peak: 5:15 -6:15

KENTLANDS BOULEVARD

R	T	L	
142	103	34	**PM**
349	144	122	**AM**

MD 124

R TL

R	10	33
T	475	779
L	21	38
	AM	**PM**

	PM	AM
L	228	127
T	483	718
R	237	241

L T T R

L T T R

MD 124

	L	T	R
AM	105	38	36
PM	387	172	52

KENTLANDS BOULEVARD

Capacity Analysis

Morning Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	AM CLV
NB	38	0.53	20	122	1.00	122	371
SB	266	1.00	266	105	1.00	105	
EB	718	0.53	381	21	1.00	21	402
WB	475	0.53	252	127	1.00	127	
						CLV TOTAL=	**773**

Evening Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	PM CLV
NB	172	0.53	91	34	1.00	34	524
SB	137	1.00	137	387	1.00	387	
EB	483	0.53	256	38	1.00	38	641
WB	779	0.53	413	228	1.00	228	
						CLV TOTAL=	**1,165**

Scenario ID - TOT1

CRITICAL LANE VOLUME (CLV) METHODOLOGY

for Montgomery County

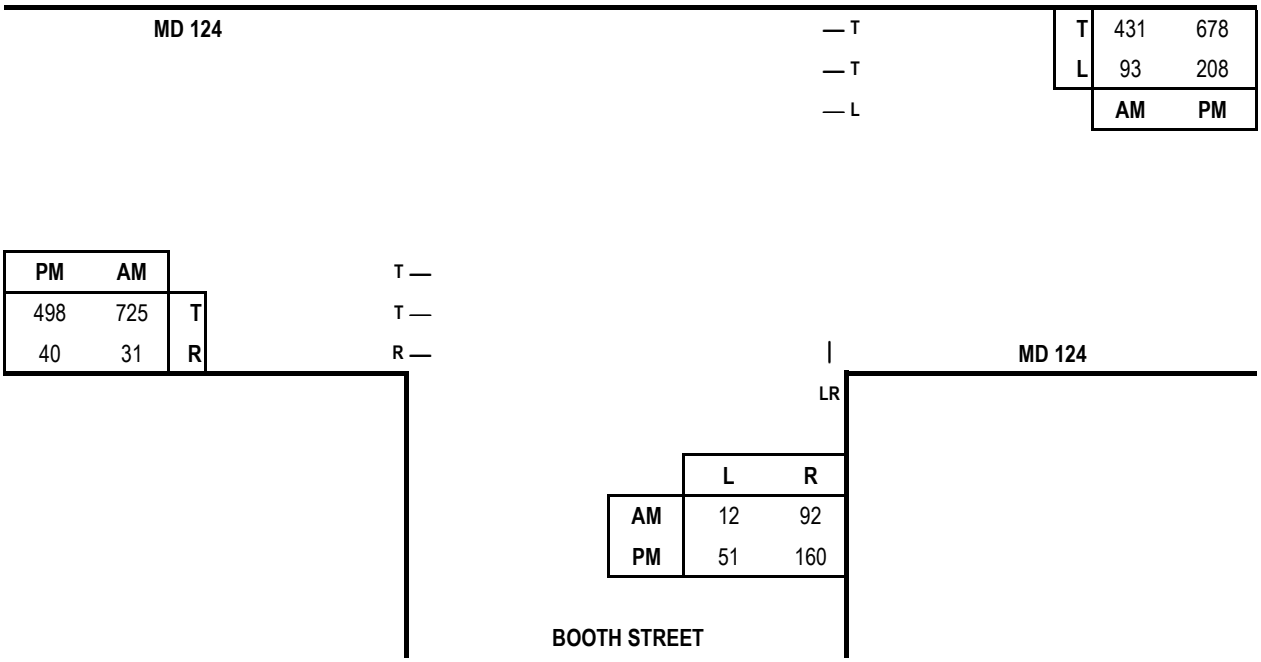
E/W Road: MD 124 **Date of Count:** 11/03/2015

N/S Road: Booth Street **Day of Count:** Tuesday

Conditions: Existing Traffic **Analyst:** Shulin Li

Peak: 7:30 -8:30

Peak: 5:15 -6:15



Capacity Analysis

Morning Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	AM CLV
NB	104	1.00	104				104
EB	725	0.53	384	93	1.00	93	477
WB	431	0.53	228				
						CLV TOTAL=	**581**

Evening Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	PM CLV
NB	211	1.00	211				211
EB	498	0.53	264	208	1.00	208	472
WB	678	0.53	359				
						CLV TOTAL=	**683**

Scenario ID - EXIST2

CRITICAL LANE VOLUME (CLV) METHODOLOGY

for Montgomery County

E/W Road: MD 124 **Date of Count:** 11/03/2015

N/S Road: Booth Street **Day of Count:** Tuesday

Conditions: Background Traffic **Analyst:** Shulin Li

Peak: 7:30 -8:30

Peak: 5:15 -6:15

MD 124

		AM	PM
— T	T	453	797
— T	L	93	208
— L			

PM	AM	
524	864	T
40	31	R

T —

T —

R —

MD 124

LR

	L	R
AM	12	92
PM	51	160

BOOTH STREET

Capacity Analysis

Morning Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	AM CLV
NB	104	1.00	104				104
EB	864	0.53	458	93	1.00	93	551
WB	453	0.53	240				
						CLV TOTAL=	**655**

Evening Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	PM CLV
NB	211	1.00	211				211
EB	524	0.53	278	208	1.00	208	486
WB	797	0.53	422				
						CLV TOTAL=	**697**

Scenario ID - BACK2

CRITICAL LANE VOLUME (CLV) METHODOLOGY

for Montgomery County

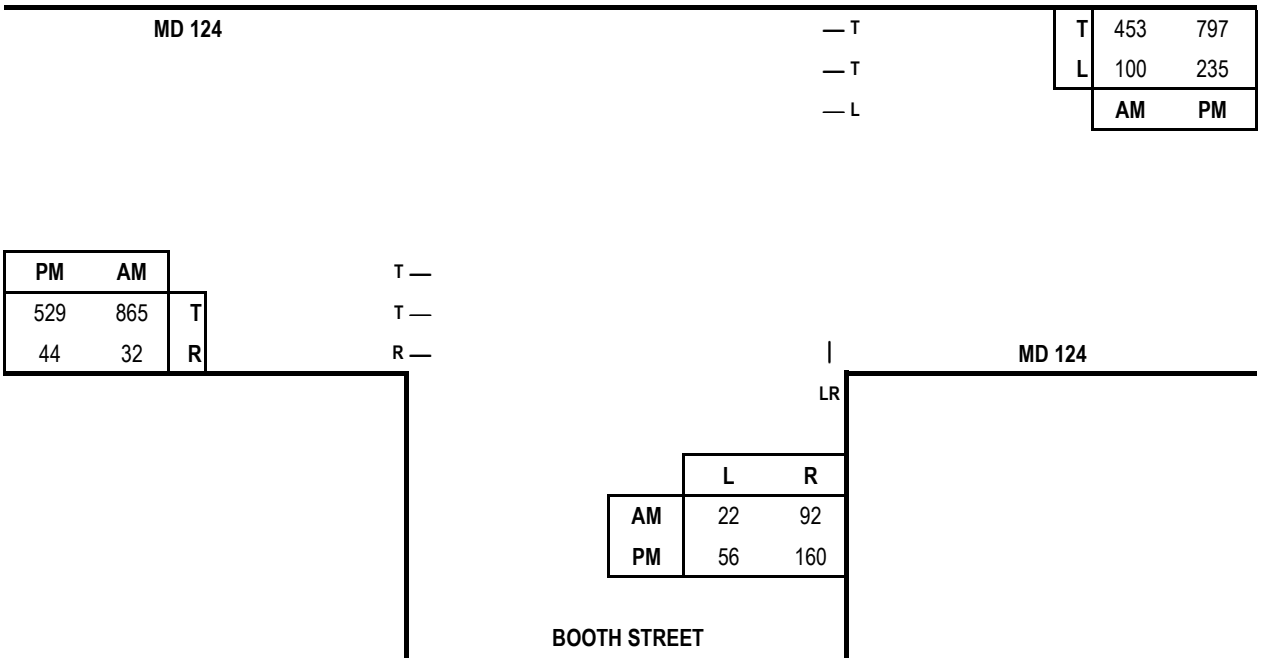
E/W Road: MD 124 **Date of Count:** 11/03/2015

N/S Road: Booth Street **Day of Count:** Tuesday

Conditions: Total Traffic **Analyst:** Shulin Li

Peak: 7:30 -8:30

Peak: 5:15 -6:15



Capacity Analysis

Morning Peak Hour							
	Thru Volumes			+ Opposing Lefts			AM
Dir	VOL	x LUF	= Total	VOL	x LUF	= Total	CLV
NB	114	1.00	114				114
EB	865	0.53	458	100	1.00	100	558
WB	453	0.53	240				
						CLV TOTAL=	672

Evening Peak Hour							
	Thru Volumes			+ Opposing Lefts			PM
Dir	VOL	x LUF	= Total	VOL	x LUF	= Total	CLV
NB	216	1.00	216				216
EB	529	0.53	280	235	1.00	235	515
WB	797	0.53	422				
						CLV TOTAL=	731

Scenario ID - TOT2

CRITICAL LANE VOLUME (CLV) METHODOLOGY

for Montgomery County

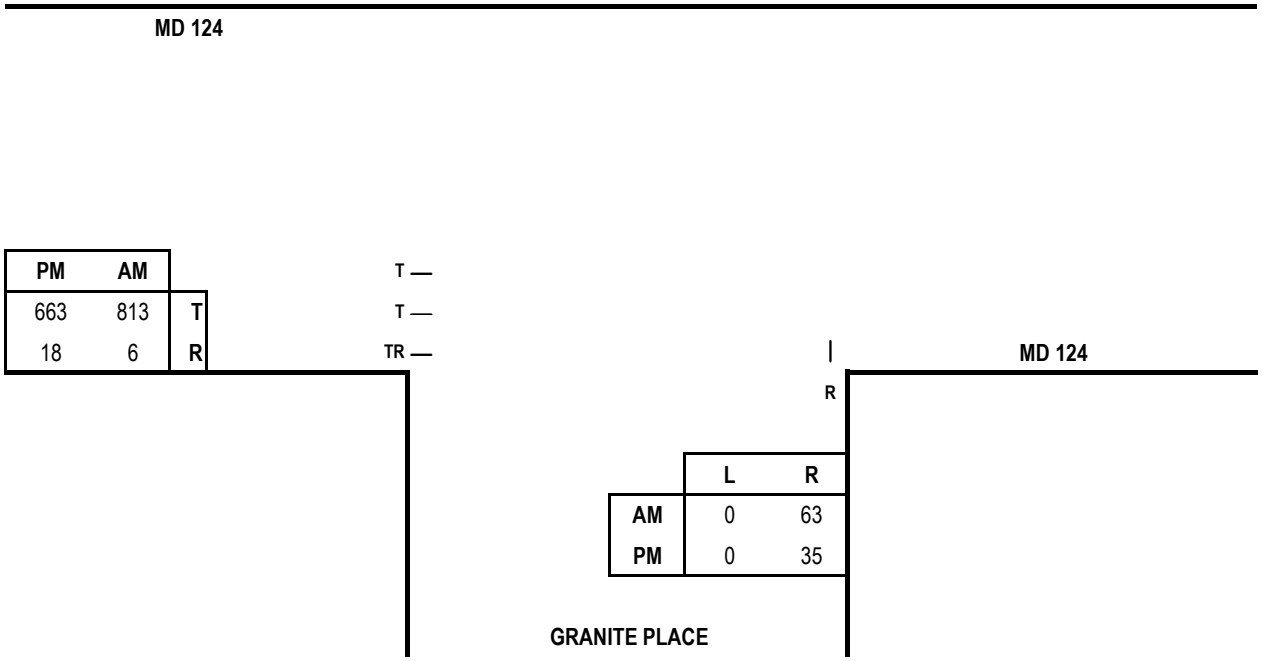
E/W Road: MD 124 **Date of Count:** 11/03/2015

N/S Road: Granite Place **Day of Count:** Tuesday

Conditions: Existing Traffic **Analyst:** Shulin Li

Peak: 7:30 -8:30

Peak: 5:30 -6:30



Capacity Analysis

Morning Peak Hour							
	Thru Volumes			+ Opposing Lefts			AM
Dir	VOL	x LUF	= Total	VOL	x LUF	= Total	CLV
NB	63	1.00	63				63
EB	819	0.37	303	0	0.00	0	303
WB	0	0.00	0				
						CLV TOTAL=	366

Evening Peak Hour							
	Thru Volumes			+ Opposing Lefts			PM
Dir	VOL	x LUF	= Total	VOL	x LUF	= Total	CLV
NB	35	1.00	35				35
EB	681	0.37	252	0	0.00	0	252
WB	0	0.00	0				
						CLV TOTAL=	287

Scenario ID - EXIST3

CRITICAL LANE VOLUME (CLV) METHODOLOGY

for Montgomery County

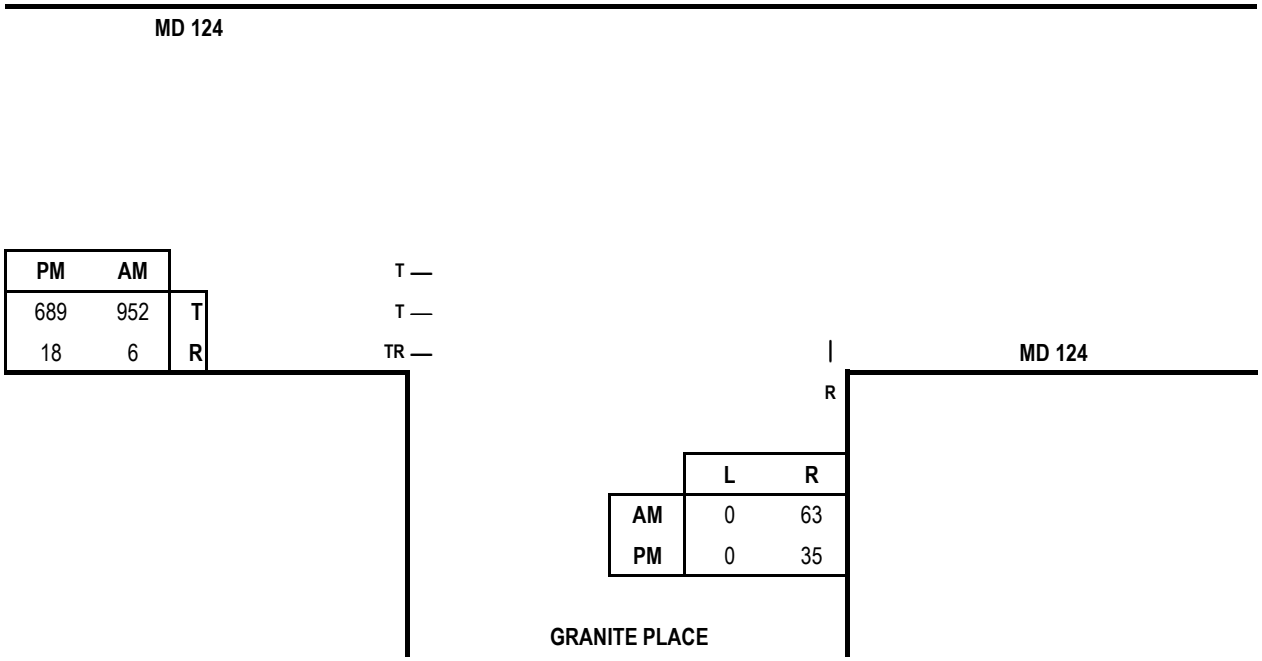
E/W Road: MD 124 **Date of Count:** 11/03/2015

N/S Road: Granite Place **Day of Count:** Tuesday

Conditions: Background Traffic **Analyst:** Shulin Li

Peak: 7:30 -8:30

Peak: 5:30 -6:30



Capacity Analysis

Morning Peak Hour							
	Thru Volumes			+ Opposing Lefts			AM
Dir	VOL	x LUF	= Total	VOL	x LUF	= Total	CLV
NB	63	1.00	63				63
EB	958	0.37	354	0	0.00	0	354
WB	0	0.00	0				
						CLV TOTAL=	417

Evening Peak Hour							
	Thru Volumes			+ Opposing Lefts			PM
Dir	VOL	x LUF	= Total	VOL	x LUF	= Total	CLV
NB	35	1.00	35				35
EB	707	0.37	262	0	0.00	0	262
WB	0	0.00	0				
						CLV TOTAL=	297

Scenario ID - BACK3

CRITICAL LANE VOLUME (CLV) METHODOLOGY

for Montgomery County

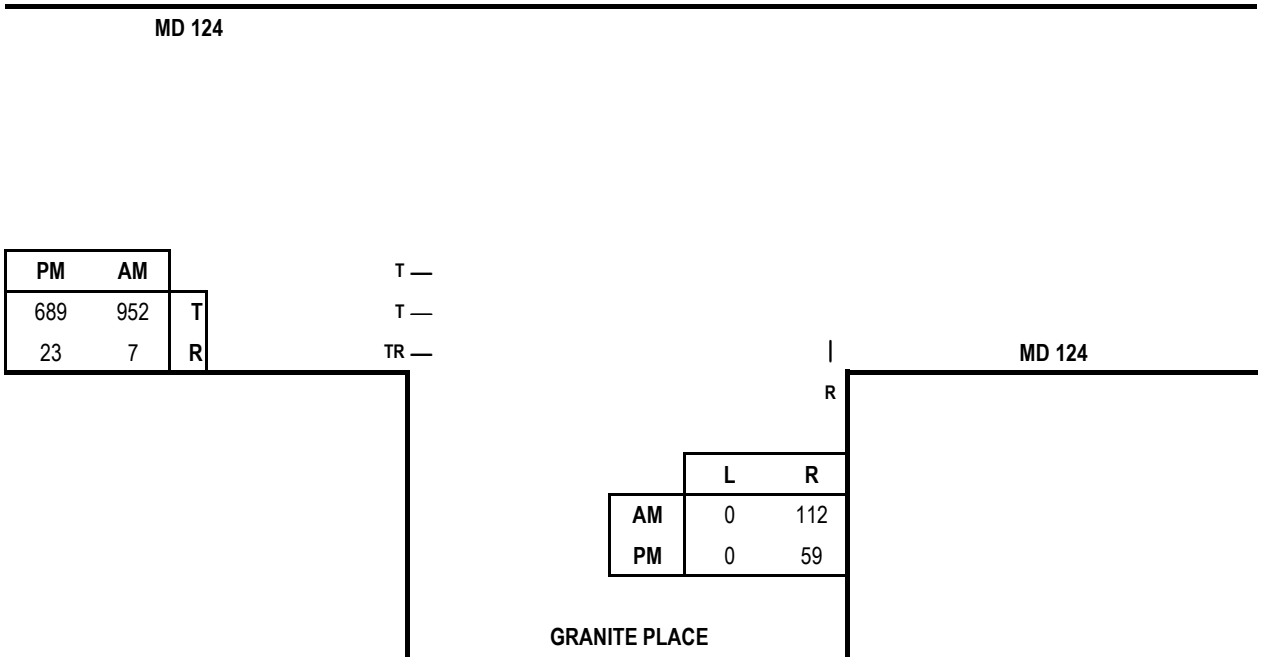
E/W Road: MD 124 **Date of Count:** 11/03/2015

N/S Road: Granite Place **Day of Count:** Tuesday

Conditions: Total Traffic **Analyst:** Shulin Li

Peak: 7:30 -8:30

Peak: 5:30 -6:30



Capacity Analysis

Morning Peak Hour							
	Thru Volumes			+ Opposing Lefts			AM
Dir	VOL	x LUF	= Total	VOL	x LUF	= Total	CLV
NB	112	1.00	112				112
EB	959	0.37	355	0	0.00	0	355
WB	0	0.00	0				
						CLV TOTAL=	467

Evening Peak Hour							
	Thru Volumes			+ Opposing Lefts			PM
Dir	VOL	x LUF	= Total	VOL	x LUF	= Total	CLV
NB	59	1.00	59				59
EB	712	0.37	263	0	0.00	0	263
WB	0	0.00	0				
						CLV TOTAL=	322

Scenario ID - TOT3

CRITICAL LANE VOLUME (CLV) METHODOLOGY

for Montgomery County

E/W Road: MD 124 **Date of Count:** 11/03/2015

N/S Road: MD 119 **Day of Count:** Tuesday

Conditions: Existing Traffic **Analyst:** Shulin Li

Peak: 7:45 -8:45

Peak: 5:00 -6:00

MD 119

	R	T	L
PM	29	367	64
AM	15	1406	263

MD 124

RT T L

	R	T	L
AM	31	384	250
PM	293	681	454

R T T L L

	PM	AM
L	138	28
T	427	609
R	119	228

L T T R

MD 124

L L T T R

	L	T	R
AM	126	209	296
PM	185	1274	237

MD 119

Capacity Analysis

Morning Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	AM CLV
NB	164	1.00	164	263	1.00	263	820
SB	1421	0.53	753	126	0.53	67	
EB	609	0.53	323	250	0.53	133	456
WB	384	0.53	204	28	1.00	28	
						CLV TOTAL=	**1,276**

Evening Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	PM CLV
NB	1274	0.53	675	64	1.00	64	739
SB	396	0.53	210	185	0.53	98	
EB	427	0.53	226	454	0.53	241	499
WB	681	0.53	361	138	1.00	138	
						CLV TOTAL=	**1,238**

Scenario ID - EXIST4

CRITICAL LANE VOLUME (CLV) METHODOLOGY

for Montgomery County

E/W Road: MD 124 **Date of Count:** 11/03/2015

N/S Road: MD 119 **Day of Count:** Tuesday

Conditions: Background Traffic **Analyst:** Shulin Li

Peak: 7:45 -8:45

Peak: 5:00 -6:00

MD 119

	R	T	L
PM	29	394	90
AM	15	1546	402

MD 124

RT T L

	R	T	L
R	53	412	
T	406	800	
L	250	454	
	AM	PM	

R
T
T
L
L

	PM	AM
L	138	28
T	453	748
R	119	228

L
T
T
R

MD 124

L L T T R

	L	T	R
AM	126	231	296
PM	185	1394	237

MD 119

Capacity Analysis

Morning Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	AM CLV
NB	164	1.00	164	402	1.00	402	894
SB	1561	0.53	827	126	0.53	67	
EB	748	0.53	396	250	0.53	133	529
WB	406	0.53	215	28	1.00	28	
						CLV TOTAL=	**1,423**

Evening Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	PM CLV
NB	1394	0.53	739	90	1.00	90	829
SB	423	0.53	224	185	0.53	98	
EB	453	0.53	240	454	0.53	241	562
WB	800	0.53	424	138	1.00	138	
						CLV TOTAL=	**1,391**

Scenario ID - BACK4

CRITICAL LANE VOLUME (CLV) METHODOLOGY

for Montgomery County

E/W Road: MD 124 **Date of Count:** 11/03/2015

N/S Road: MD 119 **Day of Count:** Tuesday

Conditions: Total Traffic **Analyst:** Shulin Li

Peak: 7:45 -8:45

Peak: 5:00 -6:00

MD 119

	R	T	L
PM	33	399	90
AM	16	1547	402

MD 124

RT T L

	R	T	L
R	53	412	
T	410	814	
L	254	468	
	AM	PM	

R
T
T
L
L

	PM	AM
L	143	38
T	467	777
R	124	238

L
T
T
R

MD 124

L L T T R

	L	T	R
AM	128	231	296
PM	194	1394	237

MD 119

Capacity Analysis

Morning Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	AM CLV
NB	161	1.00	161	402	1.00	402	896
SB	1563	0.53	828	128	0.53	68	
EB	777	0.53	412	254	0.53	135	547
WB	410	0.53	217	38	1.00	38	
						CLV TOTAL=	**1,443**

Evening Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	PM CLV
NB	1394	0.53	739	90	1.00	90	829
SB	432	0.53	229	194	0.53	103	
EB	467	0.53	248	468	0.53	248	574
WB	814	0.53	431	143	1.00	143	
						CLV TOTAL=	**1,403**

Scenario ID - TOT4

CRITICAL LANE VOLUME (CLV) METHODOLOGY

for Montgomery County

E/W Road: Arch Place
N/S Road: Booth Street
Conditions: Existing Traffic

Date of Count: 11/12/2015
Day of Count: Thursday
Analyst: Shulin Li

Peak: 8:15 -9:15
Peak: 5:30 -6:30

BOOTH STREET

	T	L
PM	204	32
AM	110	15

TL

LR

	R	L
AM	5	14
PM	8	8

ARCH PLACE

TR

	T	R
AM	133	9
PM	200	29

BOOTH STREET

Capacity Analysis

Morning Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	AM CLV
WB	19	1.00	19				19
NB	142	1.00	142	15	1.00	15	157
SB	125	1.00	125				
						CLV TOTAL=	**176**

Evening Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	PM CLV
WB	16	1.00	16				16
NB	229	1.00	229	32	1.00	32	261
SB	236	1.00	236				
						CLV TOTAL=	**277**

Scenario ID - EXIST5

CRITICAL LANE VOLUME (CLV) METHODOLOGY

for Montgomery County

E/W Road: Arch Place
N/S Road: Booth Street
Conditions: Background Traffic

Date of Count: 11/12/2015
Day of Count: Thursday
Analyst: Shulin Li

Peak: 8:15 -9:15
Peak: 5:30 -6:30

BOOTH STREET

	T	L
PM	204	32
AM	110	15

TL

LR

	R	L
AM	5	14
PM	8	8

ARCH PLACE

TR

	T	R
AM	133	9
PM	200	29

BOOTH STREET

Capacity Analysis

Morning Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	AM CLV
WB	19	1.00	19				19
NB	142	1.00	142	15	1.00	15	157
SB	125	1.00	125				
						CLV TOTAL=	**176**

Evening Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	PM CLV
WB	16	1.00	16				16
NB	229	1.00	229	32	1.00	32	261
SB	236	1.00	236				
						CLV TOTAL=	**277**

Scenario ID - BACK5

CRITICAL LANE VOLUME (CLV) METHODOLOGY

for Montgomery County

E/W Road: Arch Place
N/S Road: Booth Street
Conditions: Total Traffic

Date of Count: 11/12/2015
Day of Count: Thursday
Analyst: Shulin Li

Peak: 8:15 -9:15
Peak: 5:30 -6:30

BOOTH STREET

	T	L
PM	204	63
AM	110	23

TL

LR

	R	L
AM	15	14
PM	13	8

ARCH PLACE

TR

	T	R
AM	133	20
PM	200	68

BOOTH STREET

Capacity Analysis

Morning Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	AM CLV
WB	29	1.00	29				29
NB	153	1.00	153	23	1.00	23	176
SB	133	1.00	133				
						CLV TOTAL=	**205**

Evening Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	PM CLV
WB	21	1.00	21				21
NB	268	1.00	268	63	1.00	63	331
SB	267	1.00	267				
						CLV TOTAL=	**352**

Scenario ID - TOT5

CRITICAL LANE VOLUME (CLV) METHODOLOGY

for Montgomery County

E/W Road Name: Site Access
N/S Road Name: MD 119
Conditions: Total Traffic

Date of Count:
Day of Count:
Analyst: Shulin Li

AM Peak: 07:30-8:30
PM Peak: 04:00-5:00

MD 119 SB

19	972	**PM**
5	2034	**AM**
R	**T**	

RT T

SITE ACCESS

PM	AM	
0	0	L
19	39	R

R

MD 119 SB

Capacity Analysis

Morning Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	AM CLV
EB	39	1.00	39				39
NB	0	0.00	0				1081
SB	2039	0.53	1081	0	0.00	0	
						CLV TOTAL=	**1,120**

Evening Peak Hour

Dir	Thru Volumes VOL	x LUF	= Total	+ Opposing Lefts VOL	x LUF	= Total	PM CLV
EB	19	1.00	19				19
NB	0	0.00	0				525
SB	991	0.53	525	0	0.00	0	
						CLV TOTAL=	**544**

Scenario ID - TOT6

APPENDIX C

Trip Assignment for Approved Developments

From: Trudy Schwarz [mailto:TSchwarz@gaithersburgmd.gov]
Sent: Monday, October 19, 2015 3:53 PM
To: Ollie Mumpower; Glenn Cook
Subject: RE: Kentlands Apartments

Glenn:
Thanks for the email:

As far as projects in the City's Pipeline of Development, please go to the following link:
http://www.gaithersburgmd.gov/~/media/city/documents/demographics/pipeline_development_report.pdf

On the list under **Kentlands** (Page 1 of the PDF) there is an office building with 30,000 square feet listed but I believe that it is located on the site proposed for the project that you are studying. Therefore the Lowe's would be the applicable use for your study from the Kentlands area.
The second area to review is **Quince Orchard Park** and specifically MedImmune: Ridges, Summit and Meadows. Note that the daycare is specifically for MedImmune Employees, but does have a staff of about 25 people.

I hope this helps. There is a map at the rear of the document, which shows locations of the projects.

If you have any questions, just send an email or call. If I am not here, you can also talk with Kirk Eby.
Trudy
Trudy M. Walton Schwarz, CFM
Community Planning Manager
Planning and Code Administration
City of Gaithersburg
31 South Summit Avenue
Gaithersburg, Maryland 20877
Phone: 301-258-6330
Fax: 301-258-6336
City Web Site: www.gaithersburgmd.gov

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The opinions expressed in this message are not necessarily those of the City of Gaithersburg Staff, Mayor or Council

From: Ollie Mumpower
Sent: Monday, October 19, 2015 1:59 PM
To: Glenn Cook
Cc: Trudy Schwarz
Subject: RE: Kentlands Apartments

The study area should be fine with the modification detailed below. Arch Place is the access thru the adjoining property from Booth Street. I have copied Community Planning Manager Trudy Schwarz on this email. Trudy should be able to assist in the compiling of any background traffic.

Ollie K. Mumpower
Engineering Services Division Chief
Department of Public Works
800 Rabbitt Road Gaithersburg, Maryland 20878-1600 301-258-6370 Ext. 106
301-258-6375 FAX
301-258-6430 TTY

CITY OF GAITHERSBURG
JULY 2015
DWELLING UNITS AND ESTIMATED POPULATION
PIPELINE DEVELOPMENT (APPROVED NOT YET BUILT)

Completed 2015 Projects are highlighted | Completed 2014 Projects are highlighted | Completed 2011-2013 Projects are highlighted | Completed 2005-2010 Projects are highlighted | Projects with expired final site plan approval (not built, but still have preliminary plan approval)

**** Plans with conceptual approvals that are unlikely to be constructed in the near future.*** Other Type: C = Community, D = Research & Development, E = Educational, H = Healthcare/Medical, I = Institutional, L = Lodging/Hotel, M = Manufacturing/Industrial, R = Religious, RR = Recreation, W = Warehouse; U = Unknown

					DWELLING UNITS				URRENT/ESTIMATED POPULATIO			COMMERCIAL DEVELOPMENT								
SUBDIVISION SECTION/PHASE	H C R	COG TAZ	UNIT TYPE	IR SR	UNIT TOTAL	UNITS COMPL.	OTHER USES	TO BE COMPL.	CURRENT POP.	FUTURE GROWTH	FUTURE POP.	RETAIL (SQ FT)	RESTAURANT (SQ FT)	OFFICE (SQ FT)	HOTEL (ROOMS)	OTHER TYPE	OTHER (SQ FT)	MAP KEY	PLAN NUMBER	ADDRESS
ASBURY					**106**	**43**	**0**	**63**	**132**	**152**	**284**									
* MANOR HOMES	R	514	GA	SR	60	0	0	60	0	142	142							1	SP-07-0010	
* ASBURY HOUSE FOR BETTY (107-111	R	514	SFD	SR	3	0	0	3	0	10	0							2	SP-11-0003	107-111 RUSSELL AVENUE
NORTH VILLAGE DUPLEXES	R	514	TH	SR	43	43	0	0	132	0	132								SP-07-0001	
BROWN'S ADDITION		**743**	**SFD**		**1**	**1**	**0**	**0**	**3**	**0**	**3**								SP-10-0005	13 MILLS RD
CROWN					**2,248**	**731**	**6**	**1,511**	**1,829**	**3,363**	**5,193**	**287,760**	**22,186**	**10,054**	**0**		**8,725**	3	X-182 SDP-06-005 SP-07-0004 SP-07-0013	
CAPITAL ONE BANK - NEIGHBORHOOD 1		732			0	0	0	0	0	0	0			3,795				3	AFP-0747-2012 SP-11-0013	503 COPLEY PL
COMMERCIAL (STAND-ALONE) - NBRHD 1		732			0	0	0	0	0	0	0	69,646	22,186	3,259				3	SP-11-0012	299-307 COPLEY,
HARRIS TEETER - NEIGHBORHOOD 1		732			0	0	0	0	0	0	0	57,652						3	AFP-0951-2012 SP-11-0012	323 COPLEY PL
TOWNHOUSES - NEIGHBORHOOD 1		732	TH		51	0	0	51	0	157	157							3	1-0018 SP-11-0012 AFP-6304-2014	
CADENCE AT CROWN (BOZZUTO/JBG) - NBR		732	GA		538	538	0	0	1,277	0	1,277	106,940	0	3,000				3	SP-11-0018 SP-11-0012	
RYLAND 2/2 CONDOS - NEIGHBORHOOD 1		732	GC		70	30	0	40	51	68	119							3	SDP-1842-13 SP-3061-13	
MULTIFAMILY - NBRHD 1 (PHASE 2)		732	GA		375	0	0	375	0	890	890	33,522						3	SDP-11-001	
DETACHED HOUSES - NEIGHBORHOOD 2		732	SFD		60	0	1	59	0	193	193							4	1-0011 SDP-11-001 AFP-6072-2014	
TOWNHOUSES - NEIGHBORHOOD 2		732	TH		286	163	5	118	501	363	864							4	011 ADSP-5642-2014 AFP-5491-2014	
HOA CLUBHOUSE - NEIGHBORHOOD 3		732			0	0	0	0	0	0	0					C	8,725	5	ASDP-3306-13 SP-3257-13	
DETACHED HOUSES - NEIGHBORHOOD 3		732	SFD		113	0	0	113	0	370	370							5	-07-0013 SP-07-0004 SDP-06-005	
TOWNHOUSES - NEIGHBORHOOD 3		732	TH		145	0	0	145	0	446	446							5	-07-0013 SP-07-0004 SDP-06-005	
2/2 CONDOMINIUMS - NEIGHBORHOOD 3		732	GC		30	0	0	30	0	51	51							5	-07-0013 SP-07-0004 SDP-06-005	
HIGH-RISE CONDOMINIUMS - NBRHD 5		732	HRC		580	0	0	580	0	826	826	20,000						5	Z-310 X-182	
CROWN POINTE					**68**	**68**	**0**	**0**	**212**	**0**	**212**								SP-05-0004	
DETACHED HOUSES	H	732	SFD		13	13	0	0	43	0	43								AFP-10-034	
TOWNHOUSES	H	732	TH		55	55	0	0	169	0	169									
DIAMOND FARMS					0	0	0	0	0	0	0									
BROWN STATION ELEMENTARY SCHOOL		411			0	0	0	0	0	0	0					E	52,725	6	SP-5445-2014	851 QUINCE ORCHARD BLVD
LOT 1 BLOCK C (5 BANK ST)		411			0	0	0	0	0	0	0			3,876					SP-07-0007	5 BANK ST
QUINCE ORCHARD PLAZA (ALDI)		411			0	0	0	0	0	0	0	761						7	AFP-4065-2013	608 QUINCE ORCHARD RD
QUINCE ORCHARD PLAZA (LA FITNESS)		411			0	0	0	0	0	0	0	12,556							AFP-11-023	602 QUINCE ORCHARD RD
14 FIRSTFIELD RD		411			0	0	0	0	0	0	0			99,780				8	CSP-02-002 SP-02-0006	14 FIRSTFIELD RD
17B FIRSTFIELD RD		411			0	0	0	0	0	0	0			19,740					AFP-04-025	17B FIRSTFIELD RD
*** FAIRGROUNDS**		482	GA		1,350	0	0	1,350	0	3,205	3,205	150,000		1,000,000				9	Z-316	51 EDISON PARK DR
*** GE TECH PARK/GBURG AQUATIC CENTER**	H	750			0	0	0	0	0	0	0					I	62,897	10	SP-07-0019	51 EDISON PARK DR
HIDDEN CREEK					**757**	**757**	**0**	**0**	**1,960**	**0**	**1,960**								SP-03-0008 SP-03-0009	
GLEN AT HIDDEN CREEK (LAND BAY I	H	512	SFD		16	16	0	0	52	0	52									
GLEN AT HIDDEN CREEK (LAND BAY I	H	512	TH		325	325	0	0	999	0	999									
GLEN AT HIDDEN CREEK (LAND BAY I	C	512	GC		116	116	0	0	197	0	197									
HIDDEN CREEK APT HOMES (SUMMIT CTR)		512	GA		300	300	0	0	712	0	712	4,000		1,200		RR	6,800		SP-10-0003 Z-307(A) SDP-09-0	GIRARD ST / N SUMMIT AVE
KENTLANDS					**309**	**309**	**0**	**0**	**527**	**0**	**527**									
CHICK-FIL-A	H	750			0	0	0	0	0	0	0		19						APF-11-027	104 MAIN ST
GATEHOUSE (CORNER STORE)	H	407	GA		1	1	0	0	2	0	2					E	5,200		AFP-07-038 AFP-06-036	4 KENT GARDENS CIR
* KENTLANDS OFFICE BLDG (913 Q O RD)		750			0	0	0	0	0	0	0			30,000				11	SDP-01-007	913 QUINCE ORCHARD RD
LOWE'S - ADDITION		750			0	0	0	0	0	0	0	2,200						12	AFP-6695-2015	40 MARKET ST
OLDE FARM NBRHD (FORMER FIREHOUSE)		750	SFD		1	1	0	0	3	0	3							13	AFP-2273-2013	321 FIREHOUSE LA
NOT YOUR AVERAGE JOE'S - OUTDR STNG		750			0	0	0	0	0	0	0		1,250						AFP-12-005	245 KENTLANDS BLVD
SUAL CENTER - 60-84 MARKET ST		750			0	0	0	0	0	0	0	17,686		22,405					SP-03-0002	60-84 MARKET ST
THE COLONNADE (ARCHSTONE)		750	GC		307	307	0	0	521	0	521	13,193							SP-02-0012	
LAKELANDS					**0**	**0**	**0**	**0**	**0**	**0**	**0**									
500 MAIN ST		750			0	0	0	0	0	0	0	7,102		20,698					SP-03-0004	500 MAIN ST

CITY OF GAITHERSBURG
JULY 2015
DWELLING UNITS AND ESTIMATED POPULATION
PIPELINE DEVELOPMENT (APPROVED NOT YET BUILT)

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					DWELLING UNITS				URRENT/ESTIMATED POPULATIO			COMMERCIAL DEVELOPMENT								
SUBDIVISION SECTION/PHASE	H C R	COG TAZ	UNIT TYPE	IR SR	UNIT TOTAL	UNITS COMPL.	OTHER USES	TO BE COMPL.	CURRENT POP.	FUTURE GROWTH	FUTURE POP.	RETAIL (SQ FT)	RESTAURANT (SQ FT)	OFFICE (SQ FT)	HOTEL (ROOMS)	OTHER TYPE	OTHER (SQ FT)	MAP KEY	PLAN NUMBER	ADDRESS
PHASE I SECTION 2 URBAN COTTAGES	H	750	GA		2	2	0	0	5	0	5							14	AFP-3705-13 AFP-3440-13	962 FEATHERSTONE MEWS, 715 LAK
MAPLE HILL (JACKSON / HABITAT FOR HUM	**H**	**512**	**TH**		**19**	**19**	**0**	**0**	**58**	**0**	**58**							**15**	**SP-11-0009**	**APLE HILL CT/9000 EMORY GROVE I**
MEEM'S ADDITION		**744**	**SFD**		**1**	**1**	**0**	**0**	**3**	**0**	**3**								**SP-04-0005**	**106 CHESTNUT ST**
METROPOLITAN GROVE PARK					**0**	**0**	**0**	**0**	**0**	**0**	**0**									
DIGENE (LOT 17)		413			0	0	0	0	0	0	0			33,160					SP-03-0015	1201 CLOPPER RD
LOT 10		413			0	0	0	0	0	0	0			40,200				16	SP-01-0016	21 METROPOLITAN GROVE RD
LOT 18		413			0	0	0	0	0	0	0			112,000				17	S-1092	2 W WATKINS MILL RD
POLICE VEHICLE RECOVERY		413			0	0	0	0	0	0	0					I	11,492		AFP-06-018	305 METROPOLITAN GROVE RD
NORTH FREDERICK AVE					**300**	**0**	**0**	**300**	**0**	**427**	**427**									
BREWSTER'S ICE CREAM		479			0	0	0	0	0	0	0	1,216							AFP-05-008	18519 N FREDERICK AVE
COSTCO (FOOD COURT)		481			0	0	0	0	0	0	0	1,144							AFP-09-015	880 RUSSELL AVE
COSTCO (ADDITION)		481			0	0	0	0	0	0	0	5,596						18	AFP-10-016 AFP-10-010	880 RUSSELL AVE
COSTCO (COOLER ADDITION)		481			0	0	0	0	0	0	0	1,750						18	AFP-4819-2014	880 RUSSELL AVE
FITZGERALD TOYOTA CAR WASH/MEZZANI		479			0	0	0	0	0	0	0	17,698						19	AFP-1364-2012	18707 N FREDERICK AVE
FITZGERALD CAR SALES		479			0	0	0	0	0	0	0	3,722						20	SP-4495-2014	N FREDERICK AVE
* HUMANE SOCIETY OF THE U.S.		480	HRC		300	0	0	300	0	427	427			342,500				21	Z-3136-2013	700 PROFESSIONAL DR
LAKEFOREST ANIMAL HOSPITAL		479			0	0	0	0	0	0	0			4,530				22	SP-12-0005	18645 N FREDERICK AVE
LAKEVIEW PROFESSIONAL CENTER		514			0	0	0	0	0	0	0			2,700					AFP-07-036	507 N FREDERICK AVE
LOCKHEED-MARTIN (NEW VESTIBULE)		480			0	0	0	0	0	0	0			4,560					AFP-09-004	700 N FREDERICK AVE
LOCKHEED-MARTIN (CAFETERIA ADDITION		480			0	0	0	0	0	0	0			5,900				23	SDP-6972-2015/AFP-6973-20	700 N FREDERICK AVE
MARYLAND CARPET & TILE		514			0	0	0	0	0	0	0	900		956		W	2,462	24	SDP-08-004 AFP-08-034	305 N FREDERICK AVE
MONUMENT TECH PARK (PHASE 1)		480			0	0	0	0	0	0	0			200,000				25	CSP-03-002 SP-03-0016	655 WATKINS MILL RD
MONUMENT TECH PARK (HAMPTON INN)		480			0	0	0	0	0	0	0				136	L	79,881	25	SP-07-0008 CSP-03-002	960 N FREDERICK AVE
MONUMENT TECH PARK (PHASE 2)		480			0	0	0	0	0	0	0			200,000				25	SP-07-0008 CSP-03-002	675 WATKINS MILL RD
MONUMENT TECH PARK (PHASE 3)		480			0	0	0	0	0	0	0			260,000				25	SP-07-0008 CSP-03-002	735 WATKINS MILL RD
ROSENTHAL AUTO CAR WASH		481			0	0	0	0	0	0	0	576							AFP-06-008	621 N FREDERICK AVE
SAM'S CLUB		482			0	0	0	0	0	0	0	2,675							AFP-08-036	610 N FREDERICK AVE
SENECA CENTER		479			0	0	0	0	0	0	0					W	91,920		SP-05-0009	18753 N FREDERICK AVE
SHEEHY FORD ADDITION		481			0	0	0	0	0	0	0	3,073						26	AFP-1668-2013	901 N FREDERICK AVE
SHEEHY FORD ADDITION #2		481			0	0	0	0	0	0	0	756						26	AFP-5053-2014	901 N FREDERICK AVE
VCA ANIMAL HOSPITAL		482			0	0	0	0	0	0	0					H	2,500		AFP-08-020	500 PERRY PKWY
TRAVIS AVE SELF STORAGE (DUANE)		479			0	0	0	0	0	0	0					W	100,000		SP-07-0003	300 OLD GAME PRESERVE RD
OBSERVATORY HEIGHTS		**743**	**SFD**		**4**	**3**	**0**	**1**	**10**	**3**	**13**							**27**	**AFP-06-047 SP-05-0002 SP-0**	**112, 126 GEORGE ST; 27 SPRING ST**
OLDE TOWNE					**955**	**565**	**0**	**338**	**1,323**	**802**	**2,126**	**12,893**	**0**	**20,444**			**1,440**			
ARCHSTONE GAITHERSBURG STATIO	R	513	GA		389	389	0	0	923	0	923	17,030		1,945					SP-08-0001 CSP-07-005	316-408 EAST DIAMOND AVE
CEDAR COURT (CONVERT COM TO 4 A	R	515	GA		79	79	0	0	188	0	188	-2,400						28	FP-0893-2012 CIMP-2398-20	108 OLDE TOWNE AVE
CEDAR COURT (CONVERT COM TO 7 A	R	515	GA		0	0	0	0	0	0	0	-4,000							AFP-09-001	108 OLDE TOWNE AVE
* DIAMOND ACRES APTS	R	743	GA		35	35	0	-35	83	-83	0							29	SP-08-0008 Z-308(o)	49 WEST DIAMOND AVE
* DIAMOND HOUSE APTS	R	743	GA		17	17	0	-17	40	-40	0							29	SP-08-0008 Z-308(o)	1 & 3 WATER ST
* GUATEMALTECA BAKERY		514			0	0	0	0	0	0	0			2,500				30	SP-09-003 CSP-08-001	207 EAST DIAMOND AVE
IDENTITY COMMUNITY CENTER		513			0	0	0	0	0	0	0					I	1,440	31	AFP-11-030	414 EAST DIAMOND AVE
NEW OLDE TOWNE YOUTH CENTER		513			0	0	0	0	0	0	0					I	6,480		SP-07-0018	301 TEACHERS WAY
* RESIDENCES AT OLDE TOWNE	R	743	GA		191	0	0	191	0	453	453							29	SP-08-0008 Z-308(o)	WATER ST @ WEST DIAMOND AVE
SUMMIT CROSSING (BOZZUTO) COTTA	C	514	TH		9	9	0	0	28	0	28								SP-05-0011	PARK AVE @ N SUMMIT AVE
SUMMIT CROSSING (BOZZUTO) 2/2 CO	C	514	GC		36	36	0	0	61	0	61								AFP-11-028 SP-05-0011	PARK AVE @ N SUMMIT AVE
"Y" SITE	R	515	GA		199	0	0	199	0	472	472							32	SP-11-0002	200 OLDE TOWNE AVE
10 BROOKES AVE		514			0	0	0	0	0	0	0			2,470					SP-06-0011	10 BROOKES AVE
* 12 RUSSELL AVE		514			0	0	0	0	0	0	0			1,962				33	SP-06-0012	12 RUSSELL AVE

CITY OF GAITHERSBURG
JULY 2015
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SUBDIVISION SECTION/PHASE	H C R	COG TAZ	UNIT TYPE	IR SR	UNIT TOTAL	UNITS COMPL.	OTHER USES	TO BE COMPL.	CURRENT POP.	FUTURE GROWTH	FUTURE POP.	RETAIL (SQ FT)	RESTAURANT (SQ FT)	OFFICE (SQ FT)	HOTEL (ROOMS)	OTHER TYPE	OTHER (SQ FT)	MAP KEY	PLAN NUMBER	ADDRESS
* 13 PARK AVE		514			0	0	0	0	0	0	0			9,000				34	SP-12-0004	13 PARK AVE
201 EAST DIAMOND AVE		514			0	0	0	0	0	0	0		2,110	6,425					CSP-07-002 SP-07-0015	201 EAST DIAMOND AVE
438 EAST DIAMOND AVE		513			0	0	0	0	0	0	0	2,263		4,525				35	SP-11-0008 AFP-00577-2012	438 EAST DIAMOND AVE
442 EAST DIAMOND AVE		513			0	0	0	0	0	0	0			512				36	AFP-5037-2014	442 EAST DIAMOND AVE
*** ORCHARD POND**	**R**	**413**	**GA**		**1,410**	**747**	**0**	**663**	**1,773**	**1,574**	**3,347**						**1,425,571**		**SDP-09-001 Z-312**	**CLOPPER RD @ FIRSTFIELD RD**
PHASE 1 (E OF FIRSTFIELD RD)	R	413	**GA**		410	156	0	254	370	603	973					C	9,000	37	SDP-09-001 Z-312	CLOPPER RD @ FIRSTFIELD RD
PHASE 2 (W OF FIRSTFIELD RD) - estima	R	413	**GA**		1,000	591	0	409	1,403	971	2,374					*U*	*1,416,571*	38	SDP-09-001 Z-312	CLOPPER RD @ FIRSTFIELD RD
PHEASANT RUN		**411**			0	0	0	0	0	0	0					**I**	**7,500**		**SP-03-0010**	**801 RABBITT RD**
QUINCE ORCHARD PARK					**83**	**83**	**0**	**0**	**214**	**0**	**214**									
Q O CRESCENTS		749			0	0	0	0	0	0	0			9,900		E	13,000		SDP-06-002	900 WIND RIVER LA
MEDIMMUNE - AREA 5		749			0	0	0	0	0	0	0			142,000				39	SP-05-0001	1 MEDIMMUNE WAY
MEDIMMUNE - AREA 6		749			0	0	0	0	0	0	0			250,000				39	SP-08-0006 SDP-08-002	1 MEDIMMUNE WAY
MEDIMMUNE - THE RIDGES		749			0	0	0	0	0	0	0			908,000				39	X-129 Z-2730-2013	1 MEDIMMUNE WAY
MEDIMMUNE - THE SUMMIT		749			0	0	0	0	0	0	0			298,000				40	Z-2730-2013	101 ORCHARD RIDGE DR
MEDIMMUNE - THE MEADOWS		749			0	0	0	0	0	0	0			280,000				41	Z-2730-2013	ORCHARD RIDGE DR
MEDIMMUNE DAY CARE (MEADOWS)		749			0	0	0	0	0	0	0					C	20,000	41	SDP-6905-2015	501 ORCHARD RIDGE DR
VISTAS DETACHED		749	SFD		13	13	0	0	43	0	43							42	SP-07-0020 SDP-04-001	
VISTAS TOWNHOUSES		749	TH		38	38	0	0	117	0	117							42	SP-07-0020 SDP-04-001	
VISTAS 2/2 CONDOS		749	GC		32	32	0	0	54	0	54							42	SP-07-0020 SDP-04-001	
QUINCE TREE EXECUTIVE CENTER					**0**	**0**	**0**	**0**	**0**	**0**	**0**									
COMMERCE BANK		412			0	0	0	0	0	0	0			4,100					SP-06-0001	810 W DIAMOND AVE
CRISWELL USED CARS		412			0	0	0	0	0	0	0	7,086							SP-11-0007	499 QUINCE ORCHARD RD
CRISWELL CHEVROLET		412			0	0	0	0	0	0	0	850							AFP-10-020	503 QUINCE ORCHARD RD
CRISWELL FIAT SERVICE CENTER		412			0	0	0	0	0	0	0	8,490						43	AFP-11-016	86 BUREAU DRIVE
DOGFISH HEAD - PATIO ENCLOSURE		412			0	0	0	0	0	0	0		506					44	AFP-6308-2014	800 W DIAMOND AVE
GAITHERSBURG MEDICAL CENTER		412			0	0	0	0	0	0	0			2,020					SP-10-0004	808 W DIAMOND AVE
*** RASHIDIAN ESTATES**		**515**	**SFD**		**4**	**1**	**0**	**3**	**3**	**10**	**13**							45	SP-04-0007 AFP-07-005	100 CENTRAL AVE, 4-12 CENTRAL CT
SEARS ADDITION TO SHADY GROVE		**519**			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**-179,777**		**225,000**			**-10,200**	46	SDP-1747-2013	16401 SHADY GROVE RD
CARMAX		**519**			**0**	**0**	**0**	**0**	**0**	**0**	**0**	20,223						46	SDP-1747-13 ADSP-3442-13	16411 SHADY GROVE RD
CARMAX - FUTURE OFFICE BUILDING		**519**			**0**	**0**	**0**	**0**	**0**	**0**	**0**			225,000				46	SDP-1747-13 ASK-1746-13	16383 SHADY GROVE RD
THE GREAT INDOORS/SEARS		**519**			**0**	**0**	**0**	**0**	**0**	**0**	**0**	-200,000				M	-10,200	46	SDP-1747-2013	16331 & 16401 SHADY GROVE RD
SOUTH FREDERICK AVENUE					**301**	**123**	**4**	**175**	**288**	**413**	**701**									
311 SOUTH FREDERICK FLOWER SHOP		515	SFD		-1	-1	0	0	-3	0	-3	1,530						47	CSP-12-001 SP-0942-12	311 S FREDERICK AVE
DR. NOOR DENTIST - PORCH ENCLOSURE		743			0	0	0	0	0	0	0			210				48	AFP-6540-2014	106 S FREDERICK AVE
FLOWERS APTS (WAYNE GARDENS)		515	GA		32	32	0	0	76	0	76							49	CSP-04-001 AFP-08-028	511 S FREDERICK AVE
GAITHERSBURG HIGH SCHOOL		743			0	0	0	0	0	0	0					I	27,178		SP-03-0011	314 S FREDERICK AVE
GAITHERSBURG HIGH SCHOOL MODERNIZA		743			0	0	0	0	0	0	0					I	427,048		AFP-10-031	101 EDUCATION BLVD
GOOD SHEPHARD LUTHERAN CHURCH		740			0	0	0	0	0	0	0					R	20,226		AFP-06-055	16420 S WESTLAND DR
HOSPICE CARING (ADDITION)		743			0	0	0	0	0	0	0			1,037					AFP-06-020	518 S FREDERICK AVE
MASSOUD PROPERTY		515			0	0	0	0	0	0	0		311						AFP-11-021	303 S FREDERICK AVE
SAINT MARTIN'S CONVENT		743	GQ		4	4	0	0	4	0	4								AFP-08-022	7 GEORGE ST / 110 S FREDERICK AVE
* SUITES 355 (EXECUTIVE GARDENS)		743	GA		263	85	1	178	202	423	624							50	Z-309 SDP-08-005	12-16 S FREDERICK AVE
* WILSON PROPERTY		743	SFD		3	3	3	-3	10	-10	0			22,222				51	Z-311 CSP-09-001	206 S FREDERICK AVE
THE SPECTRUM AT WATKINS MILL (CASEY EAST)					**623**	**224**	**0**	**399**	**532**	**947**	**1,479**	**46,310**	**37,200**	**72,100**		**I**	**58,293**	52	SDP-11-002 SP-09-0004	FREDERICK AVE @ WATKINS MILL R
PARAMOUNT EAST (230 SPECTRUM A	R	480	GA		114	114	0	0	271	0	271							52	SP-09-0004 AFP-09-021	
PARAMOUNT WEST (231 SPECTRUM A	R	480	GA		110	110	0	0	261	0	261							52	SP-09-0004 AFP-09-021	
THE MAJESTIC	R	480	GA		241	0	0	241	0	572	572							52	SP-12-0002 SDP-11-002	
AGE-RESTRICTED MULTIFAMILY		480	GA	AR	158	0	0	158	0	375	375							52	SDP-11-002	

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CITY OF GAITHERSBURG
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SUBDIVISION SECTION/PHASE	H C R	COG TAZ	UNIT TYPE	IR SR	UNIT TOTAL	UNITS COMPL.	OTHER USES	TO BE COMPL.	CURRENT POP.	FUTURE GROWTH	FUTURE POP.	RETAIL (SQ FT)	RESTAURANT (SQ FT)	OFFICE (SQ FT)	HOTEL (ROOMS)	OTHER TYPE	OTHER (SQ FT)	MAP KEY	PLAN NUMBER	ADDRESS
WASHINGTONIAN CENTER					0	0	0	0	0	0	0									
TARA THAI ADDITION		741			0	0	0	0	0	0	0		810						AFP-12-006 AFP-09-023	9811 WASHINGTONIAN BLVD
WASHINGTONIAN NORTH - CAMDEN APTS		741	GA		365	0	0	365	0	866	866	0						53	SDP-3878-2013 SP-6106-2014	WASHINGTONIAN BLVD
WASHINGTONIAN NORTH - LIFETIME FITNES		741			0	0	0	0	0	0	0	128,200						54	SDP-3878-2013 SP-5035-2014	WASHINGTONIAN BLVD
WASHINGTONIAN NORTH (FUTURE OFFICE)		741			0	0	0	0	0	0	0			240,000				55	SDP-3878-2013	10000 WASHINGTONIAN BLVD
WASHINGTONIAN SOUTH		741			0	0	0	0	0	0	0			196,864				56	SDP-07-002 SP-07-0009	9711 WASHINGTONIAN BLVD
WASHINGTONIAN SOUTH (FUTURE OFFICE)		741			0	0	0	0	0	0	0			203,136				56	SDP-07-002 SP-07-0009	9711 WASHINGTONIAN BLVD
WASHINGTONIAN WATERFRONT I		741			0	0	0	0	0	0	0	47,200			210	L	123,300		SP-01-0015 SP-03-0012 SP-04-0006	
WASHINGTONIAN WATERFRONT III		741			0	0	0	0	0	0	0	18,080		87,815					SP-04-0009	
WASHINGTONIAN WOODS		751			0	0	0	0	0	0	0					C	2,580		AFP-07-022	511 MIDSUMMER DR
WATKINS MILL TOWN CENTER					**1,066**	**414**	**2**	**650**	**1,093**	**1,022**	**2,115**	**126,095**	**89,444**	**936,650**	**394**			57	SDP-05-002	
DETACHED HOUSES & COTTAGES	H	413	SFD		94	80	1	13	262	43	305							57	SP-05-0013	
INTEGRAL TOWNHOUSES	H	413	TH		180	173	0	7	532	22	553							57	SP-05-0013	
UPTOWN ST 24' TOWNHOUSES	H	413	TH		20	19	1	0	58	0	58							57	SDP-05-002	
TOWN CENTER TOWNHOUSES (URBAN	H	413	TH		37	0	0	37	0	114	114							57	SDP-05-002	
2/2 CONDO TOWNHOUSES	C	413	GC		142	142	0	0	241	0	241							57	SP-05-0013	
HIGH-RISE CONDOS	C	413	HRC		593	0	0	593	0	844	844							57	SDP-05-002	
DEVLIN PROPERTY	H	413	TH		19	0	0	19	0	58	58							58	SDP-4560-2014	
WEST DEER PARK					**594**	**570**	**1**	**23**	**1,357**	**68**	**1,425**									
AMBER COMMONS (W DEER PARK AP	R	743	GA		198	198	0	0	470	0	470								SP-07-0016	70 W DEER PARK RD
SUMMIT HALL RESERVE TOWNHOUSE	H	743	TH		53	31	1	21	95	65	160							59	SP-11-0017 SDP-06-004	
SUMMIT HALL RESERVE 2/2 CONDOS	H	743	GC		28	26	0	2	44	3	48							59	SP-11-0017 SDP-06-004	
HIGHLAND SQUARE APTS (FAIRFIELD)	R	743	GA		315	315	0	0	748	0	748								SDP-06-004 SP-07-0012	
TOTALS †					**11,624**	**5,295**	**11**	**6,329**	**12,742**	**14,015**	**26,757**	**460,176**	**173,582**	**5,295,000**	**530**		**3,557,276**			

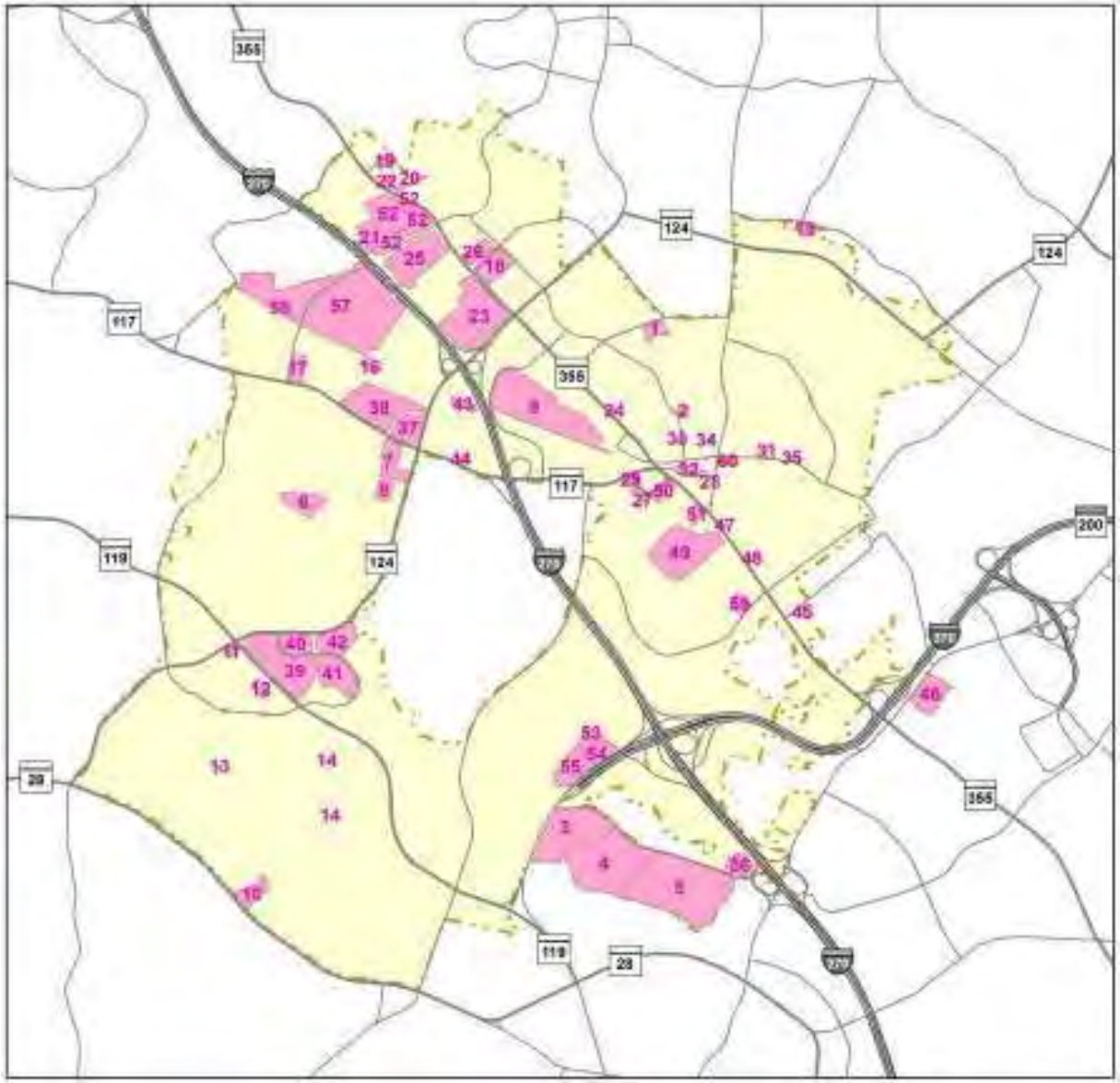
†Commercial totals do not include projects that have been completed or that have expired

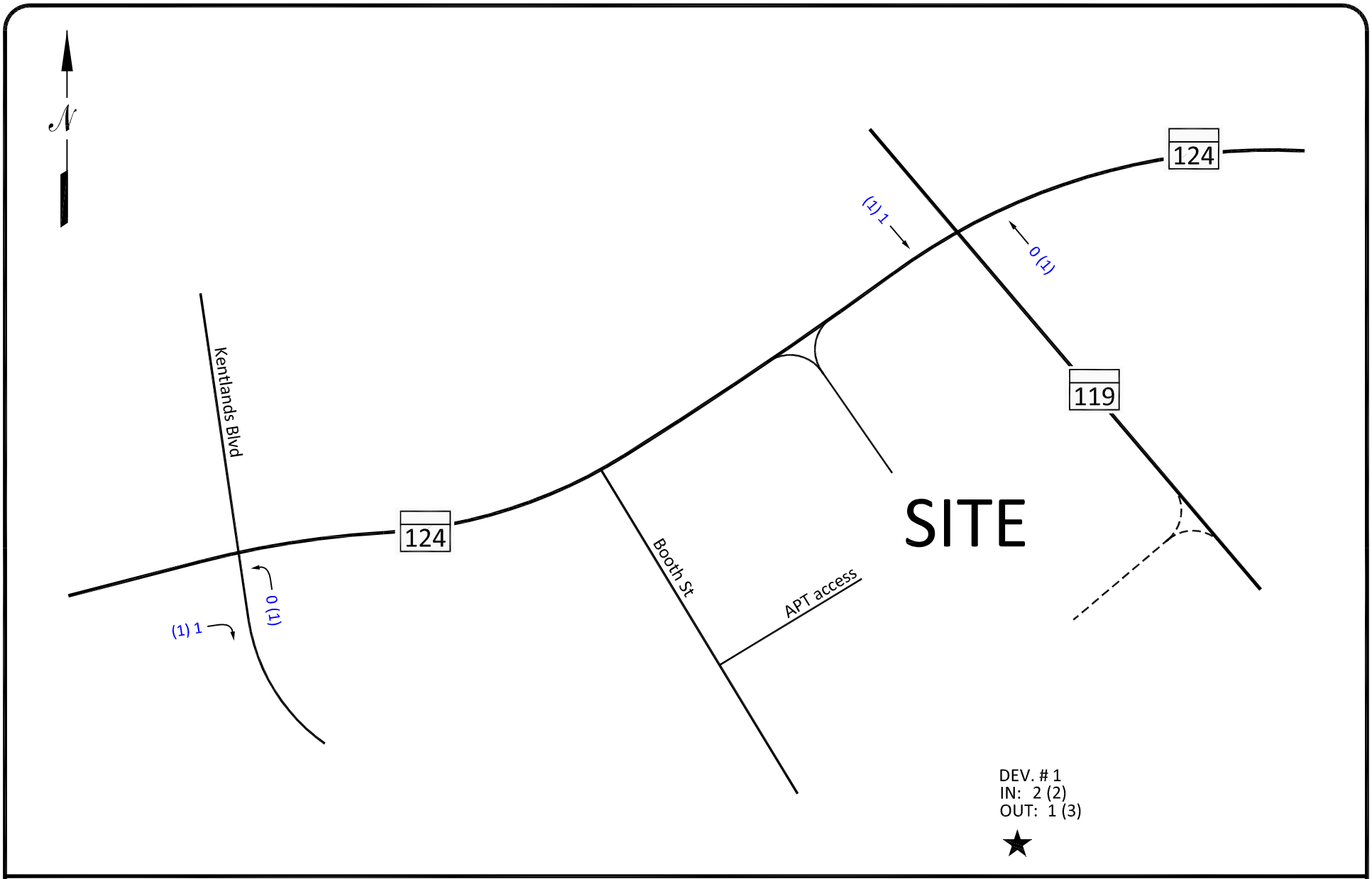
CITY OF GAITHERSBURG
JULY 2015
DWELLING UNITS AND ESTIMATED POPULATION
ANTICIPATED PIPELINE DEVELOPMENT (NOT YET SUBMITTED OR APPROVED)

					DWELLING UNITS				URRENT/ESTIMATED POPULATIO			COMMERCIAL DEVELOPMENT								
SUBDIVISION SECTION/PHASE	H C R	COG TAZ	UNIT TYPE	SR	UNIT TOTAL	UNITS COMPL.	OTHER USES	TO BE COMPL.	CURRENT POPLN.	FUTURE GROWTH	FUTURE POPLN.	RETAIL (SQ FT)	OFFICE (SQ FT)	OFFICE (SQ FT)	HOTEL (ROOMS)	OTHER TYPE	OTHER (SQ FT)	MAP KEY	PLAN NUMBER	ADDRESS
OLDE TOWNE					0	**0**	**0**	**0**	**0**	**0**	**0**									
FISHMAN BUILDING		513			0	0	0	0	0	0	0	9,875	29,625					60	N/A	315 EAST DIAMOND AVE
TOTALS					**0**	**0**	**0**	**0**	**0**	**0**	**0**	**9,875**	**29,625**	**0**	**0**		**0**			

MAP OF PIPELINE DEVELOPMENT

- Gaithersburg Pipeline Development
- Gaithersburg City Boundary
- Interstate
- State Highway
- Secondary Road



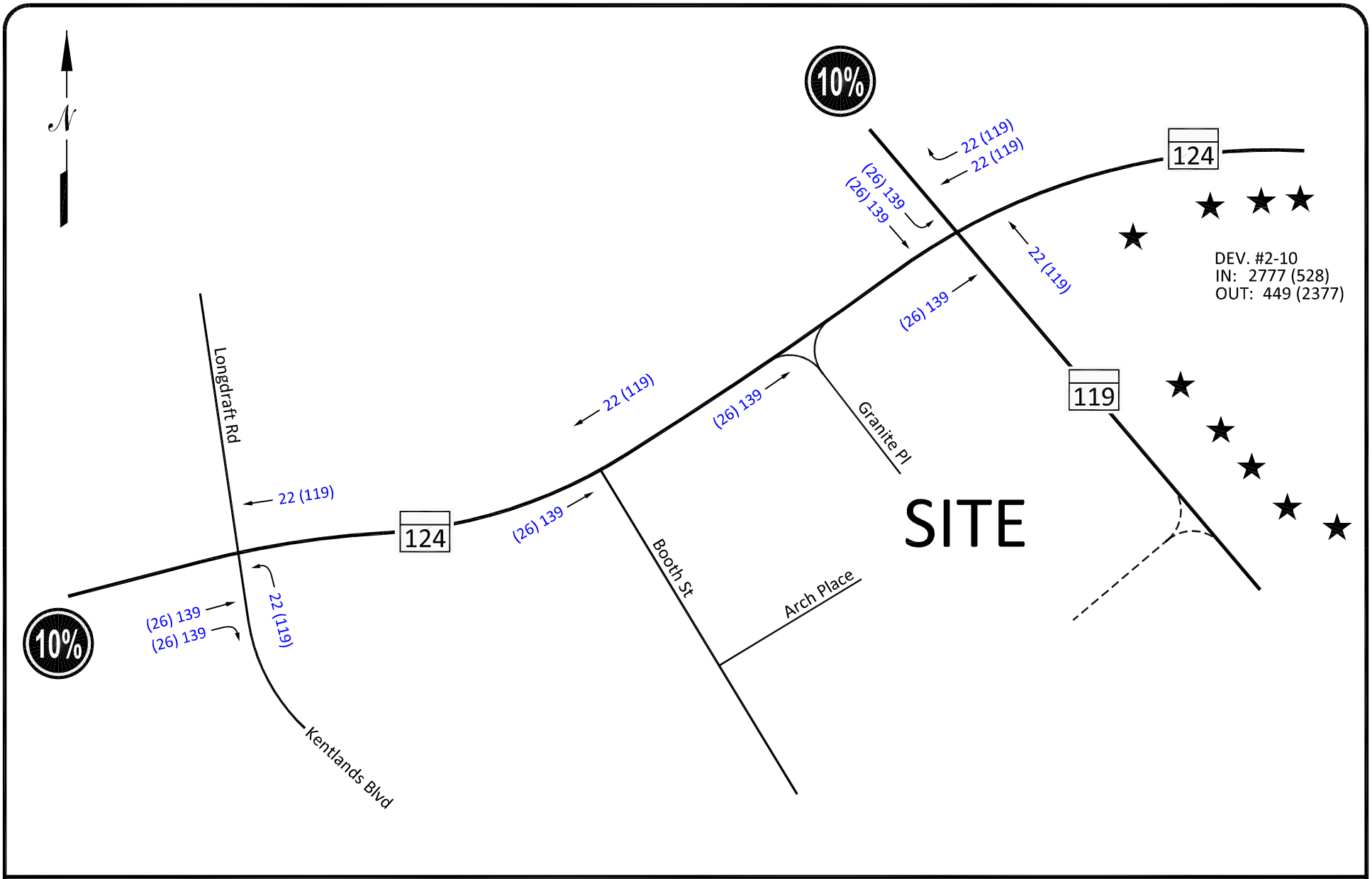


NOT TO SCALE

00 - MORNING PEAK HOUR
(00) - EVENING PEAK HOUR

TRIP ASSIGNMENT FOR
DEVELOPMENT #1

sli, 151003_kentlands apartments\initial\kentlandsapts.dwg-1d, f10/28/2015



NOT TO SCALE

00 - MORNING PEAK HOUR
(00) - EVENING PEAK HOUR

TRIP ASSIGNMENT FOR DEVELOPMENT #2-10

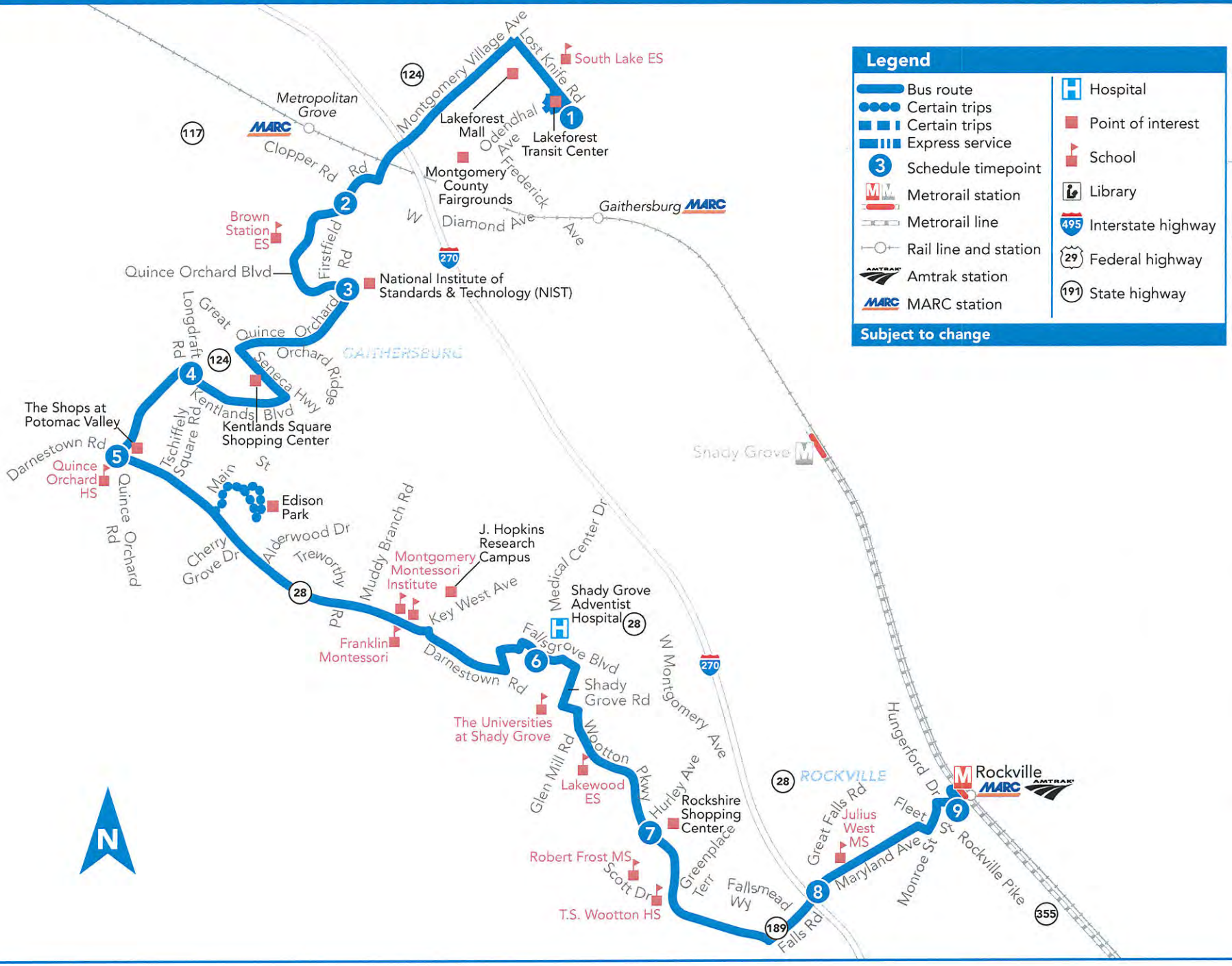
sli, 151003_kentlands apartments\initial\kentlandsapts.dwg-2d, f12/08/15

APPENDIX D

Transit Maps and Schedules

56 | Lakeforest Transit Center – Quince Orchard – Kentlands – MD 28-Darnestown Rd – Shady Grove Hospital – Wootton Pkwy – Rockville Metro Station

Ride On
Montgomery County Transit



56 To Rockville Ⓜ

MONDAY THROUGH FRIDAY

SEE TIMEPOINT LOCATION ON ROUTE MAP

Lakeforest Transit Center	Firstfield & Clopper Rds	Quince Or. Rd & Quince Or. Blvd	Kentlands Blvd Tschiffely Sq Rd	Quince Or. Rd & MD 28	Shady Grove Adventist Hospital	Wootton Pkwy & Hurley Ave	Maryland Ave & Falls Rd	Rockville Ⓜ
1	2	3	4	5	6	7	8	9
4:45	4:52	4:56	5:02	5:07	5:16	5:21	5:27	5:31
5:15	5:22	5:26	5:32	5:37	5:46	5:51	5:57	6:01
5:40	5:47	5:51	5:57	6:02	6:11	6:16	6:22	6:26
6:05*	6:12	6:16	6:22	6:27	6:40	6:45	6:51	6:55
6:30	6:39	6:44	6:52	6:57	7:08	7:15	7:22	7:26
6:55*	7:04	7:09	7:17	7:22	7:38	7:45	7:52	7:56
7:20	7:29	7:34	7:42	7:47	7:58	8:05	8:12	8:16
7:40+	7:49	7:54	8:02	8:07	8:23	8:30	8:37	8:41
8:00	8:09	8:14	8:22	8:27	8:38	8:45	8:52	8:56
8:20+	8:29	8:34	8:42	8:47	9:03	9:10	9:17	9:21
8:45	8:54	8:59	9:07	9:12	9:23	9:30	9:37	9:41
9:10*	9:19	9:24	9:32	9:37	9:53	10:00	10:07	10:11
9:40	9:48	9:52	9:59	10:04	10:14	10:21	10:27	10:31
10:10	10:18	10:22	10:29	10:34	10:44	10:51	10:57	11:01
10:40	10:48	10:52	10:59	11:04	11:14	11:21	11:27	11:31
11:10	11:18	11:22	11:29	11:34	11:44	11:51	11:57	**12:01**
11:40	11:48	11:52	11:59	**12:04**	**12:14**	**12:21**	**12:27**	**12:31**
12:10*	**12:18**	**12:22**	**12:29**	**12:34**	**12:49**	**12:56**	**1:02**	**1:06**
12:40	**12:48**	**12:52**	**12:59**	**1:04**	**1:14**	**1:21**	**1:27**	**1:31**
1:05	**1:13**	**1:17**	**1:24**	**1:29**	**1:39**	**1:46**	**1:52**	**1:56**
1:30	**1:38**	**1:42**	**1:49**	**1:54**	**2:04**	**2:11**	**2:17**	**2:21**
1:50	**1:58**	**2:02**	**2:09**	**2:14**	**2:24**	**2:31**	**2:37**	**2:41**
2:10+	**2:21**	**2:26**	**2:33**	**2:38**	**2:51**	**2:58**	**3:04**	**3:08**
2:30*	**2:41**	**2:46**	**2:53**	**2:58**	**3:13**	**3:20**	**3:26**	**3:30**
2:55*	**3:06**	**3:11**	**3:19**	**3:25**	**3:42**	**3:49**	**3:55**	**3:59**
3:20*	**3:31**	**3:36**	**3:44**	**3:50**	**4:07**	**4:14**	**4:20**	**4:24**
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4:10*	**4:21**	**4:26**	**4:34**	**4:40**	**4:57**	**5:04**	**5:10**	**5:14**
4:35*	**4:46**	**4:51**	**4:59**	**5:05**	**5:21**	**5:28**	**5:35**	**5:39**
4:55*	**5:06**	**5:11**	**5:19**	**5:25**	**5:41**	**5:48**	**5:55**	**5:59**
5:15*	**5:26**	**5:31**	**5:39**	**5:45**	**6:01**	**6:08**	**6:15**	**6:19**
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6:30*	**6:40**	**6:45**	**6:51**	**6:56**	**7:09**	**7:15**	**7:21**	**7:25**
7:00	**7:10**	**7:15**	**7:21**	**7:26**	**7:35**	**7:41**	**7:47**	**7:51**
7:30	**7:40**	**7:45**	**7:51**	**7:56**	**8:05**	**8:11**	**8:17**	**8:21**
8:00	**8:10**	**8:15**	**8:21**	**8:26**	**8:35**	**8:41**	**8:47**	**8:51**
8:30*	**8:38**	**8:42**	**8:48**	**8:53**	**9:06**	**9:12**	**9:18**	**9:22**
9:00	**9:08**	**9:12**	**9:18**	**9:23**	**9:32**	**9:38**	**9:44**	**9:48**
9:30*	**9:38**	**9:42**	**9:48**	**9:53**	**10:06**	**10:12**	**10:18**	**10:22**
							AM	PM

NOTES:
* Trip serves Edison Park.
+ Trip serves Public Training Academy.

56 To Lakeforest Transit Center

MONDAY THROUGH FRIDAY

SEE TIMEPOINT LOCATION ON ROUTE MAP

Rockville Ⓜ	Maryland Ave & Falls Rd	Wootton Pkwy & Hurley Ave	Shady Grove Adventist Hospital	Quince Or. Rd & MD 28	Kentlands Blvd Tschiffely Sq Rd	Quince Or. Rd & Quince Or. Blvd	Firstfield & Clopper Rds	Lakeforest Transit Center
9	8	7	6	5	4	3	2	1
5:10*	5:14	5:18	5:24	5:37	5:39	5:47	5:53	5:59
5:40*	5:44	5:48	5:54	6:07	6:09	6:17	6:23	6:29
6:10*	6:14	6:19	6:26	6:42	6:45	6:53	6:59	7:06
6:35*	6:39	6:44	6:51	7:07	7:10	7:18	7:24	7:31
7:00*	7:05	7:11	7:18	7:34	7:37	7:45	7:51	7:59
7:25*	7:30	7:36	7:43	7:59	8:02	8:10	8:16	8:24
7:45*	7:50	7:56	8:03	8:19	8:22	8:30	8:36	8:44
8:05*	8:10	8:16	8:23	8:39	8:42	8:50	8:56	9:04
8:30*	8:35	8:41	8:48	9:04	9:07	9:15	9:21	9:29
8:55*	9:00	9:06	9:13	9:29	9:32	9:40	9:46	9:54
9:20*	9:25	9:31	9:38	9:53	9:56	10:04	10:10	10:17
9:50*	9:55	10:01	10:08	10:23	10:26	10:34	10:40	10:47
10:20	10:25	10:31	10:38	10:50	10:53	11:01	11:07	11:14
10:50	10:55	11:01	11:08	11:20	11:23	11:31	11:37	11:44
11:20	11:25	11:31	11:38	11:50	11:53	**12:01**	**12:07**	**12:14**
11:50	11:55	**12:01**	**12:08**	**12:20**	**12:23**	**12:31**	**12:37**	**12:44**
12:20*	**12:25**	**12:31**	**12:38**	**12:53**	**12:56**	**1:04**	**1:10**	**1:17**
12:50	**12:55**	**1:01**	**1:08**	**1:20**	**1:23**	**1:31**	**1:37**	**1:44**
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1:45	**1:50**	**1:56**	**2:03**	**2:15**	**2:18**	**2:26**	**2:32**	**2:39**
2:05	**2:10**	**2:16**	**2:23**	**2:35**	**2:38**	**2:46**	**2:52**	**2:59**
2:25	**2:30**	**2:36**	**2:43**	**2:55**	**2:58**	**3:06**	**3:12**	**3:19**
2:45	**2:50**	**2:56**	**3:03**	**3:15**	**3:18**	**3:26**	**3:32**	**3:39**
3:10	**3:15**	**3:21**	**3:28**	**3:40**	**3:43**	**3:51**	**3:57**	**4:04**
3:35*	**3:40**	**3:46**	**3:53**	**4:10**	**4:13**	**4:23**	**4:29**	**4:39**
4:00	**4:05**	**4:11**	**4:18**	**4:31**	**4:34**	**4:44**	**4:50**	**5:00**
4:25*	**4:30**	**4:36**	**4:43**	**5:00**	**5:03**	**5:13**	**5:19**	**5:29**
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5:05*	**5:10**	**5:16**	**5:23**	**5:40**	**5:43**	**5:53**	**5:59**	**6:09**
5:30	**5:35**	**5:41**	**5:48**	**6:01**	**6:04**	**6:12**	**6:17**	**6:24**
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6:55	**7:00**	**7:06**	**7:13**	**7:26**	**7:29**	**7:37**	**7:42**	**7:49**
7:25	**7:30**	**7:35**	**7:41**	**7:52**	**7:55**	**8:02**	**8:07**	**8:14**
7:55	**8:00**	**8:05**	**8:11**	**8:22**	**8:25**	**8:32**	**8:37**	**8:44**
8:25	**8:30**	**8:35**	**8:41**	**8:52**	**8:55**	**9:02**	**9:07**	**9:14**
8:55*	**9:00**	**9:05**	**9:11**	**9:25**	**9:28**	**9:35**	**9:40**	**9:47**
9:25	**9:30**	**9:35**	**9:41**	**9:52**	**9:55**	**10:02**	**10:07**	**10:14**
9:55*	**10:00**	**10:05**	**10:11**	**10:25**	**10:28**	**10:35**	**10:40**	**10:47**
							AM	PM

NOTES:
* Trip serves Edison Park.

56 To Rockville Ⓜ

SATURDAY

SEE TIMEPOINT LOCATION ON ROUTE MAP

Lakeforest Transit Center	Firstfield & Clopper Rds	Quince Or. Rd & Quince Or. Blvd	Kentlands Blvd Tschiffely Sq Rd	Quince Or. Rd & MD 28	Shady Grove Adventist Hospital	Wootton Pkwy & Hurley Ave	Maryland Ave & Falls Rd	Rockville Ⓜ
9	8	7	6	5	4	3	2	1
5:53	6:00	6:04	6:10	6:15	6:24	6:29	6:35	6:39
6:20	6:27	6:31	6:37	6:42	6:51	6:56	7:02	7:06
6:50	6:57	7:01	7:07	7:12	7:21	7:26	7:32	7:36
7:20	7:27	7:31	7:37	7:42	7:51	7:56	8:02	8:06
7:50	7:57	8:01	8:07	8:12	8:21	8:26	8:32	8:36
8:20	8:27	8:31	8:38	8:43	8:53	8:59	9:05	9:09
8:50	8:57	9:01	9:08	9:13	9:23	9:29	9:35	9:39
9:20	9:27	9:31	9:38	9:43	9:53	9:59	10:05	10:09
9:50	9:57	10:01	10:08	10:13	10:23	10:29	10:35	10:39
10:20	10:27	10:31	10:38	10:43	10:53	10:59	11:05	11:09
10:50	10:57	11:01	11:08	11:13	11:23	11:29	11:35	11:39
11:20	11:28	11:32	11:39	11:44	11:54	**12:01**	**12:07**	**12:11**
11:50	11:58	**12:02**	**12:09**	**12:14**	**12:24**	**12:31**	**12:37**	**12:41**
12:20	**12:28**	**12:32**	**12:39**	**12:44**	**12:54**	**1:01**	**1:07**	**1:11**
12:50	**12:58**	**1:02**	**1:09**	**1:14**	**1:24**	**1:31**	**1:37**	**1:41**
1:20	**1:28**	**1:32**	**1:39**	**1:44**	**1:54**	**2:01**	**2:07**	**2:11**
1:50	**1:58**	**2:02**	**2:09**	**2:14**	**2:24**	**2:31**	**2:37**	**2:41**
2:20	**2:28**	**2:32**	**2:39**	**2:44**	**2:54**	**3:01**	**3:07**	**3:11**
2:50	**2:58**	**3:02**	**3:09**	**3:14**	**3:24**	**3:31**	**3:37**	**3:41**
3:20	**3:28**	**3:32**	**3:39**	**3:44**	**3:54**	**4:01**	**4:07**	**4:11**
3:50	**3:58**	**4:02**	**4:09**	**4:14**	**4:24**	**4:31**	**4:37**	**4:41**
4:20	**4:28**	**4:32**	**4:39**	**4:44**	**4:54**	**5:01**	**5:07**	**5:11**
4:50	**4:58**	**5:02**	**5:09**	**5:14**	**5:24**	**5:31**	**5:37**	**5:41**
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6:20	**6:28**	**6:32**	**6:38**	**6:43**	**6:52**	**6:58**	**7:04**	**7:08**
6:50	**6:58**	**7:02**	**7:08**	**7:13**	**7:22**	**7:28**	**7:34**	**7:38**
7:20	**7:28**	**7:32**	**7:38**	**7:43**	**7:52**	**7:58**	**8:04**	**8:08**
7:50	**7:58**	**8:02**	**8:08**	**8:13**	**8:22**	**8:28**	**8:34**	**8:38**
8:20	**8:28**	**8:32**	**8:38**	**8:43**	**8:52**	**8:58**	**9:04**	**9:08**
8:53	**9:01**	**9:05**	**9:11**	**9:16**	**9:25**	**9:31**	**9:37**	**9:41**
							AM	PM

NOTES:

SEE REVERSE FOR SUNDAY SERVICE

Please arrive at your stop several minutes ahead of your bus' scheduled arrival. Since safe service is a priority at Ride On, buses may be delayed due to traffic or weather.

56 To Lakeforest Transit Center

SATURDAY

SEE TIMEPOINT LOCATION ON ROUTE MAP

Rockville Ⓜ	Maryland Ave & Falls Rd	Wootton Pkwy & Hurley Ave	Shady Grove Adventist Hospital	Quince Or. Rd & MD 28	Kentlands Blvd Tschiffely Sq Rd	Quince Or. Rd & Quince Or. Blvd	Firstfield & Clopper Rds	Lakeforest Transit Center
1	2	3	4	5	6	7	8	9
6:20	6:24	6:28	6:34	6:43	6:45	6:53	6:59	7:05
6:50	6:54	6:58	7:04	7:13	7:15	7:23	7:29	7:35
7:20	7:24	7:28	7:34	7:43	7:45	7:53	7:59	8:05
7:50	7:54	7:58	8:04	8:13	8:15	8:23	8:29	8:35
8:20	8:24	8:28	8:34	8:43	8:45	8:53	8:59	9:05
8:50	8:54	8:59	9:06	9:16	9:19	9:27	9:33	9:39
9:20	9:24	9:29	9:36	9:46	9:49	9:57	10:03	10:09
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10:50	10:55	11:01	11:08	11:20	11:23	11:31	11:37	11:44
11:20	11:25	11:31	11:38	11:50	11:53	12:01	**12:07**	**12:14**
11:50	11:55	**12:01**	**12:08**	**12:20**	**12:23**	**12:31**	**12:37**	**12:44**
12:20	**12:25**	**12:31**	**12:38**	**12:50**	**12:53**	**1:01**	**1:07**	**1:14**
12:50	**12:55**	**1:01**	**1:08**	**1:20**	**1:23**	**1:31**	**1:37**	**1:44**
1:20	**1:25**	**1:31**	**1:38**	**1:50**	**1:53**	**2:01**	**2:07**	**2:14**
1:50	**1:55**	**2:01**	**2:08**	**2:20**	**2:23**	**2:31**	**2:37**	**2:44**
2:20	**2:25**	**2:31**	**2:38**	**2:50**	**2:53**	**3:01**	**3:07**	**3:14**
2:50	**2:55**	**3:01**	**3:08**	**3:20**	**3:23**	**3:31**	**3:37**	**3:44**
3:20	**3:25**	**3:31**	**3:38**	**3:50**	**3:53**	**4:01**	**4:07**	**4:14**
3:50	**3:55**	**4:01**	**4:08**	**4:20**	**4:23**	**4:31**	**4:37**	**4:44**
4:20	**4:25**	**4:31**	**4:38**	**4:50**	**4:53**	**5:01**	**5:07**	**5:14**
4:50	**4:55**	**5:01**	**5:08**	**5:20**	**5:23**	**5:31**	**5:37**	**5:44**
5:20	**5:25**	**5:30**	**5:37**	**5:48**	**5:51**	**5:59**	**6:04**	**6:11**
5:50	**5:55**	**6:00**	**6:07**	**6:18**	**6:21**	**6:29**	**6:34**	**6:41**
6:20	**6:25**	**6:30**	**6:37**	**6:48**	**6:51**	**6:59**	**7:04**	**7:11**
6:50	**6:55**	**7:00**	**7:07**	**7:18**	**7:21**	**7:29**	**7:34**	**7:41**
7:20	**7:25**	**7:30**	**7:36**	**7:47**	**7:50**	**7:57**	**8:02**	**8:09**
7:50	**7:55**	**8:00**	**8:06**	**8:17**	**8:20**	**8:27**	**8:32**	**8:39**
8:20	**8:25**	**8:30**	**8:36**	**8:47**	**8:50**	**8:57**	**9:02**	**9:09**
							AM	PM

NOTES:

SEE REVERSE FOR SUNDAY SERVICE

HOW TO RIDE A BUS

Check schedule for timepoint nearest your location. Wait at the blue and white **RIDE ON** bus stop sign. Arrive several minutes before scheduled time. Have exact fare ready (drivers do not make change).

- Not all stops are listed on a public timetable.
- If you are unfamiliar with your stop, sit or stand behind the line near the front of the bus and ask the bus driver to notify you when your stop is approaching.
- Ask the bus driver if you are not sure if the bus goes to your stop.
- If you have internet access (at home or somewhere else, such as a public library), it may be easier for you to use an online trip planner rather than a paper timetable.
- Be mindful of changes in the schedule, for holidays or bad weather.
- Please observe the following rules for all patrons: No eating, drinking, or smoking.
- Electronic devices may be played with earphones set at low level.

HOW TO READ A TIMETABLE

- Find the schedule for the day of the week and the direction you wish to ride.
- Find the timepoints closest to your origin and destination. The timepoints are shown on the route map and indicate the time the bus is scheduled to be at the particular location. Your nearest bus stop may be between timepoints.
- Read down the column to see the times when a trip will be at the given timepoint. Read the times across to the right to see when the trip reaches other timepoints. If no time is shown, that trip does not serve that timepoint.

FARES

Regular Fare, Token, or SmarTrip®	$1.75
SmarTrip Fare Transfer from MetroRail	$1.25
Seniors and persons with disability with valid ID (including attendant-eligible) except during free periods:	
Cash	$0.35
Senior/Disabled SmarTrip®	$0.85
Senior/Disabled SmarTrip® Transfer from Metrorail	$0.35
Seniors age 65 years or older with a Senior SmarTrip® card or valid Metro Senior ID Card or with valid Medicare Card and Photo ID from 9:30 am - 3 pm, Mon - Fri	FREE
Person with disability with Metro Disabled Identification Card from 9:30 am - 3 pm, Mon - Fri	FREE
Person with disability with Metro Disability ID Card - Attendant Eligible from 9:30 am - 3 pm, Mon - Fri. Attendant rides half fare or free depending on time	FREE
MetroAccess - Certified Customer with ID **MetroAccess** - Companion	FREE
Children under age 5 Limit 2 children per paying passenger	FREE
Local Bus Transfer with SmarTrip®	FREE
Children 5 to 18 with a student ID or Youth Cruiser SmarTrip® Card Monday - Friday, 2-8 pm	FREE

GUARANTEED RIDE HOME

When you take Metrobus, Metrorail and Ride On to work, you are eligible to participate in the free Commuter Connections Guaranteed Ride Home Program. To register and to receive program details call:
Commuter Services at 301-770-POOL(7665).

METROACCESS

Alternative paratransit service to this Ride On route for people with certified disabilities is available. Call MetroAccess at 301-562-5360.

Ride On
Montgomery County Transit

56 Lakeforest Transit Center – Quince Orchard – Kentlands – MD 28-Darnestown Rd – Shady Grove Hospital – Wootton Pkwy – Rockville M

Ride On Montgomery County Transit

56 To Rockville M

SUNDAY

SEE TIMEPOINT LOCATION ON ROUTE MAP

Lakeforest Transit Center	Firstfield & Clopper Rds	Quince Or. Rd & Quince Or. Blvd	Kentlands Blvd Tschiffely Sq. Rd	Quince Or. Rd & MD 28	Shady Grove Adventist Hospital	Wootton Pkwy & Hurley Ave	Maryland Ave & Falls Rd	Rockville M
1	2	3	4	5	6	7	8	9
6:53	7:00	7:04	7:10	7:15	7:24	7:29	7:35	7:39
7:20	7:27	7:31	7:37	7:42	7:51	7:56	8:02	8:06
7:50	7:57	8:01	8:07	8:12	8:21	8:26	8:32	8:36
8:20	8:27	8:31	8:37	8:42	8:51	8:56	9:02	9:06
8:50	8:57	9:01	9:07	9:12	9:21	9:26	9:32	9:36
9:20	9:27	9:31	9:38	9:43	9:53	9:59	10:05	10:09
9:50	9:57	10:01	10:08	10:13	10:23	10:29	10:35	10:39
10:20	10:27	10:31	10:38	10:43	10:53	10:59	11:05	11:09
10:50	10:57	11:01	11:08	11:13	11:23	11:29	11:35	11:39
11:20	11:27	11:31	11:38	11:43	11:53	11:59	**12:05**	**12:09**
11:50	11:58	**12:02**	**12:09**	**12:14**	**12:24**	**12:31**	**12:37**	**12:41**
12:20	**12:28**	**12:32**	**12:39**	**12:44**	**12:54**	**1:01**	**1:07**	**1:11**
12:50	**12:58**	**1:02**	**1:09**	**1:14**	**1:24**	**1:31**	**1:37**	**1:41**
1:20	**1:28**	**1:32**	**1:39**	**1:44**	**1:54**	**2:01**	**2:07**	**2:11**
1:50	**1:58**	**2:02**	**2:09**	**2:14**	**2:24**	**2:31**	**2:37**	**2:41**
2:20	**2:28**	**2:32**	**2:39**	**2:44**	**2:54**	**3:01**	**3:07**	**3:11**
2:50	**2:58**	**3:02**	**3:09**	**3:14**	**3:24**	**3:31**	**3:37**	**3:41**
3:20	**3:28**	**3:32**	**3:39**	**3:44**	**3:54**	**4:01**	**4:07**	**4:11**
3:50	**3:58**	**4:02**	**4:09**	**4:14**	**4:24**	**4:31**	**4:37**	**4:41**
4:20	**4:28**	**4:32**	**4:39**	**4:44**	**4:54**	**5:01**	**5:07**	**5:11**
4:50	**4:58**	**5:02**	**5:09**	**5:14**	**5:24**	**5:31**	**5:37**	**5:41**
5:20	**5:28**	**5:32**	**5:38**	**5:43**	**5:52**	**5:58**	**6:04**	**6:08**
5:50	**5:58**	**6:02**	**6:08**	**6:13**	**6:22**	**6:28**	**6:34**	**6:38**
6:20	**6:28**	**6:32**	**6:38**	**6:43**	**6:52**	**6:58**	**7:04**	**7:08**
6:50	**6:58**	**7:02**	**7:08**	**7:13**	**7:22**	**7:28**	**7:34**	**7:38**
7:20	**7:28**	**7:32**	**7:38**	**7:43**	**7:52**	**7:58**	**8:04**	**8:08**
7:50	**7:58**	**8:02**	**8:08**	**8:13**	**8:22**	**8:28**	**8:34**	**8:38**
8:23	**8:31**	**8:35**	**8:41**	**8:46**	**8:55**	**9:01**	**9:07**	**9:11**
NOTES:							AM	PM

Please arrive at your stop several minutes ahead of your bus' scheduled arrival. Since safe service is a priority at Ride On, buses may be delayed due to traffic or weather.

56 To Lakeforest Transit Center

SUNDAY

SEE TIMEPOINT LOCATION ON ROUTE MAP

Rockville M	Maryland Ave & Falls Rd	Wootton Pkwy & Hurley Ave	Shady Grove Adventist Hospital	Quince Or. Rd & MD 28	Kentlands Blvd Tschiffely Sq. Rd	Quince Or. Rd & Quince Or. Blvd	Firstfield & Clopper Rds	Lakeforest Transit Center
9	8	7	6	5	4	3	2	1
7:20	7:24	7:28	7:34	7:43	7:45	7:53	7:59	8:05
7:50	7:54	7:58	8:04	8:13	8:15	8:23	8:29	8:35
8:20	8:24	8:28	8:34	8:43	8:45	8:53	8:59	9:05
8:50	8:54	8:58	9:04	9:13	9:15	9:23	9:29	9:35
9:20	9:24	9:29	9:36	9:46	9:49	9:57	10:03	10:09
9:50	9:54	9:59	10:06	10:16	10:19	10:27	10:33	10:39
10:20	10:24	10:29	10:36	10:46	10:49	10:57	11:03	11:09
10:50	10:54	10:59	11:06	11:16	11:19	11:27	11:33	11:39
11:20	11:24	11:29	11:36	11:46	11:49	11:57	**12:03**	**12:09**
11:50	11:55	**12:01**	**12:08**	**12:20**	**12:23**	**12:31**	**12:37**	**12:44**
12:20	**12:25**	**12:31**	**12:38**	**12:50**	**12:53**	**1:01**	**1:07**	**1:14**
12:50	**12:55**	**1:01**	**1:08**	**1:20**	**1:23**	**1:31**	**1:37**	**1:44**
1:20	**1:25**	**1:31**	**1:38**	**1:50**	**1:53**	**2:01**	**2:07**	**2:14**
1:50	**1:55**	**2:01**	**2:08**	**2:20**	**2:23**	**2:31**	**2:37**	**2:44**
2:20	**2:25**	**2:31**	**2:38**	**2:50**	**2:53**	**3:01**	**3:07**	**3:14**
2:50	**2:55**	**3:01**	**3:08**	**3:20**	**3:23**	**3:31**	**3:37**	**3:44**
3:20	**3:25**	**3:31**	**3:38**	**3:50**	**3:53**	**4:01**	**4:07**	**4:14**
3:50	**3:55**	**4:01**	**4:08**	**4:20**	**4:23**	**4:31**	**4:37**	**4:44**
4:20	**4:25**	**4:31**	**4:38**	**4:50**	**4:53**	**5:01**	**5:07**	**5:14**
4:50	**4:55**	**5:00**	**5:07**	**5:18**	**5:21**	**5:29**	**5:34**	**5:41**
5:20	**5:25**	**5:30**	**5:37**	**5:48**	**5:51**	**5:59**	**6:04**	**6:11**
5:50	**5:55**	**6:00**	**6:07**	**6:18**	**6:21**	**6:29**	**6:34**	**6:41**
6:20	**6:25**	**6:30**	**6:37**	**6:48**	**6:51**	**6:59**	**7:04**	**7:11**
6:50	**6:55**	**7:00**	**7:06**	**7:17**	**7:20**	**7:27**	**7:32**	**7:39**
7:20	**7:25**	**7:30**	**7:36**	**7:47**	**7:50**	**7:57**	**8:02**	**8:09**
7:50	**7:55**	**8:00**	**8:06**	**8:17**	**8:20**	**8:27**	**8:32**	**8:39**
8:20	**8:25**	**8:30**	**8:36**	**8:47**	**8:50**	**8:57**	**9:02**	**9:09**
NOTES:							AM	PM

WELCOME TO RIDE ON

RIDE ON is a community bus service operated by the Montgomery County Department of Transportation.

RIDE ON operates over 75 routes that serve all 13 Montgomery County Metrorail stations and 7 MARC stations.

For detailed information, or to have timetables mailed, call **311**.

Outside Montgomery County **240-777-0311**
TTY (for hearing impaired)..... **301-251-4850**

Visit our web site at:
www.rideonbus.com

Real Time information is available at:
www.rideonrealtime.com

Regular Mailing Address:
Montgomery County DOT
Division of Transit Services
101 Monroe Street, 5th Floor
Rockville, MD 20850

HOLIDAY SCHEDULE

New Year's Day	Sunday Schedule
Martin Luther King, Jr. Day	Special Schedule
Presidents' Day	Special Schedule
Memorial Day	Sunday Schedule
Independence Day	Saturday Schedule
Labor Day	Sunday Schedule
Columbus Day	Weekday Schedule
Veterans Day	Special Schedule
Thanksgiving Day	Sunday Schedule
Christmas Day	Sunday Schedule

For special schedules, consult our website, **www.rideonbus.com**, or call **311**

Like us on Facebook facebook.com/RideOnMCT
Follow us on Twitter twitter.com/RideOnMCT
Subscribe to email alerts at www.montgomerycountymd.gov/govdelivery

Thank You for Riding with Us!

Ride On Montgomery County Transit

Printed on recycled paper with soy-based ink

EFFECTIVE: SEPTEMBER 20, 2015

56

Approximate travel time between stops	
	Lakeforest Transit Center
5-12 mins	
	Firstfield & Clopper Rds
3-5 mins	
	Quince Orchard Rd & Quince Orchard Blvd
5-9 mins	
	Kentlands Blvd Tschiffely Square Rd
2-4 mins	
	Quince Orchard Rd & MD 28
8-14 mins	
	Shady Grove Adventist Hospital
5-6 mins	
	Wootton Pkwy & Hurley Ave
3-6 mins	
	Maryland Ave & Falls Rd
5-7 mins	
	Rockville M

SERVICE DAYS

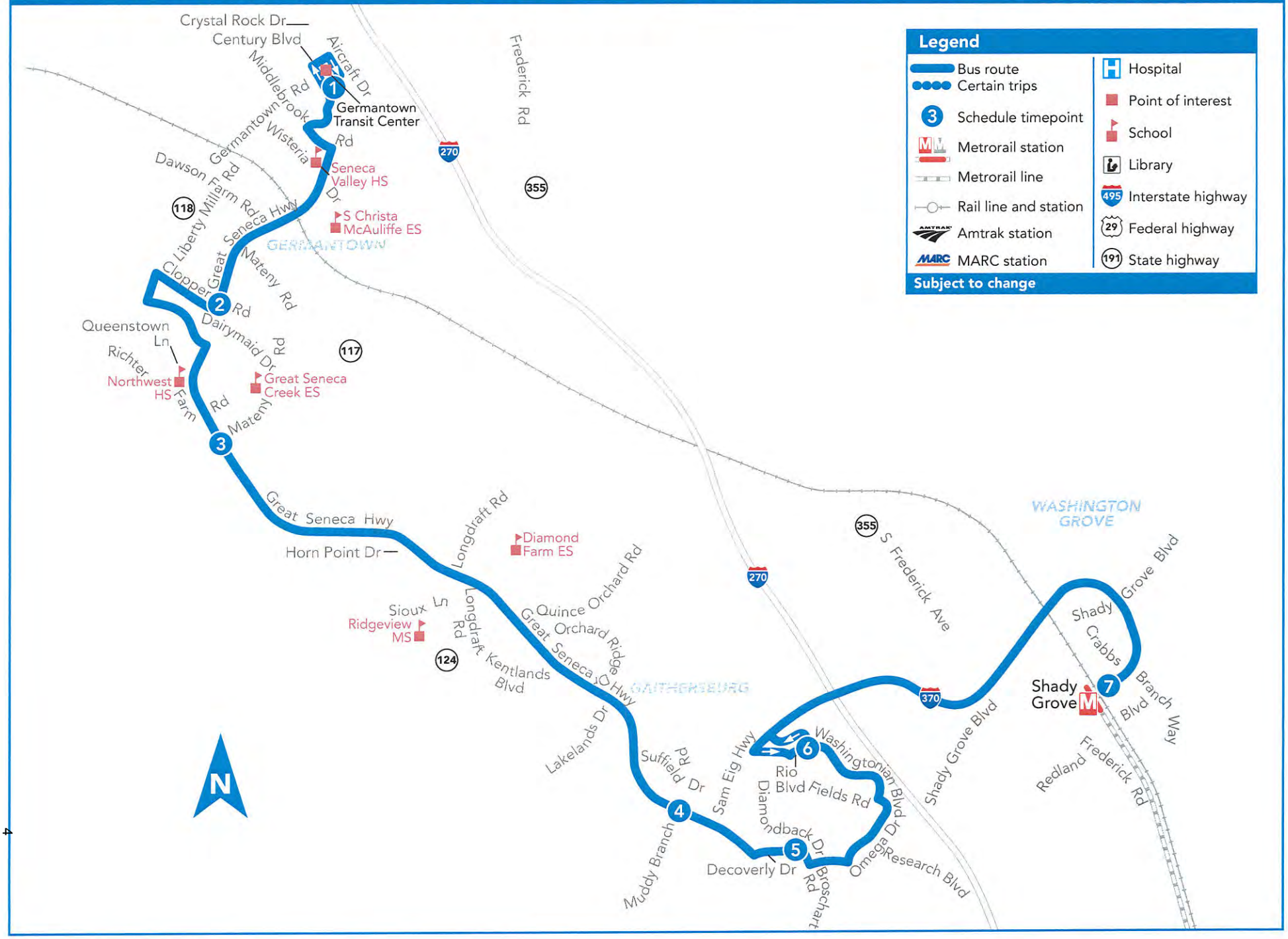
DAILY

Ride On Montgomery County Transit

Telephone **311**
Online at **www.rideonbus.com**
Real Time Info at **www.rideonrealtime.com**

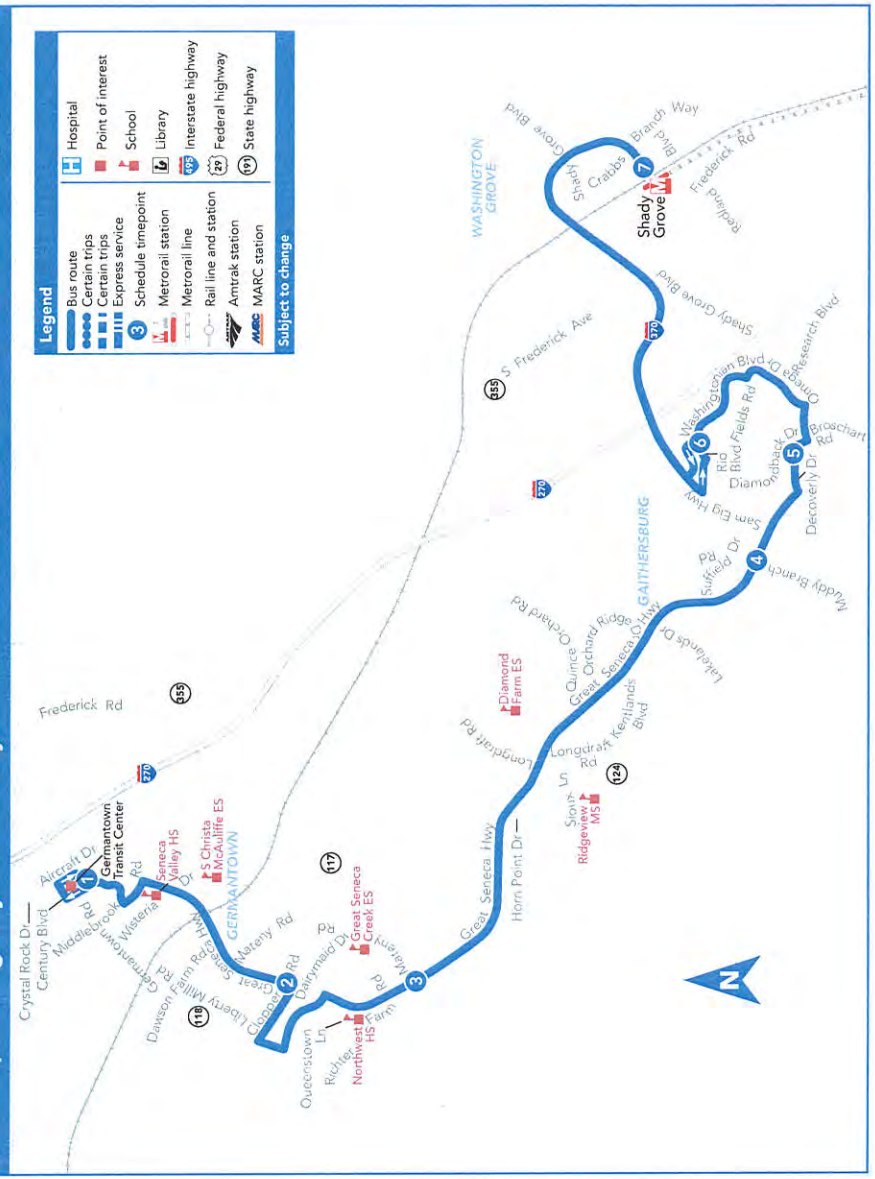
74 Germantown Transit Center (GTC) – Great Seneca Highway – Key West Avenue – Washingtonian Blvd – Rio Blvd – Sam Eig Hwy I-370 – Shady Grove Metro Station

RIDE ON
MONTGOMERY COUNTY TRANSIT



74 | Germantown Transit Center (GTC) – Great Seneca Highway – Key West Avenue – Washingtonian Blvd – Rio Blvd – Sam Eig Hwy I-370 – Shady Grove Metro Station

Ride On
Montgomery County Transit



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HOLIDAY SCHEDULE

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Martin Luther King, Jr. Day	Special Schedule
Presidents' Day	Special Schedule
Memorial Day	Sunday Schedule
Independence Day	Saturday Schedule
Labor Day	Sunday Schedule
Columbus Day	Weekday Schedule
Veterans Day	Special Schedule
Thanksgiving Day	Sunday Schedule
Christmas Day	Sunday Schedule

For special schedules, consult our website, **www.rideonbus.com**, or call **311**

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Thank You for Riding with Us!

Ride On
Montgomery County Transit

Printed on recycled paper with soy-based ink

EFFECTIVE: JANUARY 11, 2015

74

Approximate travel time between stops

- Germantown Transit Center (GTC)
- 7-10 mins
- Great Seneca Hwy & Clopper Rd
- 4-5 mins
- Great Seneca Hwy & Mateny Rd
- 6-8 mins
- Great Seneca Hwy & Muddy Branch Rd
- 2-4 mins
- Diamondback & Decoverly Drs
- 4-7 mins
- Washingtonian & Rio Blvds
- 7-9 mins
- Shady Grove Metro Station (East) M

SERVICE DAYS
MONDAY - FRIDAY

Ride On
Montgomery County Transit
Telephone **311**
Online at **www.rideonbus.com**
Real Time Info at **www.rideonrealtime.com**

74 To Shady Grove Metro Station

MONDAY THROUGH FRIDAY

SEE TIMEPOINT LOCATION ON ROUTE MAP

1 Germantown Transit Center (GTC)	2 Great Seneca Hwy & Clopper Rd	3 Great Seneca Hwy & Mateny Rd	4 Great Seneca Hwy & Muddy Branch Rd	5 Diamondback & Decoverly Drs	6 Washingtonian & Rio Blvds	7 Shady Grove Metro Station (East)
5:00	5:08	5:12	5:20	5:23	5:28	5:36
5:30	5:38	5:43	5:51	5:54	6:00	6:08
6:00	6:08	6:13	6:21	6:24	6:30	6:38
6:30	6:38	6:43	6:51	6:54	7:00	7:08
7:00	7:08	7:13	7:22	7:25	7:31	7:40
7:30	7:38	7:43	7:52	7:55	8:01	8:10
8:00	8:08	8:13	8:22	8:25	8:31	8:40
8:30	8:38	8:43	8:52	8:55	9:01	9:10
9:00	9:08	9:12	9:20	9:23	9:29	9:37
9:30	9:38	9:42	9:50	9:53	9:59	10:07
10:00	10:08	10:12	10:20	10:23	10:29	10:37
10:30	10:38	10:42	10:50	10:53	10:59	11:07
11:00	11:08	11:12	11:20	11:23	11:29	11:37
11:30	11:38	11:42	11:50	11:53	11:59	**12:07**
12:00	**12:08**	**12:12**	**12:20**	**12:23**	**12:29**	**12:37**
12:30	**12:38**	**12:42**	**12:50**	**12:53**	**12:59**	**1:07**
1:00	**1:08**	**1:12**	**1:20**	**1:23**	**1:29**	**1:37**
1:30	**1:38**	**1:43**	**1:51**	**1:54**	**2:00**	**2:08**
2:00	**2:08**	**2:13**	**2:21**	**2:24**	**2:30**	**2:38**
2:30	**2:38**	**2:43**	**2:51**	**2:54**	**3:00**	**3:08**
3:00	**3:08**	**3:13**	**3:21**	**3:24**	**3:30**	**3:39**
3:30	**3:38**	**3:43**	**3:51**	**3:54**	**4:00**	**4:09**
4:00	**4:08**	**4:13**	**4:21**	**4:24**	**4:30**	**4:39**
4:30	**4:38**	**4:43**	**4:51**	**4:54**	**5:00**	**5:09**
5:00	**5:08**	**5:13**	**5:21**	**5:24**	**5:30**	**5:39**
5:30	**5:38**	**5:43**	**5:51**	**5:54**	**6:00**	**6:09**
6:00	**6:08**	**6:12**	**6:20**	**6:23**	**6:29**	**6:37**
6:30	**6:38**	**6:42**	**6:50**	**6:53**	**6:59**	**7:07**
7:00	**7:08**	**7:12**	**7:19**	**7:22**	**7:27**	**7:35**
7:30	**7:38**	**7:42**	**7:49**	**7:52**	**7:57**	**8:05**
8:00	**8:08**	**8:12**	**8:19**	**8:22**	**8:27**	**8:35**
8:35	**8:43**	**8:47**	**8:54**	**8:57**	**9:02**	**9:10**
9:20	**9:28**	**9:32**	**9:39**	**9:42**	**9:47**	**9:55**
NOTES:					AM	**PM**

Routes 61, 74 (Mon-Fri only), 97, and 100 will have the same leave time at the Germantown Transit Center (GTC). These routes will arrive within a 10 minute window of the the scheduled departure time. In case of a delay, no bus will wait more than 5 minutes to allow for transferring between buses. Timed transferring is available at all times on the weekend and weekdays from 9:00 a.m. - 4:00 p.m., and after 7:00 p.m.

74 To Germantown Transit Center (GTC)

MONDAY THROUGH FRIDAY

SEE TIMEPOINT LOCATION ON ROUTE MAP

7 Shady Grove Metro Station (East)	6 Washingtonian & Rio Blvds	5 Diamondback & Decoverly Drs	4 Great Seneca Hwy & Muddy Branch Rd	3 Great Seneca Hwy & Mateny Rd	2 Great Seneca Hwy & Clopper Rd	1 Germantown Transit Center (GTC)
5:40	5:48	5:52	5:55	6:04	6:08	6:16
6:10	6:19	6:24	6:27	6:37	6:42	6:51
6:40	6:49	6:54	6:57	7:07	7:12	7:21
7:10	7:19	7:24	7:27	7:37	7:42	7:51
7:40	7:49	7:54	7:57	8:07	8:12	8:21
8:10	8:19	8:24	8:27	8:36	8:41	8:50
8:40	8:49	8:54	8:57	9:06	9:11	9:20
9:10	9:19	9:23	9:26	9:35	9:39	9:47
9:40	9:49	9:53	9:56	10:05	10:09	10:17
10:10	10:19	10:23	10:26	10:35	10:39	10:47
10:40	10:49	10:53	10:56	11:05	11:09	11:17
11:10	11:19	11:23	11:26	11:35	11:39	11:47
11:40	11:49	11:53	11:56	**12:05**	**12:09**	**12:17**
12:10	**12:19**	**12:23**	**12:26**	**12:35**	**12:39**	**12:47**
12:40	**12:49**	**12:53**	**12:56**	**1:05**	**1:09**	**1:17**
1:10	**1:19**	**1:23**	**1:26**	**1:35**	**1:39**	**1:47**
1:40	**1:49**	**1:53**	**1:56**	**2:05**	**2:10**	**2:19**
2:10	**2:19**	**2:23**	**2:26**	**2:35**	**2:40**	**2:49**
2:40	**2:49**	**2:54**	**2:57**	**3:06**	**3:11**	**3:20**
3:10	**3:19**	**3:24**	**3:27**	**3:36**	**3:41**	**3:50**
3:40	**3:49**	**3:54**	**3:57**	**4:06**	**4:11**	**4:20**
4:10	**4:20**	**4:26**	**4:30**	**4:40**	**4:45**	**4:54**
4:40	**4:50**	**4:56**	**5:00**	**5:10**	**5:15**	**5:24**
5:10	**5:20**	**5:26**	**5:30**	**5:40**	**5:45**	**5:54**
5:40	**5:50**	**5:56**	**6:00**	**6:10**	**6:15**	**6:24**
6:10	**6:20**	**6:26**	**6:30**	**6:40**	**6:45**	**6:54**
6:40	**6:49**	**6:54**	**6:58**	**7:07**	**7:11**	**7:20**
7:10	**7:19**	**7:24**	**7:28**	**7:37**	**7:41**	**7:50**
7:40	**7:48**	**7:52**	**7:55**	**8:03**	**8:07**	**8:15**
8:10	**8:18**	**8:22**	**8:25**	**8:33**	**8:37**	**8:45**
8:40	**8:48**	**8:52**	**8:55**	**9:03**	**9:07**	**9:15**
9:15	**9:23**	**9:27**	**9:30**	**9:38**	**9:42**	**9:50**
10:00	**10:08**	**10:12**	**10:15**	**10:23**	**10:27**	**10:35**
NOTES:					AM	**PM**

There is NO Saturday or Sunday service on this route

HOW TO RIDE A BUS

Check schedule for timepoint nearest your location. Wait at the blue and white **RIDE ON** bus stop sign. Arrive several minutes before scheduled time. Have exact fare ready (drivers do not make change).

- Not all stops are listed on a public timetable.
- If you are unfamiliar with your stop, sit or stand behind the line near the front of the bus and ask the bus driver to notify you when your stop is approaching.
- Ask the bus driver if you are not sure if the bus goes to your stop.
- If you have internet access (at home or somewhere else, such as a public library), it may be easier for you to use an online trip planner rather than a paper timetable.
- Be mindful of changes in the schedule, for holidays or bad weather.
- Please observe the following rules for all patrons: No eating, drinking, or smoking.
- Electronic devices may be played with earphones set *at low level.*

HOW TO READ A TIMETABLE

- Find the schedule for the day of the week and the direction you wish to ride.
- Find the timepoints closest to your origin and destination. The timepoints are shown on the route map and indicate the time the bus is scheduled to be at the particular location. Your nearest bus stop may be between timepoints.
- Read down the column to see the times when a trip will be at the given timepoint. Read the times across to the right to see when the trip reaches other timepoints. If no time is shown, that trip does not serve that timepoint.

FARES

Regular Fare, Token, or SmarTrip®	$1.75
SmarTrip Fare Transfer from MetroRail	$1.25
Seniors and persons with disability with valid ID (including attendant-eligible) except during free periods:	
Cash	$0.85
Senior/Disabled SmarTrip®	$0.85
Senior/Disabled SmarTrip® Transfer from Metrorail	$0.35
Seniors age 65 years or older with a Senior SmarTrip® card or valid Metro Senior ID Card or with valid Medicare Card and Photo ID from 9:30 am - 3 pm, Mon - Fri	FREE
Person with disability with Metro Disabled Identification Card from 9:30 am - 3 pm, Mon - Fri	FREE
Person with disability with Metro Disability ID Card - Attendant Eligible from 9:30 am - 3 pm, Mon - Fri Attendant rides half fare or free depending on time	FREE
MetroAccess - Certified Customer with ID **MetroAccess** - Companion	FREE
Children under age 5 Limit 2 children per paying passenger	FREE
Local Bus Transfer with SmarTrip®	FREE
Children 5 to 18 with a student ID or Youth Cruiser SmarTrip® Card Monday - Friday, 2-8 pm	FREE

GUARANTEED RIDE HOME

When you take Metrobus, Metrorail and Ride On to work, you are eligible to participate in the free Commuter Connections Guaranteed Ride Home Program. To register and to receive program details call:
Commuter Services at **301-770-POOL(7665)**.

METROACCESS

Alternative paratransit service to this Ride On route for people with certified disabilities is available. Call MetroAccess at **301-562-5360**.

Ride On
Montgomery County Transit

LEED-NC

LEED-NC Version 2.2 Registered Project Checklist

S&T Kentlands, LLC
Quince Orchard Road & Great Seneca Hwy, Gaithersburg, MD

Yes	?	No			
5	4	5	**Sustainable Sites**		14 Points
Y			Prereq 1	**Construction Activity Pollution Prevention**	Required
1			Credit 1	**Site Selection**	1
1			Credit 2	**Development Density & Community Connectivity**	1
		1	Credit 3	**Brownfield Redevelopment**	1
	1		Credit 4.1	**Alternative Transportation**, Public Transportation Access	1
1			Credit 4.2	**Alternative Transportation**, Bicycle Storage & Changing Rooms	1
		1	Credit 4.3	**Alternative Transportation**, Low-Emitting and Fuel-Efficient Vehicles	1
	1		Credit 4.4	**Alternative Transportation**, Parking Capacity	1
		1	Credit 5.1	**Site Development,** Protect of Restore Habitat	1
		1	Credit 5.2	**Site Development,** Maximize Open Space	1
1			Credit 6.1	**Stormwater Design,** Quantity Control	1
1			Credit 6.2	**Stormwater Design,** Quality Control	1
		1	Credit 7.1	**Heat Island Effect,** Non-Roof	1
	1		Credit 7.2	**Heat Island Effect,** Roof	1
	1		Credit 8	**Light Pollution Reduction**	1

Yes	?	No			
	3	2	**Water Efficiency**		5 Points
	1		Credit 1.1	**Water Efficient Landscaping**, Reduce by 50%	1
	1		Credit 1.2	**Water Efficient Landscaping**, No Potable Use or No Irrigation	1
		1	Credit 2	**Innovative Wastewater Technologies**	1
	1		Credit 3.1	**Water Use Reduction**, 20% Reduction	1
		1	Credit 3.2	**Water Use Reduction**, 30% Reduction	1

Yes	?	No			
6	1	1	**Energy & Atmosphere**		17 Points
Y			Prereq 1	**Fundamental Commissioning of the Building Energy Systems**	Required
Y			Prereq 2	**Minimum Energy Performance**	Required
Y			Prereq 3	**Fundamental Refrigerant Management**	Required
3			Credit 1	**Optimize Energy Performance**	1 to 10
1			Credit 2	**On-Site Renewable Energy**	1 to 3
	1		Credit 3	**Enhanced Commissioning**	1
1			Credit 4	**Enhanced Refrigerant Management**	1
1			Credit 5	**Measurement & Verification**	1
		1	Credit 6	**Green Power**	1

continued…

Yes	?	No			
5	2	6		**Materials & Resources**	**13** Points
Y			Prereq 1	**Storage & Collection of Recyclables**	Required
		1	Credit 1.1	**Building Reuse**, Maintain 75% of Existing Walls, Floors & Roof	1
		1	Credit 1.2	**Building Reuse**, Maintain 100% of Existing Walls, Floors & Roof	1
		1	Credit 1.3	**Building Reuse**, Maintain 50% of Interior Non-Structural Elements	1
	1		Credit 2.1	**Construction Waste Management**, Divert 50% from Disposal	1
		1	Credit 2.2	**Construction Waste Management**, Divert 75% from Disposal	1
		1	Credit 3.1	**Materials Reuse**, 5%	1
		1	Credit 3.2	**Materials Reuse**,10%	1
1			Credit 4.1	**Recycled Content**, 10% (post-consumer + ½ pre-consumer)	1
	1		Credit 4.2	**Recycled Content**, 20% (post-consumer + ½ pre-consumer)	1
1			Credit 5.1	**Regional Materials**, 10% Extracted, Processed & Manufactured Regio	1
1			Credit 5.2	**Regional Materials**, 20% Extracted, Processed & Manufactured Regio	1
1			Credit 6	**Rapidly Renewable Materials**	1
1			Credit 7	**Certified Wood**	1

Yes	?	No			
13	2			**Indoor Environmental Quality**	**15** Points
Y			Prereq 1	**Minimum IAQ Performance**	Required
Y			Prereq 2	**Environmental Tobacco Smoke** (ETS) **Control**	Required
1			Credit 1	**Outdoor Air Delivery Monitoring**	1
1			Credit 2	**Increased Ventilation**	1
1			Credit 3.1	**Construction IAQ Management Plan**, During Construction	1
1			Credit 3.2	**Construction IAQ Management Plan**, Before Occupancy	1
1			Credit 4.1	**Low-Emitting Materials**, Adhesives & Sealants	1
1			Credit 4.2	**Low-Emitting Materials**, Paints & Coatings	1
1			Credit 4.3	**Low-Emitting Materials**, Carpet Systems	1
	1		Credit 4.4	**Low-Emitting Materials**, Composite Wood & Agrifiber Products	1
	1		Credit 5	**Indoor Chemical & Pollutant Source Control**	1
1			Credit 6.1	**Controllability of Systems**, Lighting	1
1			Credit 6.2	**Controllability of Systems**, Thermal Comfort	1
1			Credit 7.1	**Thermal Comfort**, Design	1
1			Credit 7.2	**Thermal Comfort**, Verification	1
1			Credit 8.1	**Daylight & Views**, Daylight 75% of Spaces	1
1			Credit 8.2	**Daylight & Views**, Views for 90% of Spaces	1

Yes	?	No			
1				**Innovation & Design Process**	**5** Points
			Credit 1.1	**Innovation in Design**: Provide Specific Title	1
			Credit 1.2	**Innovation in Design**: Provide Specific Title	1
			Credit 1.3	**Innovation in Design**: Provide Specific Title	1
			Credit 1.4	**Innovation in Design**: Provide Specific Title	1
1			Credit 2	**LEED® Accredited Professional**	1

Yes	?	No		
30	12		**Project Totals** (pre-certification estimates)	**69** Points

Certified 26-32 points **Silver** 33-38 points **Gold** 39-51 points **Platinum** 52-69 points