

Application for
Site Plan**City of Rockville***Department of Community Planning and Development Services*

111 Maryland Avenue, Rockville, Maryland 20850

Phone: 240-314-8200 • **Fax:** 240-314-8210 • **E-mail:** cpds@rockvillemd.gov • **Website:** www.rockvillemd.gov**Type of Application (see level of review section below):**☐

Site Plan Level 1

☒

Site Plan Level 2

Please Fully CompleteProperty Address information 15815-15825 Shady Grove Road, 2 Choke Cherry Road, 2092 Gaither Road, Rockville MD 20850Subdivision Danac Technological Park Lot(s) 5-8 Block Zoning MXE Tax Account(s) 160400154317, 160400145040, 160400145120, 160400145038**Applicant Information:***Please supply name, address, phone number and e-mail address for each.*Applicant BXP Shady Grove Lot 5 LLC, BXP Shady Grove Lot 6 LLC, BXP Shady Grove Lot 7 LLC, BXP Shady Grove Lot 8 LLC
2200 Pennsylvania Ave NW Suite 200W Washington DC 20037 (c/o CJ Overly) coverly@bxp.comProperty Owner BXP Shady Grove Lot 5 LLC, BXP Shady Grove Lot 6 LLC, BXP Shady Grove Lot 7 LLC, BXP Shady Grove Lot 8 LLC
2200 Pennsylvania Ave NW Suite 200W Washington DC 20037 (c/o CJ Overly) coverly@bxp.comArchitect Design Collective 100 East Pratt Street, 18th Floor Baltimore MD 21202 sgeczi@designcollective.com
Gensler 2020 K Street NW Washington DC 20006 drew_napolitano@gensler.comEngineer VIKA MD 20251 Century Boulevard Suite 400 Germantown, MD 20874 goodman@vika.comAttorney Miles and Stockbridge 11 N Washington Street Suite 700 Rockville, MD 20850 swallace@milesstockbridge.comProject Name Shady Grove Innovation DistrictProject Description Mixed use development with lab/office and multi-family residential**STAFF USE ONLY****Application Acceptance:**Application # STP2024-00492Pre-Application # **Application Intake:**Date Received May 29, 2024Reviewed by Fee: \$13,407.00

TO BE COMPLETED BY APPLICANT:Proposed Post Submission Area Meeting Date TBDLocation TBD**Level of review and project impact:**

This information will be used to determine your project impact, per sec. 25.07.02 of the Zoning Ordinance for Project Plan and Site Plan applications only.

Tract Size 13.22 acres, # Dwelling Units 359 Total Square Footage of Non-Residential 145000

Residential Area Impact <10 %

Traffic/ Impact/trips Within Trip Cap for PJT2017-00007

Points/Elements	1	2	3	4	Points **
Tract size - Acres	1 or fewer	1.1 to 2.5	2.6 to 5	5.1 or greater	4
Dwelling Units	5 or fewer	6 to 50	51 to 150	151 or greater	4
Square Footage of Non-Residential Space	5,000 or fewer square feet	5,001 to 25,000 square feet	25,001 to 100,000 square feet	100,001 or greater square feet	4
Residential Area Impact	Up to 10% residential development in a residential zone within 1/4 mile of the project	Up to 50% of area within 1/4 mile of the project area is comprised of single-unit detached residential units	Up to 75% of area within 1/4 mile of the project area is comprised of single-unit detached residential units	Development is within single-unit detached unit area	1
Traffic Impact - Net new peak hour trips	Fewer than 30 trips	30-74 trips	75-149 trips	150 or more trips	Within Trip Cap for PJT2017-00007

Points Total*

The total of the points determine the level of notification and the approving authority.

**In calculating the level of review, where no dwelling units, no non-residential square footage or no increase in peak hour trips are proposed, and where there is no single unit residential development within 1/4 mile, no points are assigned to those categories.

BASED ON THE POINTS TOTAL YOUR PROJECT WILL BE:

☐ Site Plan Level 1 (6 or fewer pts) ☒ Site Plan Level 2 (7-15 pts)

Proposed Development:

Retail _____ Sq. Footage Detached Unit _____ MPDU Units 45
 Office 145000 Sq. Footage Duplex _____ Parking Spaces 1071
 Restaurant _____ Sq. Footage Townhouse _____ Handicapped _____
 Other _____ Sq. Footage Attached _____ Live-work _____
 Multi-Family 314

Bicycle Parking: # Long Term 150

Short Term 16

Total # Provided 166

STP Site Plan

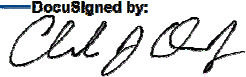
9/22/2023

Existing Site Use(s) (to include office, industrial, residential, commercial, medical etc.) existing office buildings

Project Description/Scope of Work Mixed use development with lab/office and multi-family residential

Previous Approvals: (if any)		
Application Number	Date	Action Taken
FTP2016-00013	05/12/2022	APPROVED
PJT2017-00007	04/29/2019	APPROVED

A letter of authorization from the owner must be submitted if this application is filed by anyone other than the owner.
I hereby certify that I have the authority to make this application, that the application is complete and correct and that I have read and understand all procedures for filing this application.

DocuSigned by:

4B1410E68628428...

5/24/2024

Please sign and date

See Checklist on following pages. Once fully complete, please submit this application form, associated plans and supporting documents to cpds@rockvillemd.gov. All documents must be provided in electronic pdf format.

Application Checklist

All items are required unless otherwise noted. If you believe that at item should not apply to your project, please email cpds@rockvillemd.gov to schedule a pre-submittal meeting. With the request, please provide a project description, any plans or exhibits available, and identify the checklist items you'd like to discuss. During the meeting, staff will evaluate each item with you and provide a determination on whether it can be waived. Following the meeting, staff will provide a summary of the meeting noting which items, if any, may be waived, which you should include with your application.

A) Checklist Worksheet (any items checked must be provided with the application package)

Comprehensive Transportation Review & [Scoping Intake Form](#)

- ☒ Scoping Intake Form is required for all development applications; complete and continue to next question

The amount of trips associated with the development application will determine the Transportation Report needed. If you have questions on the CTR and/or Scoping Intake Form, please contact Traffic & Transportation staff at transportationinquiry@rockvillemd.gov or 240-314-8500.

Water and Sewer Authorization

Does the project utilize City water and sewer [service](#) and involve any change that affects the connection or capacity, such as for a new use, change of use, or increase in development density?

- ☒ Yes – Water and Sewer Authorization is required
- ☐ No – Water and Sewer Authorization is not required
- ☐ No – Service provider is Washington Suburban Service Commission (WSSC)

Stormwater Management

Does the project involve any of the following?

- Total disturbed area is 5,000 square feet or greater
 - Amount of new or replaced impervious area is 250 square feet or greater
 - Requires Federal or State authorization for alteration of any floodplain, City waterway, stream buffer, wetlands or wetlands buffer
- ☒ Yes – stormwater management permit is required
- ☐ No – stormwater management permit is not required

Sediment Control Permit

Does the project involve any of the following?

- Total disturbed area is 5,000 square feet or greater
 - Grading is 100 cubic yards or greater
 - Land disturbing activity within a stream buffer
 - Construction of a new single-unit detached dwelling, townhouse, or semi-detached dwelling unit
- ☒ Yes – sediment control permit is required
- ☐ No – sediment control permit is not required

If you have question on the Water & Sewer, Stormwater Management or Sediment Control Permits requirements, please contact DPW staff at pw@rockvillemd.gov or 240-314-8500.

Natural Resources Inventory/Forest Stand Delineation (NRI/FSD)

If the project requires a covered permit or approval, the applicant shall submit a Forest Stand Delineation as part of, or in connection with, the application (notwithstanding applicable exemptions in [Chapter 10.5](#)).

Covered approval means approval of a subdivision (preliminary or final), site plan or project plan or amendment thereto, or of an amendment to a planned development, as defined herein.

Covered permit means a sediment control permit issued by the City. A sediment control permit (see above) is required by [chapter 19](#) before any grading can be performed.

- ☒ Yes – NRI is required
☐ No – NRI is not required

Forest Conservation Plan (FCP)

If the project requires a covered permit or approval (see above), the applicant shall submit a Forest Conservation Plan as part of, or in connection with, the application (notwithstanding applicable exemptions in [Chapter 10.5](#)).

- ☒ Yes – FCP is required
☐ No – FCP is not required

If you have questions on requirements for an NRI/FSD or FCP, please contact Forestry staff: Shayda Musavi (smusavi@rockvillemd.gov) or Shaun Ryan (sryan@rockvillemd.gov)

Historic District Commission (HDC) Action

Are any buildings proposed to be demolished?

- ☒ Yes – HDC review is required prior to demolition approval. Contact Sheila Bashiri, Preservation Planner at history@rockvillemd.gov for more information
☐ No – No HDC review is required

B) Supporting Materials

- ☒ Project narrative to include a statement of justification that addresses compliance with:
- Comprehensive Master Plan and other applicable city plans
 - Required findings of Section 25.07.01.a.3. and the applicable zoning development standards such as:
 - Sec. 25.10.05 (Single Unit Residential)
 - Sec. 25.11.04 (Residential Medium Density)
 - Sec. 25.12.04 (Industrial)
 - Sec. 25.13.05 (Mixed-Use)
 - Landscaping, Screening and Lighting Manual (Resolution No. 1409)
 - Adequate Public Facilities (Section 25.20)
 - Parking and Loading (Section 25.16)
 - Signs (Section 25.18)
 - Public Use Space (Section 25.17.01)
 - Green Building Regulations (Chapter 5 of the City Code: Building & Building Regulations, Article XIV)
 - Publicly Accessible Art in Private Development (Chapter 4 of City Code, Article IV)
 - Moderately Priced Housing Units (MPDU) (if applicable; Chapter 13.5 of City Code)

- ☒ Copy of approved Natural Resource Inventory (NRI)/Forest Stand Delineation (FSD)
- ☒ Copy of approved Pre-Application Stormwater Management Concept Letter (if applicable)
- ☐ Letter of Authorization (If Applicant is different from owner)

C) Plans

- ☒ A detailed site development plan prepared and certified by a professional engineer including:

a. Required Plan Sheets for Approval

1. Site Plan sheet, showing the following:
 - i. Development Use Table (zoning, parking requirements, use, open space requirements)
 - ii. Existing Conditions/Previously Approved Plan
 - iii. Easement Exhibit with plat references
 - iv. Topography
 - v. Streets, sidewalks, bicycle lanes, and other transportation improvements (on-site and right-of-way, including description and widths)
 - vi. Property lines, adjacent property owners, and legal descriptions
 - vii. Building Footprints with entry grades and locations
 - viii. Parking and loading location and dimensions
 - ix. Driveways, drive aisles, and dimensions
 - x. Setbacks, screening and buffering
 - xi. Moderately Priced Dwelling Unit (MPDU) locations (If proposing 50 or more residential units)
 - xii. Water, sewer and storm drain utilities
 - xiii. Stormwater facilities
 - xiv. Clearly defined Limit of Disturbance (LOD)

b. Additional Plan Sheets & Exhibits (Applicable by Project)

1. Fire protection site plan (required for applications that include construction of or modification to roadways and building access)
2. Landscape and lighting plans
3. Public Use Space, Parks and open space
4. Phasing plan
5. Preliminary building elevations and floor plans
6. On-site vehicle and pedestrian circulation plan with truck turning templates
7. Private pavement marking and signage plan
8. Impervious area exhibit
9. Other exhibits as necessary to show compliance with the items in the project

narrative

Once fully complete, please submit this application form, associated plans and supporting documents to cpds@rockvillemd.gov. All documents must be provided in electronic pdf format.

Site Plan Application Review Timeframes*

Application	1 st Review	1 st Resubmission	2 nd Resubmission & Subsequent	Resubmittal Deadline for Hearing*
Level I Site Plan	4 Weeks	3 Weeks	2 Weeks	N/A
Signature Set	2 Weeks	1 Week	1 Week	N/A
Level II Site Plan	6 Weeks	4 Weeks	3 Weeks	7 weeks
Signature Set	2 Weeks	2 Weeks	1 Week	N/A

*The noted reviews above are general timeframes for review and are dependent on numerous factors such as staff receiving complete submittals, the applicant providing all necessary associated applications and the applicant fully addressing all comments. Specific applications reviews may differ from the timeframes shown here. Signature Set plans are final site plan sets which will be stamped approved and are normally provided once all initial reviews have been completed.

Preparing your Application

To further assist in providing complete and adequate application submissions, please see below for additional guidance in preparing your application. If you have any questions, please contact cpds@rockvillemd.gov. The application must be fully completed as presented. Any deficiencies in the application may be returned by staff for updates upon review.

Combined PDF Plan Documents

Plan sets which include multiple sheets must be provided in a single combined pdf rather than submitting each plan sheet individually. For example, if a Site Plan includes three plan sheets, the three sheets must be combined and submitted as a single Site Plan file pdf.

Site Plan Cover Sheet

All site plan documents must include a cover sheet with a sheet index identifying the included plan sheets.

Example:

SHEET INDEX

SP-1	LEVEL 2 SITE PLAN COVER SHEET
SP-2	LEVEL 2 EXISTING SITE PLAN
SP-3	LEVEL 2 SITE PLAN
SP-4	LEVEL 2 OPEN SPACE SITE PLAN
SP-5	LEVEL 2 BUS CIRCULATION PLAN
SP-6	FIRE DEPARTMENT ACCESS PLAN

Reduce File Size

To allow for efficient transmission and review of plans, all plan documents must be reduced in file size to the maximum extent possible.

No Electronic Signatures

All Electronic Signatures and security restrictions must be removed from plan submission documents in order to allow for efficient processing and review of documents. Please check your documents settings to ensure security restrictions are removed prior to submittal.

File Naming Convention

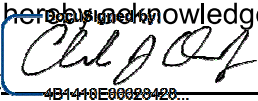
Application Documents must follow the following naming convention: **[street number]** [add a space] **[street name with abbreviated suffix]** (i.e Ave not Avenue) **[application type]** (i.e STP, PJT, PAM, etc.) [add a space] **[document type]** (site plan, landscape plan, etc.) [add a space] **[revision]** (where applicable) [add a space] **[number of the revision]** (where applicable)

Example: **111 Maryland Ave PJT Site Plan Rev 1**

Acknowledgement

As the applicant, I hereby acknowledge the above items in preparation of this application.

Signature of applicant



Date 5/24/2024



Inspection Services Division FIRE PROTECTION SITE PLAN

The Fire Protection site plan shall be an accurate, to-scale representation of all structures on the project site, including pools, retaining walls, and fences. This site plan shall be separate from other submitted plans and shall include:

- ☒ **Project name, address, property lines, and grade lines.**
- ☒ **Name(s) for all roadways on/or immediately adjacent to the project area.**
- ☒ **Proposed Fire Lanes.**
- ☒ **Drawn to scale with compass (North Arrow) graphic representation.**
- ☒ **Legend identifying all symbols.**
- ☒ **Fire Department Access Box Location.**
- ☐ **Water Supply (Fire Flow Calculations).**

Building Code Summary Requirements

- ☐ **Use Group** – Use Group per International Building Code (IBC)
- ☐ **Construction Type** – Type of construction per the International Building Code (IBC)
- ☐ **Fire Protection Systems** – Provide a summary of Fire Protection Systems that will be installed.
- ☐ **Height Calculations** – Provide calculations for allowable height per IBC. The designed height of the proposed building(s) shall be shown on the Fire Protection Site Plan.
- ☐ **Area Calculations** – Provide allowable area calculations per IBC. The designed area of the proposed building(s) shall be shown on the Fire Protection Site Plan.
- ☐ **Frontage Perimeter** – If frontage is used for an area increase, all portions of the building(s) exterior, including width, used in the frontage increase calculation, must be indicated on the fire protection site plan. Overhead obstructions to fire department operations (e.g., power lines and trees) should be minimized within the 20' open area used for frontage calculations.

Fire Department Access Summary Requirements

- ☐ **Fire Department Access Roads** - Fire department access roads shall consist of roadways (where speeds do not exceed 35 mph), fire lanes, parking lot lanes, or a combination thereof. The fire department access road shall extend to within 50 ft of at least one exterior door that can be opened from the outside and provides access to the interior of the building. Sprinklered one- or two-family dwellings or townhouses are permitted within 150 ft of the fire department access road(s).
- ☐ **20'-0 width** – Fire department access roads shall have an unobstructed width of 20 ft.
- ☐ **16'-0 height** – For portions of the fire department access road with overhead obstructions, provide callouts with the obstruction's height measured from the driving surface
- ☐ **Exterior Perimeter Access** – Any portion of the building(s) or any portion of the exterior wall of the first story of the building(s) shall be no further from a fire department access road(s) than the distances indicated below. Distances shall be measured from the fire department access road along the path walked by fire department personnel.
 - **Non-sprinklered Building** – Not more than 150 ft
 - **Sprinklered Building** – Not more than 450 ft
- ☐ **Surface** – Fire department access roads shall be designed and maintained to support the imposed loads of fire apparatus and shall be provided with an all-weather driving surface. Materials and systems other than asphalt or concrete will require additional information subject to approval by Permit and Inspection Services.

- ☒ **Curb Cuts** – Fire Department Access Roads connecting to roadways shall be provided with curb cuts extending at least 2' beyond each edge of the fire department access road.
- ☒ **Turning Radii** - Turning radii for the fire department access road shall comply with the following:
 - (1) The minimum interior turning radius for a fire department access road is 25 ft
 - (2) The minimum exterior turning radius for a fire department access road is 50 ft
 - (3) Performance-based approval of alternative turning radii may be permitted if apparatus movement into opposing lanes of traffic is minimized and an unrestricted fire department access road is maintained.
- ☒ **Multiple Access Roads** – More than one fire department access road shall be provided if access by a single access road could be impaired by vehicle congestion, condition of the terrain, climatic conditions, or other factors. Inspection Services shall make the final determination for the necessity of additional Fire department Access Roads.
- ☒ **Turnarounds** – All Fire Department Access Roads in excess of 150' must be provided with an approved means for fire department apparatus to turn around. Cul-de-sacs used to provide a dead-end apparatus turnaround shall not be less than 90 ft in diameter at the closed end. ref. COR, 18.2.3.5.3.1.
 - Hammerhead or T-turnarounds used to provide a dead-end apparatus turnaround shall have legs not less than 60 ft long and all portions of the hammerhead or T-turnaround not less than 20 ft wide. ref. COR, 18.2.3.5.3.2.
- ☐ **Obstructions to Fire Department Access** – Fire Protection Site Plan shall indicate gates, bollards, or other obstructions to Fire Department Access on the roads. If these obstructions are designed to permit Fire Department Access, information regarding the access method shall be provided.
- ☒ **Marking** – Provide any proposed signage about the Fire Department Access and Fire Lanes.
- ☒ **Fire Hydrants** – Show the location of all fire hydrants on the project site. Fire hydrants shall be spaced not greater than 300 ft from all exterior points of the structure where the fire hose would lay on the ground and within 400 ft from any dead-ends in a fire department access road. ref. COR, 18.5.1.7.
 - Fire hydrant spacing may be increased to 500 ft for structures protected throughout by an approved automatic sprinkler system, in accordance with Section 9.7 of NFPA 101, Life Safety Code, 2018 Edition. ref. COR, 18.5.1.7.1.
- ☒ **Fire Department Connection** – The location of the Fire Department Connection (FDC or Siamese connection) should be shown if the location of the FDC is known or anticipated. A fire hydrant is required to be within 100' of the FDC.
- ☒ **Fire Flow Data** – Provide calculations showing the required fire flows, per NFPA 1, Section 18.4. and documentation providing the anticipated fire flow on-site.

Means of Egress Summary Requirements

- ☐ **Exit Termination** – Show all exit points on the building(s), providing emergency egress for building occupants.
- ☐ **Exit Discharge** – Beginning at the exterior of the building(s), provide the following information for the exit discharge.
- ☐ **Width** - The width of the walking surface shall be indicated and shall not reduce to less than is required based upon the occupant load.
- ☐ **Surface** – Walking surface materials must be stable, level, slip-resistant, and free of tripping hazards.
- ☐ **Path to a Public Way** – Provide the path of exit discharge from the exterior of the building(s) to a public way.
- ☐ **Special Provisions** – Provide special egressing arrangements (e.g., discharging into a secured, outside enclosure or courtyard) for consideration by the Inspection Services Division.

Reference Codes: International Building Code, NFPA 1, *Fire Code*, NFPA 101, *Life Safety Code*, and City of Rockville Building and Fire Codes should be used in developing the Fire Protection Site Plan.



Comprehensive Transportation Review SCOPING INTAKE FORM

Project Name:	Shady Grove Innovation District Applicant: Boston Properties					
Permit No. (if available):						
Subject Property Address:	15934 Shady Grove Road & 4 Choke Cherry Road Rockville, Md					
Contact Person:	William L. Zeid, P.E.					
Contact Phone Number:	Phone:	Desk:	202.296.8626 ext 245			
		Cell:	571.466.6605			
Contact Email Address:	william.zeid@goroveslade.com					
Proposed Land Use Density:	Use	Square Footage/ Dwelling Units				
	Approved Use:	Mixed Use Approved Under PJT2017-00007 136 townhomes approved with STP2020-00393				
	Trip Cap Established with PJT2017-00007	Phase 1: 644 AM / 1327 PM / 1042 SAT Total: 1451 AM / 2674 PM / 2083 SAT				
	Proposed Uses: (In addition to STP2020-00393 approved 136 townhomes)	145,000 SF of R&D / Life Sciences Space 360 Multi-Family Apartments (mid-rise)				
Trip Generation	Vehicle Trip Generation					
"Total" represents the trips generated by the current application combined with STP2020-00393. "vs Phase 1 Cap" compares the Total Trips to the approved limit for Phase 1 under PJT2017-00007.	Peak Period	IN		OUT		TOTAL
		Total	vs Phase 1 Cap	Total	vs Phase 1 Cap	Total
	AM	176	Net: -97	190	Net: -181	366
	PM	156	Net: -109	210	Net: -852	366
	SAT	132	Net: 53	134	Net: -829	266
Proposed Study Area (Boundaries and Intersections)	The current site plan application and approved STP2020-00393 combined generate fewer trips than are approved for Phase 1 under PJT2017-00007. Therefore, a full CTR with vehicular analyses is not required. Only a limited CTR with on-site assessment is required for this application.					
Proposed Access Points:	The residential building will have a driveway for vehicular and loading access on Progress Street (Street D) which connects to Shady Grove Road to the north and the new Discovery Street (Street C) to the south. Discovery Street will be constructed between Choke Cherry Road and Gaither Road. A private commercial driveway will connect to Discovery Street west of Gaither Road to service pick-up/drop-off area for the new R&D building as well as vehicular access to the new garage. An additional commercial driveway connecting to the new garage will be provided from Shady Grove Road via a right-in/right-out access condition. A right-in/right-out only loading-only access driveway will be provided on Gaither Road.					
Projected Horizon (Build Out) Date:	Following approval of the application, the building is proposed to be occupied within 2-3 years.					
Statement of Operations	This application includes construction of a new R&D building providing up to 145,000 SF of floor area, a new standalone parking garage to serve the R&D uses, and a new 360-unit residential building with structured parking. This site plan is proceeding under the approved PJT2017-00007 with a shift in use mix, as allowed under that approval, for the subject areas included on the current plan. The trip generation, combined with approved STP2020-00393 (townhomes) will not exceed the threshold set for Phase 1 under PJT2017-00007. Therefore, the subject application will not trigger Phase 2 transportation improvement requirements. The plan does include necessary ROW dedication and/or allocation along Choke Cherry Road, Shady Grove Road and Gaither Road to accommodate Phase 1 and Phase 2 transportation requirements. Details of the proposed plan will be discussed in the limited CTR on-site assessment.					

Attachments: (I) Excerpt from PJT2017-00007 (II) Trip Generation Scorecard

vehicles by 20% for proposed new office uses at full build-out (Phase One and Phase Two combined) and must include appropriate peak hour trip reduction strategies to be fully funded and implemented by Applicant.

25. The transportation impact of the Application has been evaluated in two phases. Phase One will be limited to generate no more than 644 (273+371) AM, 1,327 (265+1062) PM, and 1,042 (79+963) Saturday peak hour trips. This level of development is based upon 183,798 square feet of existing office space to remain plus 70,000 square feet of commercial retail, 220 multi-family units, and 120 single-family attached dwelling units. Phase Two is defined as development beyond Phase One.

26. The total development on the proposed site at build-out (Phase One and Phase Two combined) can generate no more than 1,451 AM, 2,674 PM, and 2,083 Saturday peak hour trips. This level of commercial development is based upon 220,000 square feet of office development, 170,000 square feet commercial retail, hotel(s) with up to 240 rooms, 1,336 multi-family units, and 330 single-family attached dwelling units.

27. Applicant may make changes in the mix of uses within each phase of development without analyzing the traffic impact, as long as the above trip cap for each respective phase is not exceeded.

28. Prior to the issuance of the first building permit for a building within the Property, Applicant must revise the plan to show a total dedication of 60 feet from the existing center line along the entire Property's frontage with Shady Grove Road, with an additional 15-foot wide public access easement for the construction of a shared-use path in this portion of the Property, with all other rights retained by Applicant. This is needed to accommodate the future upgrading of Shady Grove Road to a Major Highway, as recommended by the approved M-NCPPC Master

Attachment II: Trip Scorecard

Trip Generation Scorecard

5/14/2024

Shady Grove Innovation District

Note: Setting used for trip generation is General Urban/Suburban
Base trip generation using ITEs' Trip Generation 11th Edition

Land Use	Land Use Code	Quantity (x)	AM Peak Hour			PM Peak Hour			Saturday Peak Hour		
			In	Out	Total	In	Out	Total	In	Out	Total
Approved: STP2020-00393: Phase 1 Site Plan Approval for 136 Townhomes											
Townhomes	215	136 du	16 veh/hr	49 veh/hr	65 veh/hr	46 veh/hr	32 veh/hr	78 veh/hr	41 veh/hr	45 veh/hr	86 veh/hr
Calculation Details:			25%	75%	=0.52X/1000-5.7	59%	41%	=0.6X/1000-3.93	48%	52%	$\ln(T)=0.82\ln(X)+0.43$
Proposed: Current Site Plan Application											
Multi-Family Residential	221	360 du	34 veh/hr	113 veh/hr	147 veh/hr	86 veh/hr	55 veh/hr	141 veh/hr	73 veh/hr	72 veh/hr	145 veh/hr
Calculation Details:			23%	77%	=0.44X/1000-11.61	61%	39%	=0.39X+0.34	51%	49%	$\ln(T)=1\ln(X)-0.91$
Research and Development	760	145,000 sf	126 veh/hr	28 veh/hr	154 veh/hr	24 veh/hr	123 veh/hr	147 veh/hr	18 veh/hr	17 veh/hr	35 veh/hr
Calculation Details:			82%	18%	=0.89(X/1000)+24.54	16%	84%	=0.84(X/1000)+25.08	Assumed 50%	Assumed 50%	=0.24(X/1000)
Current Application Subtotal			160 veh/hr	141 veh/hr	301 veh/hr	110 veh/hr	178 veh/hr	288 veh/hr	91 veh/hr	89 veh/hr	180 veh/hr
Total Trips Used			176 veh/hr	190 veh/hr	366 veh/hr	156 veh/hr	210 veh/hr	366 veh/hr	132 veh/hr	134 veh/hr	266 veh/hr
Phase 1 Approved Trip Cap: From Condition 25 of PJT2017-00007											
Allowed Mixed Use Trip Cap to Remain Within Phase 1 of Project Plan Approval					644 veh/hr			1327 veh/hr			1042 veh/hr
Remaining Phase 1 Trips:					278 veh/hr			961 veh/hr			776 veh/hr
Phase 2 Approved Trip Cap (Includes Phase 1 Trips): From Condition 26 of PJT2017-00007											
Allowed Mixed Use Trip Cap to Remain Within Project Plan Approval					1451 veh/hr			2674 veh/hr			2083 veh/hr
Remaining Project Plan Approved Total Trips:					1085 veh/hr			2308 veh/hr			1817 veh/hr