# BEFORE THE HEARING EXAMINER FOR MONTGOMERY COUNTY, MARYLAND 

Office of Zoning and Administrative Hearings
100 Maryland Avenue, Room 200
Rockville, Maryland 20850

IN THE MATTER OF: )
WORLDSHINE HOMES, LLC )
Petitioner. )
Qili Li
Kevin Huang
Jennifer Xu
Conditional Use No. CU 23-11
Joshua Sloan

Anne (Nancy) Randall

For the Application. )

Steven A. Robins, Esquire
Elizabeth C. Rogers, Esquire ) Attorneys for the Petitioner. )

## PETITIONER'S PRE-HEARING STATEMENT

In accordance with the provisions of Rule 3.4 of the Rules of Procedure for Conditional Use Cases, Worldshine Homes, LLC (the "Petitioner") submits this Pre-Hearing Statement (the "Statement") in connection with its request for approval of a Residential Care Facility (Over 16 Persons) on the Property (defined below). The Petitioner incorporates by reference its Land Use Report, submitted in connection with Conditional Use Application No. CU 23-11 (the "Application"), which contains additional information in support of the application and justification for the request.

## I. STATEMENT OF GROUNDS UPON WHICH THE CASE IS BASED AND JUSTIFICATION FOR THE CONDITIONAL USE APPLICATION.

The Property consists of approximately 202,898 square feet (or 4.66 acres) of land located in the northwest quadrant of the intersection of West Old Baltimore Road and Ruby Drive in Boyds, Maryland. More specifically, the Property is an assemblage of four separate parcels more particularly known as Lot 3, Lot 2 and Lot 1 (currently comprised as two separate

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parcels that collectively comprise Lot 1) in the "Neelsville" subdivision as recorded among the Land Records of Montgomery County, Maryland at Plat No. 7681. (Collectively, the "Property").

The Property is currently zoned Residential - 200 ("R-200") and is improved with two single-family homes and associated accessory structures. The Petitioner seeks to redevelop this currently underutilized property with a Residential Care Facility (over 16 persons) containing up to 120 beds (the "Project"). To the Petitioner's knowledge, there are currently no assisted living facilities provided in the Clarksburg/Boyd region of Montgomery County. As such, there are limited options in the area for those seniors who want to "age in their community" but need help with the activities of daily living. The Project will address this growing need by providing assisted living services to support the community.

The revised Conditional Use Plan reflects significant modifications made by the Petitioner to address comments received from the community, Park and Planning Staff, and various reviewing agencies. These design iterations are discussed in detail in the Land Use Report. Of significance, the Petitioner substantially reduced the footprint and mass of the cottages, so as to be comparable with the single-family homes in the adjacent residential community. And most recently, the Petitioner expanded the Conditional Use area, to include the parcel located directly along West Old Baltimore Road (the other "part of Lot 1"). With the acquisition of this additional parcel, the Petitioner is able to keep all vehicular activity for the Project on West Old Baltimore Road. The resulting Project layout also allows the Applicant to move the parking and trash enclosure to the rear of the Property, so as to be substantially screened from the surrounding residential homes, while maintain the existing character of West Old Baltimore Road and Ruby Drive.

As depicted on the Conditional Use Plan and discussed in detail in the Land Use Report, the Application satisfies the requirements of the Zoning Ordinance and all necessary findings contained in Zoning Ordinance Section 7.3.1.E, for approval of a Conditional Use. Pursuant to Section 3.1.6 of the Zoning Ordinance, a Residential Care Facility (Over 16 Persons) is permitted as a Conditional Use in the R-200 Zone. Residential Care Facility is defined to include assisted living facilities, like the proposed Project. As outlined in the Petitioner's updated Land Use Report and demonstrated on the Conditional Use Plan, the Applicant satisfies the requirements for a Residential Care Facility (Over 16 Persons) contained in Section 3.3.2.E of the Zoning Ordinance and also satisfies all purposes and requirements of the R-200 Zone (Zoning Ordinance, Section 4.4.7.B).

The Application also is in substantial conformance with the 1994 Approved and Adopted Clarksburg Master Plan \& Hyattstown Special Study Area (the "Master Plan"). Importantly the Project provides desired senior housing in the Master Plan's "Brink Road Transition Area". The Master Plan contains no site-specific recommendations for the Property. However, the Master Plan recommends compatible, low-density residential uses in the Brink Road Transition Area.
(See Page 77). The Project, which is residential in use and character, and designed to mirror the appearance of single-family homes, with ample green area proposed, furthers this goal by providing compatible, low-density infill development that has little impact on the Surrounding Neighborhood. Furthermore, the "Brink Road Transition Area" recommends the continuation of the residential character of MD 355. (See Page 75). The exterior architecture of the cottages is designed to be residential in nature and evoke an inviting residential quality of "home". The cottages incorporate traditional residential architectural elements and details such as peaked roofs, covered porches, bay windows, and many other design features, to complement the residential character of the Surrounding Neighborhood. The exterior building materials feature a neutral color pallet, with horizontal siding and natural stone and wood accents. The overall effect is a residential community that complements the character of the Surrounding Neighborhood. As described in the Land Use Report, the footprint of the buildings were substantially reduced from what was originally proposed. The resulting cottage footprints are comparable to the footprints of the newly constructed residential homes to the west of the Property. As a result, the Project complements the surrounding residential neighborhoods and importantly, provides diverse housing opportunities to allow existing seniors in the Clarksburg/Boyds area to age in community.

Also, to further the Project's compatibility with the surrounding neighborhood, the Project will maintain and enhance the existing landscaping around the periphery of the site, to provide ample screening and buffering from the surrounding residential uses. As noted above, the revised Conditional Use Plan provides direct access off of West Old Baltimore Road.

A Traffic Statement was prepared by the Applicant's traffic consultant, Wells + Associates, and submitted with the Application, which concluded that the proposed development will not exceed the applicable LATR standards. The Traffic Statement demonstrates that the Project will generate 34 AM peak hour and 45 PM peak hour person trips. Endesco, the Project engineer, also prepared a site distance analysis in order to confirm that visibility to and from the site is adequate pursuant to the requirements issued by Montgomery County.

Adequate public facilities and services will be available to serve the Residential Care Facility. Notably, although the Project provides new residential density, the proposed senior living facility use will not generate any new students. Thus, the Project will have no impact on public school capacity. The roadway network surrounding the Property and the proposed vehicular and pedestrian circulation are safe, adequate and efficient. Although not required by LATR, Wells + Associates has prepared a supplemental analysis on queuing and crash history, which further demonstrates the adequacy of the surrounding roadway network. (See Attachment "A"). The Property will be served by existing water and sewer mains, which will be extended to the Property via an existing easement, to allow for a connection to existing infrastructure to the north. Electric, gas and telecommunications services are also available to serve the Property.

Other public facilities and services - including police stations, firehouses, and health care facilities - are currently available in the vicinity of the Project.

The evidence to be presented will demonstrate: (1) that the Conditional Use Application satisfies the development standards of the R-200 Zone; (2) that the Conditional Use Application satisfies the use standards contained in Section 59-3.3.2.E.2.c for a Residential Care Facility (Over 16 Persons) (3) that the available public facilities and services will be adequate to serve the proposed development; (4) that the Conditional Use substantially conforms with the recommendations of the Master Plan; and (5) that approval of the Conditional Use complies with the required general and specific findings contained in Zoning Ordinance Section 59-7.3.1.E.

## II. REPORTS INTENDED TO BE INTRODUCED AT THE HEARING

1. Land Use Report;
2. Statement of Operations;
3. Traffic Statement prepared by Wells + Associates; and
4. Supplemental Analysis (regarding queues and crash history) prepared by Wells + Associates.

With the exception of the Supplemental Analysis prepared by Wells \& Associates, submitted concurrently with this Pre-Hearing Statement, these reports already have been submitted into the record.

## III. SUMMARY OF EXPERT TESTIMONY

At the present time, the Petitioner intends to call the following expert witnesses to testify in support of the Conditional Use application:

1. Mr. Kevin Huang with Endesco will testify as to among other things, the physical characteristics and natural environmental features of the Property (including testimony related to the approved Natural Resources Inventory/Forest Stand Delineation and the Preliminary Forest Conservation Plan), and the proposed Water Quality Plan for the redevelopment of the Property. Mr. Huang also will testify regarding the site distance analysis for the Project and other civil engineering matters.
2. Mr. Joshua Sloan, ASLA and AICP, Landscape Architect and Certified Land Planner, will testify as to the proposed development's compliance with the intent, applicable development standards, and all requirements of the Zoning Ordinance for Residential Care Facilities for more than 16 individuals (e.g. building placement, parking, green area, landscaping, screening etc.). He also will provide testimony regarding the proposed development's substantial conformance with the Master Plan and compatibility with the surrounding neighborhood.
3. Ms. Jennifer Xu, AIA, with Prime Planning International, will testify as to the architectural and design elements of the proposed senior living cottages and the Project's compatibility with the surrounding neighborhood.
4. Ms. Anne Nancy Randall, transportation planner with Wells + Associates, will testify as to traffic and transportation planning issues, in accordance with the Traffic Statement and Supplemental Analysis prepared for the Conditional Use Application.

The resumes of the above-identified expert witnesses are attached hereto. (See Attachment "B"). The Petitioner reserves the right to call additional expert witnesses if it deems necessary.

## IV. OTHER WITNESSES WHO WILL TESTIFY

In addition to the above expert witnesses, the Petitioner may also have the following witness testify:

1. Mr. Qili Li or Ms. Becky Jia, on behalf of Worldshine Homes, will testify as to the proposed use and operations, as well as some planning and design aspects of the Project.

## V. ESTIMATED TIME REQUIRED FOR PRESENTATION

The Petitioner anticipates that, excluding questions, the presentation of its case-in-chief for the proposed Conditional Use will take approximately two to three hours.

This submission is intended to satisfy the requirement of the Rules of Procedure for Conditional Use Cases. If it is subsequently determined that new or supplemental information is necessary, the Petitioner will make a supplemental submission in a timely fashion.

> Respectfully submitted,


Steven A. Robins


Elizabeth C. Rogers

## ATTACHMENT "A"

## RE: $\quad$ Supplemental Analysis - Worldshine Ruby Senior Living - Conditional Use No. 23-11

 West Old Baltimore Avenue, Montgomery County, MarylandDear Ms. Byrne:
In order to provide information typically requested by the Zoning Hearing Examiner in advance of the Conditional Use hearing, Wells + Associates conducted an access analysis for the Worldshine Assisted Living project for you and your staff's review. This updated analysis reflects the change in access and the increase in dwelling units as reflected in the update project design, which responds to comments received from Park and Planning Staff and other reviewing agencies. Our analysis includes a review of intersection queues, and crash data at the intersections of West Old Baltimore Road/Ruby Drive and MD 355/West Old Baltimore Road.

The subject site is located on the north side of West Old Baltimore Road, west side Ruby Drive and east of Ivy Leaf Drive in the Clarksburg Policy Area of Montgomery County, Maryland. The Applicant has revised the application to incorporate the additional parcel located in the northwest quadrant of West Old Baltimore Road and Ruby Drive. This additional land area allowed the Applicant to provide access to the project off of West Old Baltimore Road, and also resulted in an increase in beds from 90 beds to 120 beds.

The proposed development will generate less than 50 person trips and therefore an LATR study is not required. The attached Table 1 shows the trip generation anticipated for an assisted living facility with up to 120 beds. An exemption letter dated October 3, 2023, was submitted with the application package.

## Queue Analysis

Although not required by LATR, counts were conducted at the Ruby Drive/W. Old Baltimore Road, and MD 355 (Frederick Road)/West Old Baltimore Road intersections on December 13, 2021, from 6:30 to 9:30 AM and 4:00 to 7:00 PM. The peak hours on Ruby Drive/W. Old Baltimore Road occurred from 7:30 to 8:30 AM and from 4:45 to 5:45 PM, and on MD 355
(Frederick Road)/W. Old Baltimore Road occurred from 7:15 to 8:15 AM and from 4:00 to 5:00 PM.

The site trip distribution assumed for this analysis is based on the MNCPPC trip distribution tables as follows: 100 percent of site vehicles headed to/from the east via Ruby Drive to W. Old Baltimore Road, with 10 percent of vehicle trips to the north on MD 355 and 90 percent south on MD 355.

HCM 2000 method in Synchro was used to calculate the queues. The Synchro analysis provides the calculation of queues as well as intersection capacity. Table 2 summarizes the results of the queue analysis. Three queuing scenarios were analyzed: 1) existing conditions, 2) background conditions, and 3) future conditions (with the proposed 120 bed assisted living development).

Under each of the study conditions, both study intersections are well within the MNCPPC capacity standards ( 51 seconds of delay or less) and no queue exceeds the available storage length. A summary of the intersection results is shown on Table 3.

Copies of the forecast worksheets, queue reports, and intersection capacity analysis for both intersections are attached to this letter in the Attachment A.

## Crash Evaluation

The crash history at both study intersections and the roadway link between the intersections was updated to include accident data reported from January 1, 2019, through the mid-year 2023. There were no additional crashes reported for 2022 or 2023. All reported crashes occurred at or near MD 355 (Frederick Road)/West Old Baltimore Road intersection. A summary of the crashes is shown in Table 4 and the detailed crash report for each is provided in Attachment A.

In 2019, the intersection of W. Old Baltimore Road/MD 355 was under construction to provide turn lanes, channelization, and install a new signal. Most of the crashes (5 of the 7) occurred in 2019-2020 before or during the construction which was completed in 2020. Since the completion of the intersection improvements, the number of accidents has declined and no accidents were reported in 2022 or 2023. Based on the accident data, the intersection improvements have improved the safety at this intersection. No accidents were reported during the study period from 2019 through 2023 at the intersection of W. Old Baltimore Road and Ruby Drive or along W. Old Baltimore Road from the site access to MD 355.

Based on the analysis summarized in this letter and the attached documents, it is our professional opinion that the proposed development of Worldshine assisted living will not adversely impact the area road network.

## WELLS + ASSOCIATES

If you have any questions regarding this analysis, please call me at (410) 353-7340 or email me at amrandall@wellsandassociates.com.

Sincerely,


Nancy Randall, AICP

Table 1
Worldshine Ruby Drive
Site Trip Generation

| Land Use | LU Code | Amount | Unit | AM Peak Hour |  |  | PM Peak Hour |  |  | AM Peak Hour |  |  |  |  | PM Peak Hour |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | In | Out | Total | In | Out | Total | Auto Driver (Vehicle Trips) | Auto Passenger | Transit Trips | NonMotorized | Total <br> Person Trips | Auto Driver (Vehicle Trips) | Auto Passenger | Transit Trips | NonMotorized | Total <br> Person Trips |
| Assisted Living | 254 | 120 | BEDS | 13 | 9 | 22 | 11 | 18 | 29 | 22 | 9 | 1 | 1 | 34 | 29 | 12 | 1 | 3 | 45 |

Note: Trip Generation Rates based ITE 11th Generation, Mode Split is based on 2021 LATR Guidelines (Clarksburg Policy Area)

Table 2
Worldshine Ruby Drive
Intersection Queuing Summary ${ }^{(1 / 1 / 2 /}$

| Intersection | Operating <br> Condition | Street <br> Name | Approach/ <br> Movement | Available <br> Storage (ft) | Existing Condition | Background Future | Total Future |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | AM PM | AM PM | AM | PM |
| 1 Frederick Road (Route 355)/W. Old Baltimore Road | Signalized | W. Old Baltimore Road | EBL | 209 | 103 76 | 10780 | 107 | 81 |
|  |  | W. Old Baltimore Road | EBR | free right | 0 | 0 | 0 | 0 |
|  |  | Frederick Road (Route 335) | NBL | 650 | $92 \quad 61$ | 147 80 | 179 | 88 |
|  |  | Frederick Road (Route 335) | SBR | 415 | 89 | $9 \quad 14$ | 10 | 14 |
| 2 W. Old Baltimore Road/Site Access | STOP | W. Old Baltimore Road W. Old Baltimore Road Site Access | EbLt | 765 |  |  | 0 | 0 |
|  |  |  | WBTR | 440 | Total Future Only Intersection | Total Future Only Intersection | 0 | 0 |
|  |  |  | SBLR | site interior |  |  | 2 | 3 |

Notes :(1) Queue length in feet is based on the 95th percentile queue as reported by Synchro, Version 11.
(2) Roadway names in bold are considered north/south for purposes of this analysis.

Table 3
Worldshine Ruby Drive
Intersection Delay Summary ${ }^{(1)}$

| Intersection | Operating Condition | Existing Condition |  | Background Future |  | Total Future |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | AM | PM | AM | PM | AM | PM |
| 1 Frederick Road (Route 355)/W. Old Baltimore Road | Signalized | 17.2 | 8.1 | 20.2 | 9.5 | 22.5 | 9.8 |
| 2 W. Old Baltimore Road/Site Access | STOP | Total Futu | rsection | Total Futu | rsection | 0.2 | 0.4 |

Notes : (1) Roadway names in bold are considered north/south for purposes of this analysis

Table 4
Accident Data Summary

|  | Subcategory | Number of Crashes | Number of Crashes | Number of Crashes | Number of Crashes | Number of Crashes | Number of Crashes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Category | Year | 2019 | 2020 | 2021 | 2022 | 2023 | $\begin{gathered} \hline \text { Total of } 4 \\ +1 / 2 \\ \text { years } \\ \hline \end{gathered}$ |
| Light Condition | Daylight | 2 | 1 | 1 | 0 | 0 | 4 |
|  | Dark Lights On | 2 | 1 | 0 | 0 | 0 | 3 |
| Surface Condition | Dry | 4 | 1 | 1 | 0 | 0 | 6 |
|  | Wet | 0 | 1 | 0 | 0 | 0 | 1 |
| Severity | Property Damage | 2 | 1 | 0 | 0 | 0 | 3 |
|  | Injury Crash | 2 | 1 | 1 | 0 | 0 | 4 |
| Driver Substance Abuse | None Detected | 3 | 2 | 1 | 0 | 0 | 6 |
|  | Alchohol Present | 1 | 0 | 0 | 0 | 0 | 1 |
|  | N/A | 0 | 0 | 0 | 0 | 0 | 0 |
| Colision Type | Single Vehicle | 2 | 1 | 0 | 0 | 0 | 3 |
|  | Same Direction Rear End | 2 | 1 | 0 | 0 | 0 | 3 |
|  | Head on Left Turn | 0 | 0 | 1 | 0 | 0 | 1 |
| Intersection Related | Yes | 2 | 2 | 1 | 0 | 0 | 5 |
|  | No | 2 | 0 | 0 | 0 | 0 | 2 |
| Day of Week | Weekday | 3 | 2 | 1 | 0 | 0 | 6 |
|  | Weekend | 1 | 0 | 0 | 0 | 0 | 1 |
| Time of Day | AM Peak (6:30-9:30 AM) | 1 | 1 | 1 | 0 | 0 | 3 |
|  | PM Peak (4:00-7:00 PM) | 1 | 0 | 0 | 0 | 0 | 1 |
|  | Other | 2 | 1 | 0 | 0 | 0 | 3 |
| Direction | NB | 4 | 2 | 1 | 0 | 0 | 7 |
|  | SB | 0 | 0 | 0 | 0 | 0 | 0 |

## ATTACHMENT A HCM REPORTS FORCASTS,COUNTS, ACCIDENT DETAILS

|  | $\rangle$ | 7 | 4 | 4 | $\downarrow$ | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Group Flow (vph) | 59 | 315 | 130 | 532 | 1239 | 34 |
| v/c Ratio | 0.46 | 0.20 | 0.56 | 0.33 | 0.88 | 0.03 |
| Control Delay | 75.4 | 0.3 | 21.3 | 3.3 | 25.4 | 1.3 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 75.4 | 0.3 | 21.3 | 3.3 | 25.4 | 1.3 |
| Queue Length 50th (ft) | 56 | 0 | 17 | 94 | 854 | 0 |
| Queue Length 95th (ft) | 103 | 0 | 92 | 159 | \#1525 | 8 |
| Internal Link Dist (tt) |  |  |  | 511 | 894 |  |
| Turn Bay Length (ft) |  | 155 |  |  |  | 415 |
| Base Capacity (vph) | 423 | 1583 | 253 | 1611 | 1406 | 1206 |
| Starvation Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.14 | 0.20 | 0.51 | 0.33 | 0.88 | 0.03 |
| Intersection Summary |  |  |  |  |  |  |
| \# 95th percentile volume exceeds capacity, queue may be longer.Queue shown is maximum after two cycles. |  |  |  |  |  |  |
|  |  |  |  |  |  |  |


c Critical Lane Group

1: MD 355 \& W Old Baltimore Rd/Driveway

|  | $y$ |  | 4 | $\dagger$ |  | $\downarrow$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Group Flow (vph) | 39 | 180 | 274 | 1141 | 837 | 37 |
| v/c Ratio | 0.36 | 0.11 | 0.53 | 0.70 | 0.58 | 0.03 |
| Control Delay | 74.1 | 0.1 | 5.6 | 7.0 | 11.0 | 1.4 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 74.1 | 0.1 | 5.6 | 7.0 | 11.0 | 1.4 |
| Queue Length 50th (ft) | 37 | 0 | 34 | 328 | 315 | 0 |
| Queue Length 95th (ft) | 76 | 0 | 61 | 558 | 589 | 9 |
| Internal Link Dist (ft) |  |  |  | 519 | 899 |  |
| Turn Bay Length (ft) |  | 155 |  |  |  | 415 |
| Base Capacity (vph) | 178 | 1583 | 647 | 1634 | 1434 | 1230 |
| Starvation Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.22 | 0.11 | 0.42 | 0.70 | 0.58 | 0.03 |
| Intersection Summary |  |  |  |  |  |  |


c Critical Lane Group

1: MD 355 \& W Old Baltimore Rd/Driveway

|  | $y$ | 7 | 4 |  | $\downarrow$ | $\downarrow$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Group Flow (vph) | 62 | 377 | 154 | 532 | 1239 | 35 |
| v/c Ratio | 0.48 | 0.24 | 0.66 | 0.33 | 0.90 | 0.03 |
| Control Delay | 75.6 | 0.4 | 39.5 | 3.4 | 29.3 | 1.5 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 75.6 | 0.4 | 39.5 | 3.4 | 29.3 | 1.5 |
| Queue Length 50th (ft) | 59 | 0 | 68 | 95 | 943 | 0 |
| Queue Length 95th (ft) | 107 | 0 | 147 | 163 | \#1564 | 9 |
| Internal Link Dist (ft) |  |  |  | 511 | 894 |  |
| Turn Bay Length (t) |  | 155 |  |  |  | 415 |
| Base Capacity (vph) | 423 | 1583 | 246 | 1607 | 1371 | 1177 |
| Starvation Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.15 | 0.24 | 0.63 | 0.33 | 0.90 | 0.03 |
| Intersection Summary |  |  |  |  |  |  |
| \# 95th percentile volume exceeds capacity, queue may be longer.Queue shown is maximum after two cycles. |  |  |  |  |  |  |
|  |  |  |  |  |  |  |


c Critical Lane Group

1: MD 355 \& W Old Baltimore Rd/Driveway

|  | $\rangle$ | 7 | 4 | $\dagger$ |  | $\downarrow$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Group Flow (vph) | 41 | 226 | 347 | 1141 | 837 | 41 |
| $\mathrm{v} / \mathrm{C}$ Ratio | 0.38 | 0.14 | 0.65 | 0.70 | 0.61 | 0.03 |
| Control Delay | 74.3 | 0.2 | 8.1 | 7.1 | 14.6 | 2.3 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 74.3 | 0.2 | 8.1 | 7.1 | 14.6 | 2.3 |
| Queue Length 50th (ft) | 39 | 0 | 46 | 332 | 368 | 0 |
| Queue Length 95th (ft) | 80 | 0 | 80 | 567 | 714 | 14 |
| Internal Link Dist (ft) |  |  |  | 519 | 899 |  |
| Turn Bay Length (tt) |  | 155 |  |  |  | 415 |
| Base Capacity (vph) | 178 | 1583 | 627 | 1632 | 1376 | 1182 |
| Starvation Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.23 | 0.14 | 0.55 | 0.70 | 0.61 | 0.03 |

[^0]
c Critical Lane Group

1: MD 355 \& W Old Baltimore Rd/Driveway


c Critical Lane Group


1: MD 355 \& W Old Baltimore Rd/Driveway

|  | $\rangle$ | 7 | 4 | $\dagger$ |  | $\downarrow$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Group Flow (vph) | 43 | 243 | 358 | 1141 | 837 | 42 |
| $\mathrm{v} / \mathrm{C}$ Ratio | 0.39 | 0.15 | 0.67 | 0.70 | 0.61 | 0.04 |
| Control Delay | 74.5 | 0.2 | 9.1 | 7.3 | 15.3 | 2.6 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 74.5 | 0.2 | 9.1 | 7.3 | 15.3 | 2.6 |
| Queue Length 50th (ft) | 41 | 0 | 48 | 336 | 382 | 0 |
| Queue Length 95th (ft) | 81 | 0 | 88 | 575 | 736 | 14 |
| Internal Link Dist (ft) |  |  |  | 519 | 899 |  |
| Turn Bay Length (tt) |  | 155 |  |  |  | 415 |
| Base Capacity (vph) | 178 | 1583 | 625 | 1630 | 1364 | 1171 |
| Starvation Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.24 | 0.15 | 0.57 | 0.70 | 0.61 | 0.04 |

[^1]
c Critical Lane Group


1: Frederick Rd (MD 355)/W. Old Baltimore Rd

| Traffic Component |  |  | Southbound <br> Frederick Rd (MD 355) |  |  | Westbound Off-Site Driveway |  |  | Northbound Frederick Rd (MD 355) |  |  | Eastbound <br> W. Old Baltimore Rd |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Right |  | Left |  | Through |  | Right |  |  |
| Existing Volume |  |  | 31 | 1,140 | - | - | - | - | - | 489 | 120 | 290 | - | 54 |
| Growth |  |  | - | - | - | - | - | - | - | - | - | - | - | - |
| Pipeline Developments | IN | OUT |  |  |  |  |  |  |  |  |  |  |  |  |
| Tapestry by Miller \& Smith | 12 | 34 | - | - | - | - | - | - | - | - | - | - | - | - |
| Cabin Branch | 38 | 52 | - | - | - | - | - | - | - | - | - | - | - | - |
| Linthicum West | 43 | 122 | - | - | - | - | - | - | - | - | - | - | - | - |
| Ten-Mile Creek | 39 | 119 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal | 132 | 327 | 1 | - | - | - | - | - | - | - | 22 | 57 | - | 3 |
| Background |  |  | 32 | 1,140 | - | - | - | - | - | 489 | 142 | 347 | - | 57 |
| Site Trips | 13 | 9 | 1 | - | - | - | - | - | - | - | 12 | 8 | - | 1 |
| Total Future |  |  | 33 | 1,140 | - | - | - | - | - | 489 | 154 | 355 | - | 58 |

1: Frederick Rd (MD 355)/W. Old Baltimore Rd

| Traffic Component |  |  | Southbound <br> Frederick Rd (MD 355) |  |  | Westbound Off-Site Driveway |  |  | Northbound <br> Frederick Rd (MD 355) |  |  | Eastbound W. Old Baltimore Rd |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Right | Through | Left | Right | Through | Left | Right | Through | Left | Right | Through | Left |
| Existing Volume Growth |  |  | 34 | 770 | - | - | - | - | - | 1,050 | 252 | 166 | - | 36 |
| Pipeline Developments | IN | OUT |  |  |  |  |  |  |  |  |  |  |  |  |
| Tapestry by Miller \& Smith | 39 | 23 | - | - | - | - | - | - | - | - | - | - | - | - |
| Cabin Branch | 89 | 71 | - | - | - | - | - | - | - | - | - | - | - | - |
| Linthicum West | 139 | 82 | - | - | - | - | - | - | - | - | - | - | - | - |
| Ten-Mile Creek | 129 | 77 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal | 396 | 253 | 4 | - | - | - | - | - | - | - | 67 | 42 | - | 2 |
| Background |  |  | 38 | 770 | - | - | - | - | - | 1,050 | 319 | 208 | - | 38 |
| Site Trips | 11 | 18 | 1 | - | - | - | - | - | - | - | 10 | 16 | - | 2 |
| Total Future |  |  | 39 | 770 | - | - | - | - | - | 1,050 | 329 | 224 | - | 40 |

2: Site Entrance (Future)/W. Old Baltimore Rd
Worldshine Ruby Drive AM Peak Hour

| Traffic Component |  |  | Southbound Site Entrance (Future) |  |  | Westbound <br> W. Old Baltimore Rd |  |  | Northbound N/A |  |  | Eastbound <br> W. Old Baltimore Rd |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Right | Through | Left | Right | Through | Left | Right | Through | Left | Right | Through | Left |
| Existing Volume Growth |  |  | - | - | - | - | 151 | - | - | - | - | - | 385 | - |
| Pipeline Developments | IN | OUT |  |  |  |  |  |  |  |  |  |  |  |  |
| Tapestry by Miller \& Smith | 12 | 34 | - | - | - | - | - | - | - | - | - | - | - | - |
| Cabin Branch | 38 | 52 | - | - | - | - | - | - | - | - | - | - | - | - |
| Linthicum West | 43 | 122 | - | - | - | - | - | - | - | - | - | - | - | - |
| Ten-Mile Creek | 39 | 119 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal | 132 | 327 |  |  |  |  | 11 |  |  |  |  |  | 26 |  |
| Background |  |  | - | - | - | - | 162 | - | - | - | - | - | 411 | - |
| Site Trips | 13 | 9 | - | - | 9 | 13 | - | - | - | - | - | - | - | - |
| Total Future |  |  | - | - | 9 | 13 | 162 | - | - | - | - | - | 411 | - |

2: Site Entrance (Future)/W. Old Baltimore Rd

| Traffic Component |  |  | Southbound Site Entrance (Future) |  |  | Westbound W. Old Baltimore Rd |  |  | Northbound N/A |  |  | Eastbound <br> W. Old Baltimore Rd |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Right |  | Left | Right |  | Left | Right |  | Left |
| Existing Volume Growth |  |  | - | - | - | - | 312 | - | - | - | - | - | 187 - | - |
| Pipeline Developments | IN | OUT |  |  |  |  |  |  |  |  |  |  |  |  |
| Tapestry by Miller \& Smith | 39 | 23 | - | - | - | - | - | - | - | - | - | - | - | - |
| Cabin Branch | 89 | 71 | - | - | - | - | - | - | - | - | - | - | - | - |
| Linthicum West | 139 | 82 | - | - | - | - | - | - | - | - | - | - | - | - |
| Ten-Mile Creek | 129 | 77 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal | 396 | 253 | - | - | - | - | 32 |  |  |  |  |  | 21 | - |
| Background |  |  | - | - | - | - | 344 | - | - | - | - | - | 208 | - |
| Site Trips | 11 | 18 | - | - | 18 | 11 | - | - | - | - | - | - | - | - |
| Total Future |  |  | - | - | 18 | 11 | 344 | - | - | - | - | - | 208 | - |

# Wells \& Associates,Inc 

## McLean, Virginia

Existing Traffic Count


# Wells \& Associates,Inc 

## McLean, Virginia

Existing Traffic Count


| Report Number | MCP2586004L | MCP11510097 | MCP003600BO | MCP2898002Y | MCP3126001X | MCP102200F8 | MCP263900D4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Local Case Number | 190002579 | 190009279 | 190027056 | 190054218 | 200007413 | 200036564 | 210043056 |
| Agency Name | Montgomery County Police | Montgomery County Police | Montgomery County Police | Montgomery County Police | Montgomery County Police | Montgomery County Police | Montgomery County Police |
| ACRS Report Type | Injury Crash | Property Damage Crash | Injury Crash | Property Damage Crash | Property Damage Crash | Injury Crash | Injury Crash |
| Crash Date/Time | 1/16/2019 19:18 | 2/27/2019 8:00 | 6/6/2019 13:44 | 11/10/2019 17:30 | 2/13/2020 19:30 | 9/18/2020 7:16 | 10/26/2021 8:55 |
| Hit/Run | No | No | No | No | No | No | No |
| Route Type | Maryland (State) | Maryland (State) | Maryland (State) | Maryland (State) | Maryland (State) | Maryland (State) | Maryland (State) |
| Mile Point | 20.57 | 20.57 | 20.57 | 20.57 | 20.57 | 20.57 | 20.57 |
| Mile Point Direction | North | North | North | North | North | North | North |
| Lane Direction | North | South | South | South | North | North | North |
| Lane Number | 1 | 0 | 0 | 1 | 1 | 1 | 0 |
| Lane Type |  | Shoulder area | OfF ROAD |  |  |  | Left turn lane |
| Number of Lanes | 1 | 2 | 2 | 2 | 1 | 2 | 3 |
| Direction | South | North | South | North | North | South | North |
| Distance | 500 | 0 | 0 | 40 | 0 | 20 | 0 |
| Distance Unit | feet | FEET | feet | FEET | FEET | FEET | feet |
| Road Grade | LEVEL | LEVEL | LEVEL | Level | Level | HILL UPHILL | LEVEL |
| NonTraffic | No | No | No | No | No | No | No |
| Road Name | FREDERICK RD | FREDERICK RD | FREDERICK RD | FREDERICK RD | FREDERICK RD | FREDERICK RD | FREDERICK RD |
| Cross-Street Name Off-Road Description | WEST OLD BALTIMORE RD | WEST OLD BALTIMORE RD | WEST OLD BALTIMORE RD | WEST OLD BALTIMORE RD | WEST OLD BALTIMORE RD | WEST OLD BALTIMORE RD | WEST OLD BALTIMORE RD |
| Municipality | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Related Non-Motorist |  |  |  |  |  |  |  |
| At Fault | DRIVER | DRIVER | DRIVER | DRIVER | DRIVER | DRIVER | DRIVER |
| Weather | CLEAR | CLEAR | CLEAR | CLEAR | N/A | CLEAR | CLOUDY |
| Surface Condition | DRY | DRY | DRY | DRY | DRY | WET | DRY |
| Light | DARK LIGHTS ON | DAYLIGHT | DAYLIGHT | DARK LIGHTS ON | DARK LIGHTS ON | DAYLIGHT | DAYLIGHT |
| Traffic Control | TRAFFIC SIGNAL | TRAFFIC SIGNAL | NO CONTROLS | TRAFFIC SIGNAL | TRAFFIC SIGNAL | TRAFFIC SIGNAL | TRAFFIC SIGNAL |
| Driver Substance Abuse | NONE DETECTED | NONE DETECTED | NONE DETECTED | ALCOHOL PRESENT, N/A | NONE DETECTED | NONE DETECTED | NONE DETECTED |
| Non-Motorist Substance Abuse |  |  |  |  |  |  |  |
| First Harmful Event | OTHER VEHICLE | FIXED OBJECT | FIXED OBJECT | Other Vehicle | FIXED OBJECT | Other vehicle | Other vehicle |
| Second Harmful Event | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Fixed Oject Struck | N/A | DITCH | CONSTRUCTION BARRIER | N/A | GUARDRAIL OR BARRIER | N/A | N/A |
| Junction | NON INTERSECTION | INTERSECTION | INTERSECTION RELATED | NON INTERSECTION | INTERSECTION | INTERSECTION RELATED | INTERSECTION |
| Intersection Type | N/A | Y-INTERSECTION | T-Intersection | N/A | T-Intersection | Y-INTERSECTION | T-Intersection |
| Intersection Area | N/A |  | N/A | N/A | N/A | N/A |  |
| Road Alignment | STRAIGHT | STRAIGHT | STRAIGHT | STRAIGHT | STRAIGHT | StRAIGHT | StRAIGHT |
| Road Condition | NO DEFECTS | NO DEFECTS | NO DEFECTS | NO DEFECTS | HOLES RUTS ETC | NO DEFECTS | NO DEFECTS |
| Road Division | TWO-WAY, NOT DIVIDED | TWO-WAY, NOT DIVIDED | TWO-WAY, NOT DIVIDED | TWO-WAY, NOT DIVIDED | TWO-WAY, DIVIDED, UNPROTECTED | TWO-WAY, NOT DIVIDED | TWO-WAY, NOT DIVIDED |
| Latitude | 39.21521603 | 39.215527 | 39.215515 | 39.21524167 | 39.21546364 | 39.21555333 | 39.21575833 |
| Longitude | -77.25160234 | -77.25282233 | -77.25256667 | -77.25177167 | -77.25228169 | -77.25214333 | -77.252615 |
| Location | (39.21521603, -77.25160234) | (39.215527, -77.25282233) | (39.215515, -77.25256667) | (39.21524167, -77.25177167) | (39.21546364, -77.25228169) | (39.21555333, -77.25214333) | (39.21575833, -77.252615) |

## ATTACHMENT "B"



| e. |  |  |  |
| :---: | :---: | :---: | :---: |
|  | Frederick Road Bike Path (SP-72) Montgomery County DOT Montgomery County, Maryland | $\begin{array}{\|c\|} \hline \text { PROFESSIONAL SERVICES } \\ 2011-2014 \end{array}$ | CONSTRUCTION (If applicable) |
|  | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE $\square \nabla$ Check if project performed with current firm <br> The project proposed a 2.5 -mile long bike path along Frederick Road (MD-355) in the cities of Clarksburg and Germantown, MD Task Manager responsible for Hydrologic and Hydraulics Engineering Services and Stormwater Management using MDE 2010 Environmental Site Design criteria. |  |  |
| f. | (1) TITLLE AND LOCATION (City ar | (2) YEAR COMPLEEIED |  |
|  | SWM Facility Retrofit Projects, MC DEP Montgomery County, Maryland | PROFESSIONAL SERVICES 2013-2014 | CONSTRUCTION (If applicable) |
|  | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE $\quad \square \square$ Check if project performed with current firm Task Manager responsible for performing site assessments, inspection of existing stormwater management facilities, alternative studies, drainage comps, hydrologic and hydraulic analysis, dam breach analysis, plan specification and estimates for seven BMP retrofit design for this Montgomery County contract. | $\square$ Check if project performed with current firm of existing stormwater management facilities, , dam breach analysis, plan specification and tract. |  |
| g. | (1) TITLE AND LOCATION (City and State) | (2) YEAR COMPLEETED |  |
|  | Montgomery County Green Street Design Project Montgomery County, Maryland | PROFESSIONAL SERVICES 2015 | CONSTRUCTION (If applicable) |
|  | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE $\quad$ प $\begin{aligned} & \text { Check if project performed with current firm }\end{aligned}$ Task Manager responsible for providing permit plan submission and final plan submission included in the design for 58 ESD Facilities for this project. |  |  |
|  | (1) TITLE AND LOCATION (City and Staie) | (2) YEAR COMPLEIED |  |
|  | Montgomery County DOT Engineering Services Montgomery County, Maryland | PROFESSIONAL SERVICES 2009-2012 | CONSTRUCTION (If applicable) |
| h. | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE $\quad$ पV Check if project performed with current firm <br> Manager responsible for preparing Hydrologic \& Hydraulic analysis and Scour studies for the following projects. <br> - Dry Seneca Creek for the rehabilitation of culvert at Jerusalem Road and Tributary to Reddy Branch for the rehabilitation of culvert at Brookeville Road, both in Montgomery County, MD. <br> - The replacement of two bridges M-0187B and M-0189B along Whites Ferry Road, Montgomery County, MD. <br> - The replacement of the existing private owned bridge over Broad Run Tributary at 20715 Whites Ferry Road. |  |  |
| i. | (1) TITLE AND LOCATION (City and State) | (2) YEAR COMPLETED |  |
|  | Annapolis Road / Waterview Avenue Project City of Baltimore, Maryland | $\begin{gathered} \text { PROFESSIONAL SERVICES } \\ 2008-2016 \end{gathered}$ | CONSTRUCTION (If applicable) |
|  | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <br> $\square$ V Check if project performed with current firm <br> Task manager responsible for drainage design, development of stormwater management facilities, phased erosion \& sediment control plans to match the phased construction program, and obtained the necessary approvals for this project. Also responsible for the designed relocation of waterlines for the project. |  |  |
| j. | (1) TITLE AND LOCATION (City and State) | (2) YEAR COMPLETED |  |
|  | Deer Manor Subdivision on Riffle Ford Road Montgomery County, Maryland | $\begin{gathered} \text { PROFESSIONAL SERVICES } \\ 2015-2019 \end{gathered}$ | CONSTRUCTION (If applicable) |
|  | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE $\quad$-V Check if project performed with current firm <br> Project manager and lead designer for project plans including civil site, demolition, utility, roadway, grading/drainage, E\&SC, and SWM. Also responsible for subdivision, permitting applications (MNCPPC, MCDPS, MCDOT, WSSC) and post design construction services. |  |  |
| k. | (1) TITLE AND LOCATION (City and State) | (2) YEAR COMPLEETED |  |
|  | Rockville Evangelical Mission (REM) Church Montgomery County, Maryland | $\begin{gathered} \hline \text { PROFESSIONAL SERVICES } \\ \text { 2012-2016 } \end{gathered}$ | CONSTRUCTION (If applicable) |
|  | (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <br> Project manager and lead designer for PS\&E including sitecivil, dem design. Also responsible for permitting applications (MNCPPC, MCDP services. | प $\bar{\square}$ Check if project perfor olition, grading/drain MCDOT, WSSC) and | with current firm <br> E\&SC, SWM, parking post design construction |
|  | (1) TITLE AND LOCATION (City and State) | (2) YEA | OMPLETED |
| I. | Bridge Scour Analysis and retrofit measures for CONSPAN bridges in MD and VA using HEC-18, HEC-23, MDSHA ABSCOUR programs and VDOT Drainage Manual | PROFESSIONAL SERVICES 2009-2013 | CONSTRUCTION (If applicable) |

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE
$\square \square$ Check if project performed with current firm

Task Manager responsible for eight different tasks.

- Monocacy Boulevard Bridge over Carroll Creek, City of Frederick, MD.
- CONSPAN Bridge in Turf Valley II, Howard County, MD.
- Crossroads at Leesburg, Loudon County, VA
- Tuscarora High School (HS-5) BEAM/SPAN Bridge, Loudoun County, VA.
- Tuscarora High School (HS-5) CON/SPAN Bridge, Loudoun County, VA.
- Hi-Rock Ridge Road CON/SPAN Bridge Jamison Farm, Section 3, off Lee Highway (Route 29), Fauquier County, VA.
- Arcola I CON/SPAN Bridge Section 1B \& 2- The Grange at Willowsford, Loudon County, VA.
- HA-2, Mine Road, BEBO Bridge Crossing Stafford, Prince William County, VA.



## Joshua Sloan, RLA, ASLA, AICP

Vice President / Director of Planning and Landscape Architecture
Josh Sloan is a respected, seasoned professional with over 25 years of experience in project design and oversight. He began his career in the design/build arena of the private sector on landscape crews, as a designer, and business owner. This experience provided him with a strong background in the construction and permitting processes, project management, and business practices. He then spent seven years with the Montgomery Planning Department of the Maryland-National Capital Park and Planning Commission (M-NCPPC), rising to the level Planning Supervisor. During his tenure at the Commission, he participated directly in development review, master planning, zoning, and community relations. Josh has presented at the USGBC Greenbuild Conference, the National APA Conference, and the ASLA Conference on Landscape Architecture, as well as serving on various committees for APA, ASLA, and local jurisdictions. He has been qualified as an expert witness in Planning and Landscape Architecture in Montgomery County, MD and provided expert testimony to the State of Maryland.

## Areas of Professional Expertise:

- Master Planning
- Landscape Architecture
- Urban Design
- Entitlement Plans
- Zoning \& Regulatory Review
- Land Use Planning
- Environmental Planning
- Concept \& Feasibility Studies
- Construction Documents \& Administration


## Professional Experience:

■ Tower Oaks, Rockville, MD

- Montgomery Row, Bethesda, MD
- Pike and Rose, North Bethesda, MD
- Park Potomac, Potomac, MD
- Brandywine Senior Living At Potomac, Potomac, MD
- The Neighborhoods of Crown, Gaithersburg, MD
- Greater Cheverly Sector Plan, Cheverly, MD
- 4910/4920 Strathmore Avenue, North Bethesda, MD
- Preston Place and Lake Apartments, Chevy Chase, MD
- Swann Road, Prince George's County, MD
- Fort-Washington Multifamily, Prince George's County, MD


## Professional Degrees and Registrations:

- Master of Landscape Architecture, Graduate Studies in Philosophy, State University of New York College of Environmental Science and Forestry \& Syracuse University
- Bachelor of Arts in Biology, St. Mary's College of Maryland

■ Maryland: Registered Landscape Architect, 2014
■ Virginia: Registered Landscape Architect, 2000

- Co-Chair, Sustainable Design \& Development PPN, ASLA, 2020-2022
- Treasurer, National Capital Area Chapter of the American Planning Association, 2015-2018
- American Institute of Certified Planners, 2015


## EDUCATION:

- Ph.D. in Environmental Design \& Planning, 2003

Virginia Tech, Blacksburg, VA

- M. ARCH. , 1999

Virginia Tech, Blacksburg, VA

- B. S. in Architecture, 1990

Tongji University, Shanghai, China

## CERTIFICATION:

- Registered architect in DC, MD, VA, and FL
- USGBC LEEP AP


## EXPERIENCES:

Adjunct Professor, August 2021 - current
University of Maryland, College Park, MD

- Teach two courses: Material and Methods; and Environmental Systems in Architecture
- Committee member for Learning Outcomes Assessment Review
- Committee member for UMD Honor College Scholarship

Principal/President, October 2015 - current
Prime Planning Intl. PLLC, McLean, VA

- Overseeing plan, design and construction residential and commercial projects, including residential development, multi-family condo, senior living community, and interior renovations for private universities.
- NOVA Adult Daycare | Sterling, VA

Project Manager for a 7,800 sf interior renovation/conversion project. Facility includes one main multifunction room; 4 activity rooms, and other supporting spaces.


- Ruby Senior Homes | Boyds, MD

Project Manager/architect for a new 120-unit assisted living community, including a formal dining room, salon, library, and wellness suite.

- Other commercial projects in Maryland:
- Rockville Pike, Rockville, MD - Retail
- Jefferson St, Rockville, MD - Church/Temple
- Hungerford Dr, Rockville, MD - Fruit tea
- Dulaney Valley Dr, Towson, MD - Bubble tea
- Annapolis Mall, Annapolis, MD - Bubble tea
- Democracy Blvd, Bethesda, MD - Bubble tea
- Wisconsin Ave, Bethesda, MD - Massage shop
- Deereco Rd, Timonium, MD - Office
- Little Patuxent Pkwy, Columbia, MD - Bubble tea
- New Hampshire Ave, Silver Spring, MD - Daycare center
- PATASCO Ave, Baltimore, MD - Retail
- $61^{\text {St }}$ Ave, Fairmount Heights, MD - Community Center

Project Manager, September 2011- July 2019
Arlington Public Schools, Arlington, VA

- Managing new construction project from \$15,000,000 to \$110,000,000.
- Oversee sustainability practices including two net-zero elementary schools.

Project Manager, February 2006 - August 2011
Perkins Eastman, Washington, DC


- Clayton on the Park | Clayton, MO

Project Architect/Manager for programming and repositioning the public spaces for a 23 -story rental independent living community from an extended stay hotel. The adaptation of the three lower floors includes a media center, formal dining venue, salon, library, and wellness suite.

- Sunrise Sterling at Woodlands | Woodlands, TX

Project Architect for a 10 -story aging-in-place community including 133 resident units, dining and recreation facilities, health care component, and a parking garage. The project was published at AIA Design for Aging 2007.


- Hebrew Senior Life | Dedham, MA

Project architect responsible for design of the assisted living facility within 162 -acre inter-generational Hebrew Senior Life campus. The expansive $1,000,000 \mathrm{GSF}$ complex provides a broad range of housing choices for senior citizens. The project included New England's largest closed-loop geothermal heating and cooling system. LEED® Certified equivalent.

- Nations Academy | Bethesda, MD

Project architect responsible for design of a $\$ 87$ million facility for this network of schools that will have more than 60 campuses in the world's leading cities. The 270,000 SF Bethesda building will include state-of-theart K-12 academic spaces, fully equipped athletic facilities, performing arts center, early childhood center, dormitory, and other support spaces.

Project Architect, August 2004 - February 2006
Einhorn Yaffee Prescott Architecture \& Engineering P.C., Washington, DC
Intern Architect, October 2003-August 2004
Kishimoto.Gordon.Dalaya PC, Rosslyn, VA
Student Team Leader, April 2001 - October 2002
Virginia Tech Solar Decathlon Team, Virginia Tech, Blacksburg, VA
Intern Architect, July 1990- August 1997
The 9th Design \& Research Institute, Shanghai, PRC

## AWARDS:

- Project selected for publication: Sunrise Sterling at Woodlands, AIA Design for Aging 2007, Washington, DC 2007
- First Prize in the Presentation and Simulation Contest of the Solar Decathlon, the Department of Energy, Washington, DC 2002
- Travel Fund, Virginia Tech, Blacksburg, VA 2002
- Graduate Research Development Project Fund, Virginia Tech, Blacksburg, VA 2001
- First Prize in the virtual reality category of 16th Annual Research Symposium, Virginia Tech, Blacksburg, VA 2000


## ACTIVITIES:

- Instructor for Halfmoon Education Inc, October 27. 2023: Maryland Adoption of 2021 International Building Code
- Judge for ABC Construction Awards (Virginia Chapter) 2010-2023
- Guest speaker at AIA Asian American Designers Union, AIA DC chapter, December 10, 2018
- CO-founder of Greater Washington Asian-American Architects and Engineers Association (GWAAEA)
- Currently 100+ members.
- Organize quarterly meetings for members since 2008.
- Promote building information management in design and construction.
- Presented at Arch Exchange East, Richmond, VA, 2010: Building Information Management for Master Planning and Facility Management.
- Presented at Project Management Symposium at University of Maryland, College Park, MD, 2010: Building Information Management: a Tool towards Sustainability
- Presented at Virginia Community College System, Richmond, VA, 2009: Building Information Management for Space Inventory and Utilization Study


## SUMMARY OF SKILLS:

- Oversee small to large scale construction projects from feasibility study, design, construction to post occupancy.
- Organize community meetings related to facility planning, design and construction.
- Supervise junior project manager and interns.
- Oversee RFP and interviews for design and construction services.
- Fluent in Autocad, Revit, Photoshop, MS Project, Powerpoint, Word, Excel.


## ANNE (NANCY) M. RANDALL, AICP Consultant

PROFILE: Ms. Randall has over 40 years of experience in the traffic and transportation planning fields for both private and public-sector clients. This experience includes conducting and overseeing the preparation of traffic impact studies, corridor studies, signal warrant analyses, Traffic Demand Management programs, site circulation reviews, parking policy and needs studies, and feasibility analyses.

EXPERIENCE: Traffic Impact Studies. Conducted numerous traffic impact studies for residential, retail, commercial, industrial, institutional, and mixed-use properties in Maryland, Virginia, and Washington D.C. This includes analysis of data, preparation of reports, and expert testimony in support of rezoning, special exception/use permits, and site plan/subdivision plat approvals.

Large Scale Mixed-Use \& Multi-Modal Developments. Conducted multi-modal transportation studies for a number of large residential, office, and retail projects, including: North Bethesda Town Center (White Flint Metro Station), White Flint Mall, and Mid-Pike Plaza in White Flint, Maryland; Twinbrook Commons and Twinbrook Station at the Twinbrook Metro Station in Rockville, Maryland; Geico Headquarters in Friendship Heights, Maryland; Bethesda Theater in Bethesda, Maryland; Riverdale Park Station-Cafritz, Riverdale Park Maryland; West Hyattsville Metro Station, Largo Town Center at the Largo Metro Station, Town Center at Camp Springs at the Branch Avenue Metro Station, and Fairwood in Prince George's County, Maryland; and Russett Center, Parole Town Center and Anne Arundel Medical Center in Anne Arundel County, Maryland.

## Transportation Master Plans and Corridor Studies.

 Preparation of Transportation Master Plans for the City of Annapolis and Anne Arundel County Maryland. Preparation of the transportation elements for several Sector Plan and Sectional Map Amendment Plans for several sub-region zones within Prince George's County Maryland, including: Sub-Region I Route I Corridor Master Plan, Bladensburg Master Plan, Branch Avenue Master Plan and Port Towns Master Plan. Provided the analysisand recommendations for the Transportation Master Plan for Fort Meade, Maryland. Conducted corridor studies in the city of Annapolis, Prince George's County, Historic District of the City of Fairfax, Virginia and MD Route 32/NSA for the MD State Highway Administration.

Feasibility Analysis. Prepared site assessments for projects in Montgomery, Anne Arundel, Prince George's, Howard, Charles, Calvert, Kent, St. Mary's, Allegany, Frederick, Carroll, Talbot and Baltimore Counties, Maryland and the City of Alexandria and Fairfax County, Virginia.

Parking Studies. Conducted parking policy, size requirements, needs, feasibility, and shared-use studies for private developers and for public agencies, including the City of Annapolis, Anne Arundel County, Anne Arundel Medical Center, Centex, CentreMark Properties, Lerner Enterprises, LCOR, Federal Realty Investment Trust and Archstone Smith.

Expert Witness Testimony. Qualified as an expert witness in Federal District Court, and Circuit Court in Anne Arundel County in Maryland; Qualified in Maryland before District Council, MNCPPC Planning Board and Zoning Hearing Officer in both Montgomery County and Prince Georges County; Planning Board and City Council in City of Rockville: Hearing Officer/Zoning Hearing Commissioner in Baltimore County; Zoning Hearing Officer and Board of Appeals in Anne Arundel County: Planning Board, Board of Appeals and City Council in City of Annapolis; Board of Appeals in Charles County; Anne Arundel County Board of Appeals, County Commissioner and Planning Commission in St. Mary's and Calvert Counties; City Council in the City of Greenbelt; Planning Board in the City of Laurel; Planning Advisory Board, and the City Council of Bowie; and the Planning Commission in Carroll County.

Special Event Transportation Planning. Designed and coordinated traffic operations for special events in the City of Annapolis, Maryland, including U.S. Boat Shows, 1984 Summer Olympic Trials and NATO conferences.

EDUCATION: Bachelor of Arts, Behavioral and Social Sciences, University of Maryland, College Park, 1975.

AFFILIATIONS: Member of the Institute of Transportation Engineers American Planning Association Member of the American Institute of Certified Planners (AICP)
wells + Associates

## EMPLOYMENT HISTORY:

| 1995 - Present | Wells + Associates, Inc. <br> McLean, Virginia <br> Principal <br> Branch Manager of Wells \& Associates, Inc. Silver Spring Office, responsible for business development, management of professional, technical, and clerical staff, project management for transportation planning studies, including technical analysis, report preparation, public presentation, and expert testimony. |
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| 1989-1995 | The Traffic Group, Inc. <br> Towson, Maryland <br> Senior Associate <br> Responsible for the transportation planning studies, project management, technical analysis, management of technical staff, business development, documentation, and expert testimony. |
| 1986-1989 | Greenhorn \& O'Mara, Inc. <br> Greenbelt, Maryland <br> Responsibilities included transportation planning studies, technical analysis, documentation, business development, administration, and management of technical staff, and expert testimony. |
| 1981-1986 | City of Annapolis <br> Department of Public Works <br> Annapolis, Maryland <br> Engineering Analyst <br> Provided transportation planning and traffic engineering services for the City of Annapolis, including; review of subdivision, zoning, and development plans for compliance with the City Code, review of traffic impact studies, special event planning, technical review of transportation plans, city wide traffic control design and implementation. |
| 1979-1980 | Development Facilitators, Inc. <br> Severna Park, Maryland <br> Engineering Analyst <br> Responsible for business development, management of technical staff, technical analysis, and preparation of traffic engineering reports and plans. |
| 1976-1979 | Anne Arundel County Department of Public Works Traffic Engineering Division |

## Traffic Analyst

Responsible for review of subdivision zoning and development plans for compliance with County Code requirements, parking lot layout, street design and street lighting. Review of impact studies submitted for subdivision and rezoning applications. Prepared and drafted portions of the 1978 transportation text of the Adequate Public Facilities Ordinance for Anne Arundel County, Maryland.


[^0]:    Intersection Summary

[^1]:    Intersection Summary

