

Connecting with the Ardens



What is the Plan?

The plan will make efforts to integrate with other community plans and initiatives, such as the villages' foundational plans, Arden's Water Quality Master Plan, the Ardentown Paths Plan, and the Wilmington Montessori Safe Routes to School Plan.

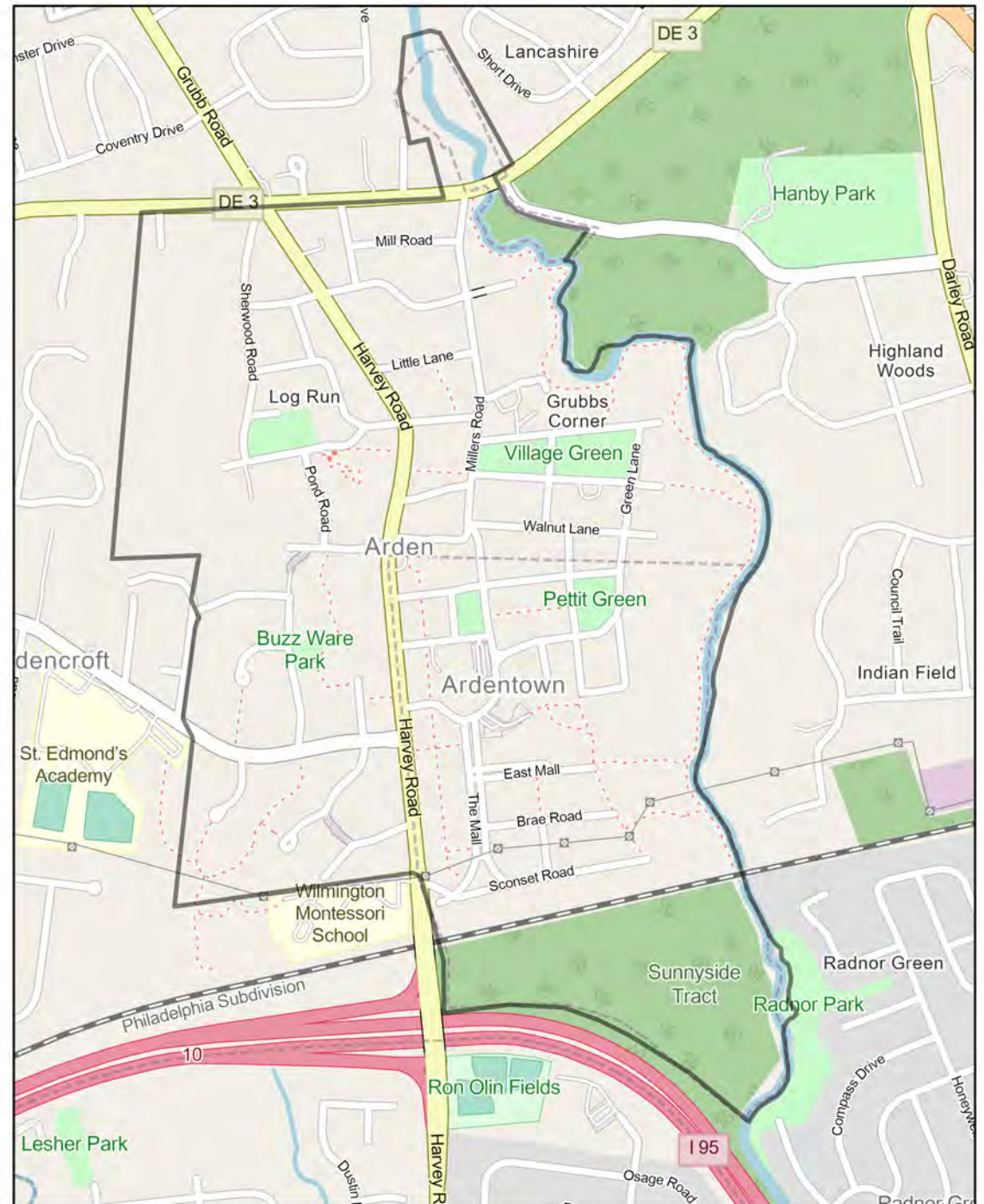
We also will take into account work WILMAPCO was involved with in the Ardens more than two decades ago. Points of consensus regarding traffic calming reached between civic leaders and stakeholders, including the Claymont Fire Department, include:

- No vertical (on road) features
- Use horizontal features instead
- Features will comply with DelDOT standards
- Use low-level landscaping
- Features will be traversable by emergency vehicles and buses

Project Goals

1. Manage vehicular speeds and deploy safety countermeasures
2. Develop a Bicycle/Pedestrian Network that traverses the Ardens
3. Provide Enhanced Pedestrian Crossings
4. Enhance Transit / School bus stops

For more information visit: <http://www.wilmapco.org/ardens/>



The Ardens Today

Harvey Rd

Between Meadow Ln and The Sweep

7,000 - 8,000 Vehicles per Day



Marsh Rd

Between Wind Ln and Woodcraft Ln

9,500 - 10,600 Vehicles per Day



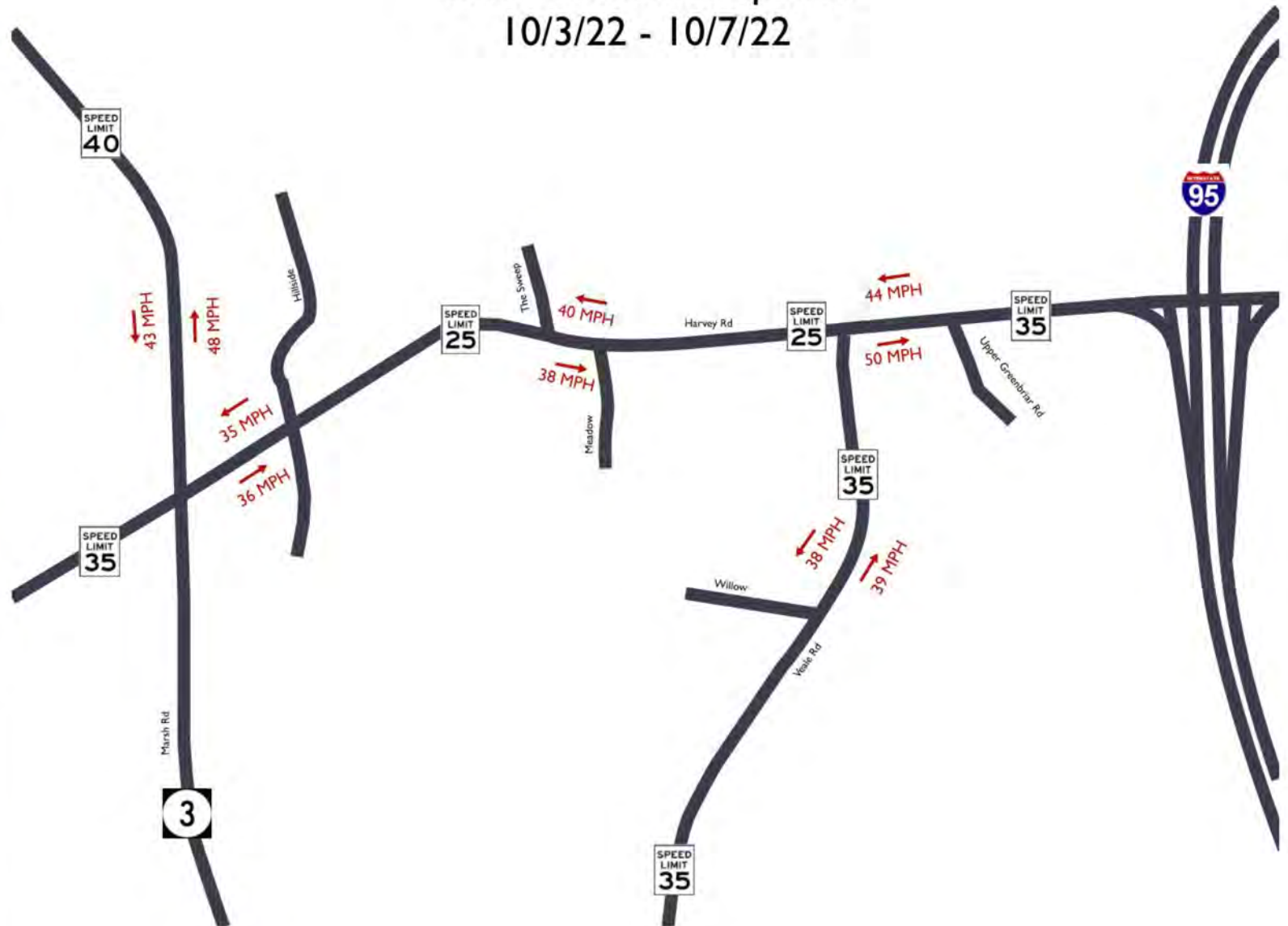
Veale Rd

Between Evergreen Ln and Willow Way

3,000 - 3,500 Vehicles per Day



85th - Percentile Speeds 10/3/22 - 10/7/22



Public Input

This alternatives plan is based on public input received from a combination of public meetings and community survey input.

Public Meetings

Walkable Community Workshop

On August 8, 2022, WILMAPCO held a walkable community workshop to hear from residents about walkability and safety concerns. There were a total of 37 attendees. Part 1 consisted of a presentation on elements of a walkable community. In Part 2, participants surveyed the area and identified issues and opportunities. Part 3 involved participants mapping and sharing ideas on how to improve walkability. Participants identified traffic speeds on Harvey Road and Veale Road, the transition from I-95 along Harvey Road into Ardens Villages, lack of lighting at night, lack of safe pedestrian crossings, lack of pedestrian push buttons at crossings, flooding and drainage issues on paths as well as access to bus stops as primary concerns.

October 25, 2022 Public Meeting

On October 25, 2022, WILMAPCO held a public meeting to gather feedback from participants about areas of concern within the Ardens Villages. Comment boards were placed throughout the room giving participants the option of providing their feedback in writing. Comment boards were on topics such as concerns along Harvey Road, concerns along Veale Road, concerns along Marsh Road, general concerns throughout the Ardens Villages and Wikimap Results. The meeting helped set the "vision" of the project.

Community Survey

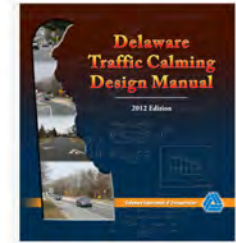
The survey was launched on 8/19/2022 and was closed on 10/3/2022. There were a total of 145 responses. 38% were residents of village of Arden. 21% were residents of Ardentown. 26% were residents of Ardencroft. 3% were residents in between the Ardens villages. 12% were residents outside the Ardens. Only 21% of respondents feel that the transportation system in the Ardens meet their travel needs "Very Well". 67% of respondents are "Very Concerned" or "Extremely Concerned" about speeding on Harvey Road. Respondents were concerned about speeding on Marsh and Veale Roads as well but to a lesser degree as Harvey Road.



What is Traffic Calming?

“Traffic calming involves changes in street alignment, installation of barriers, and other physical measures to reduce traffic speeds and/or cut-through volumes, in the interest of street safety, livability, and other public purposes.”

-Institute of Transportation Engineers (ITE), Traffic Calming State-of-the Practice



Rectangular Rapid Flashing Beacon



Gateway



Bumpout



Bioswale



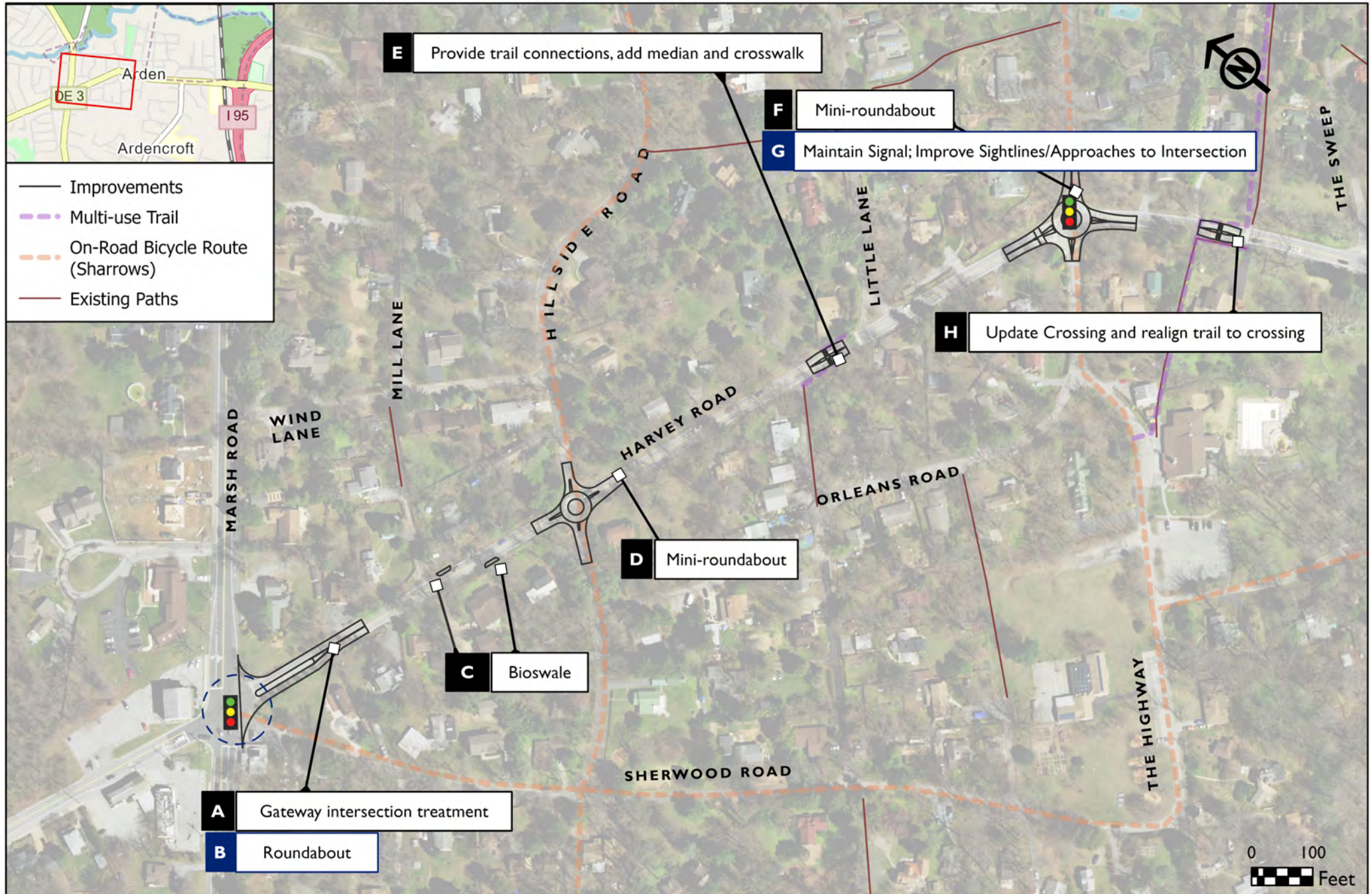
Chicane



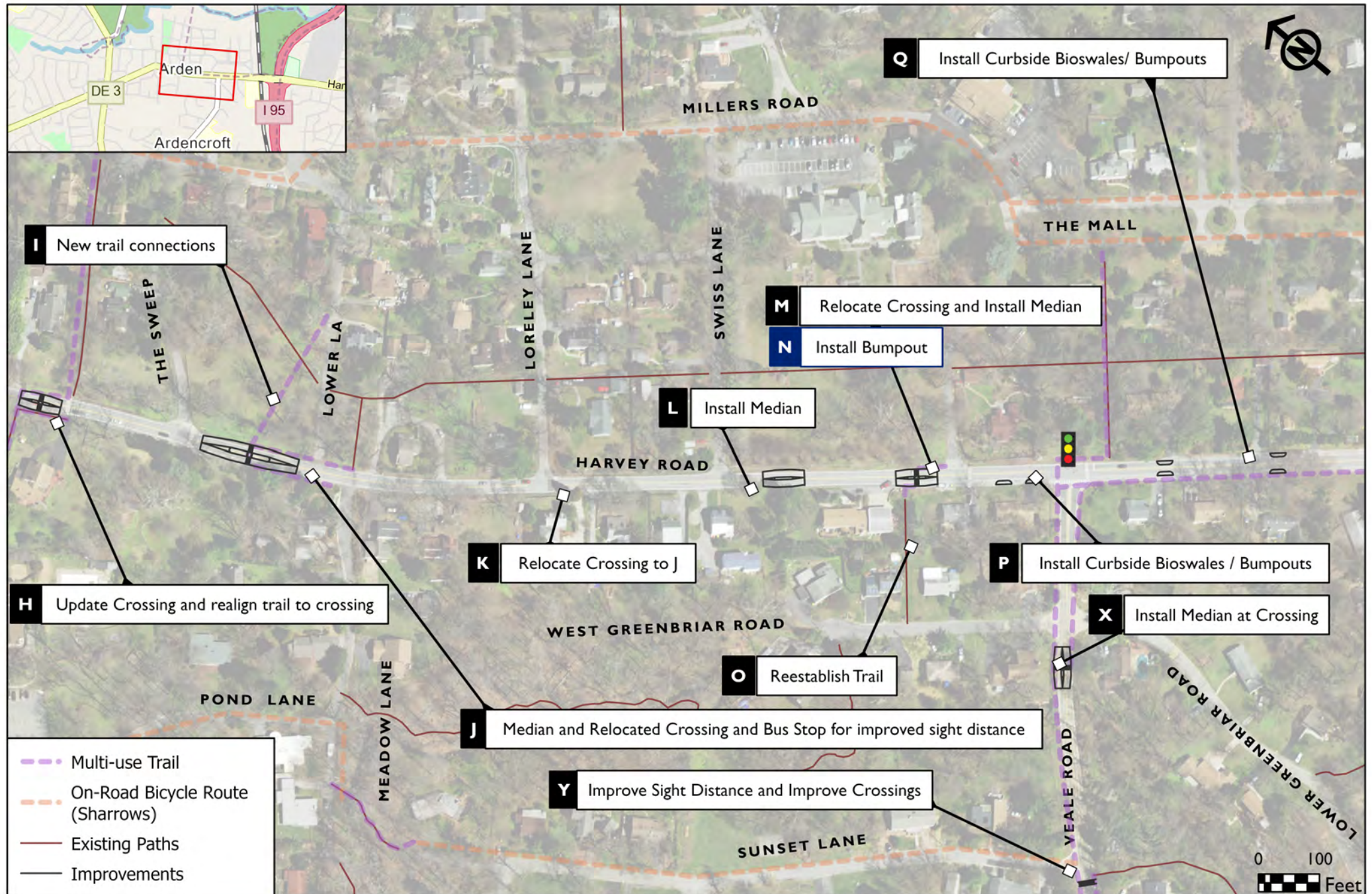
Mini-Roundabout



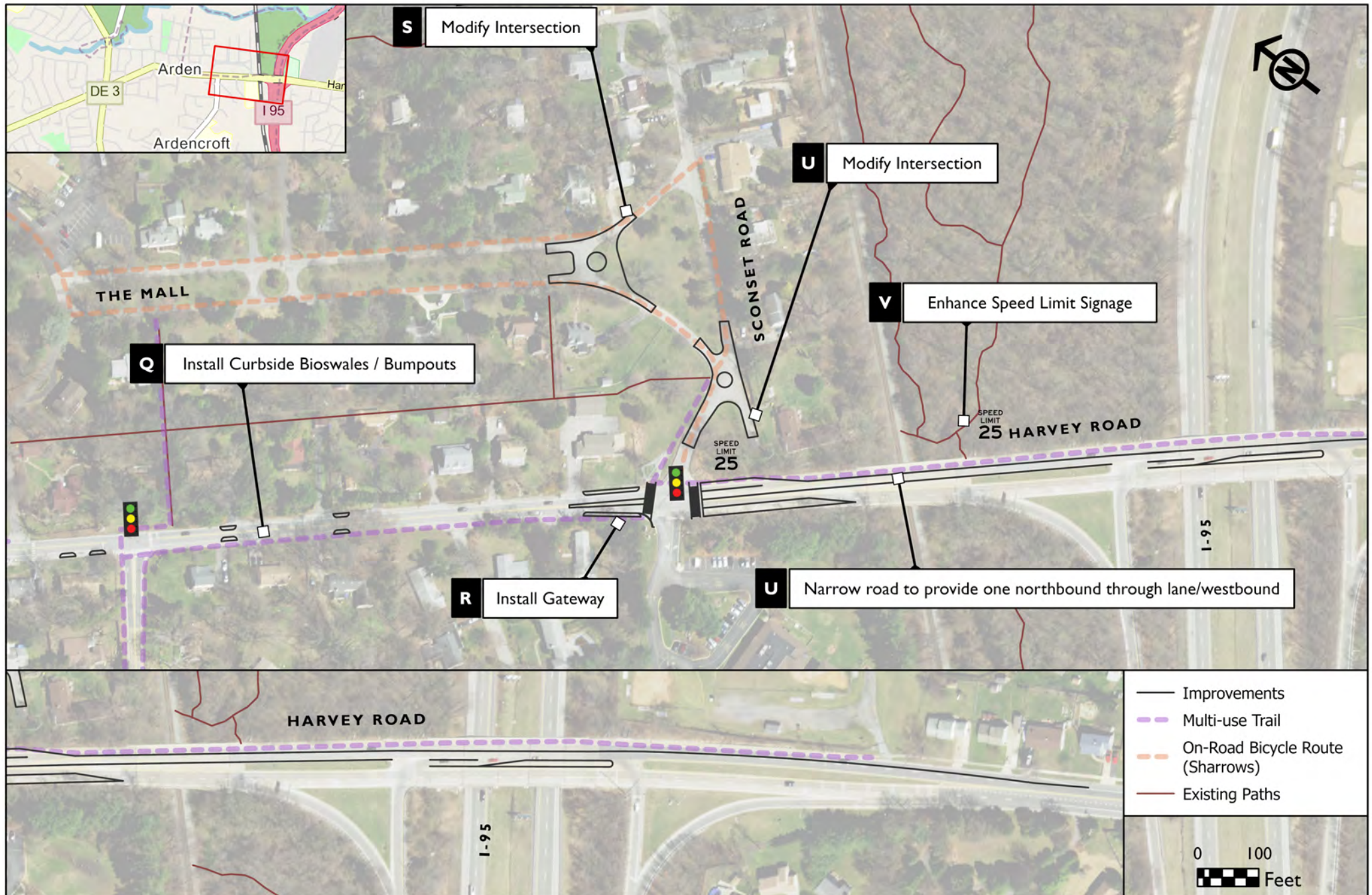
Goal I: Manage vehicular speeds and deploy safety countermeasures



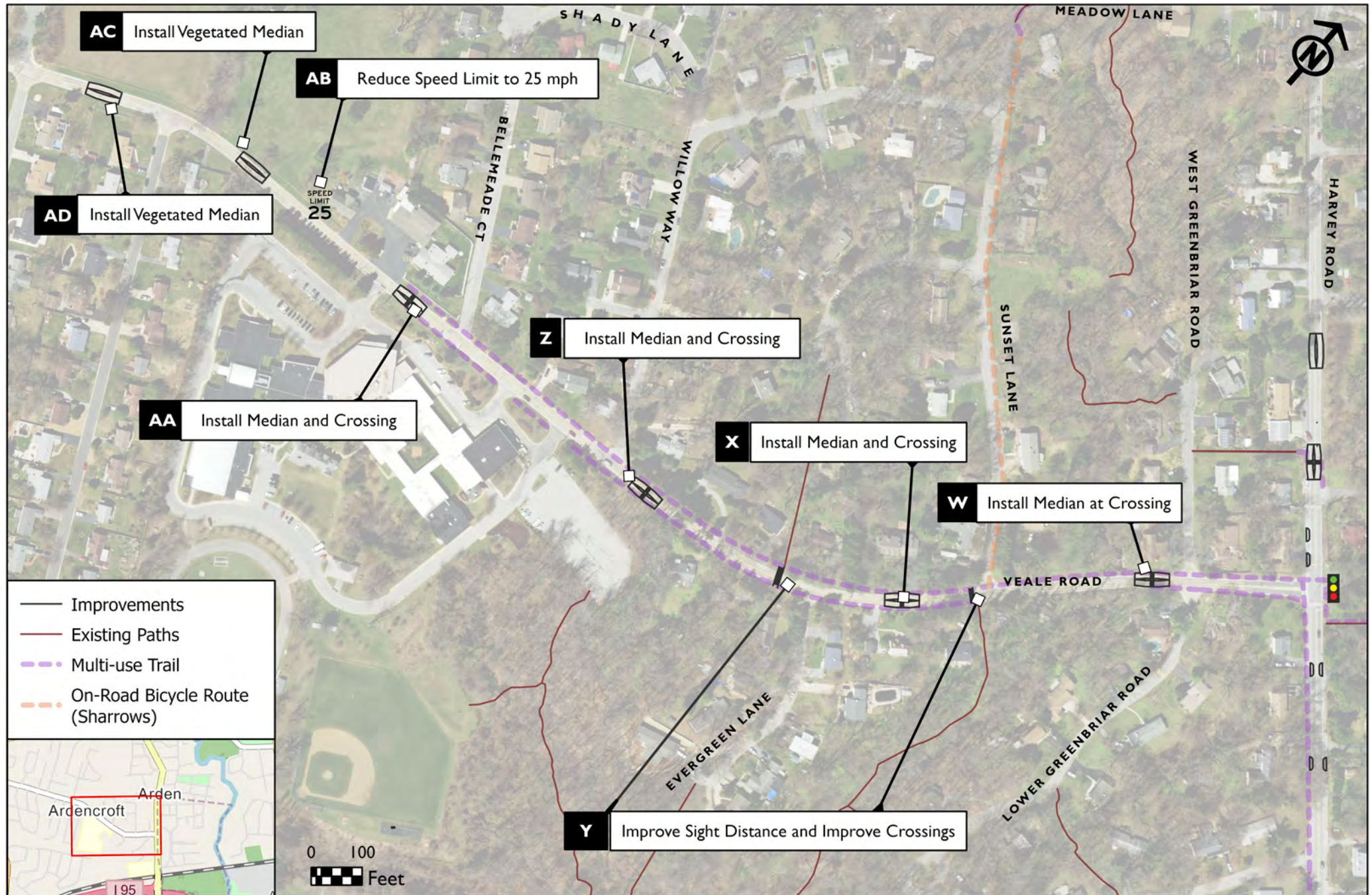
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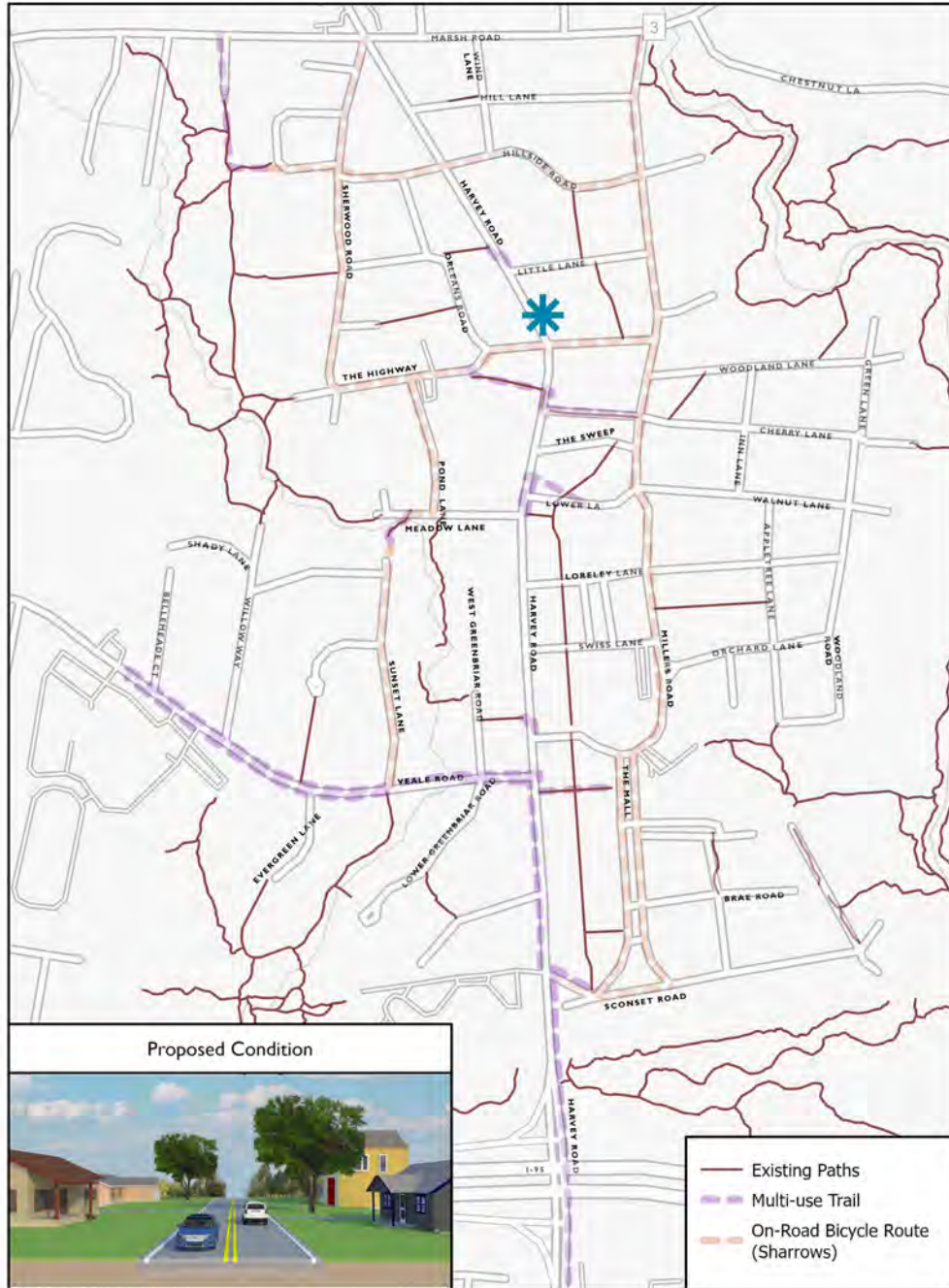


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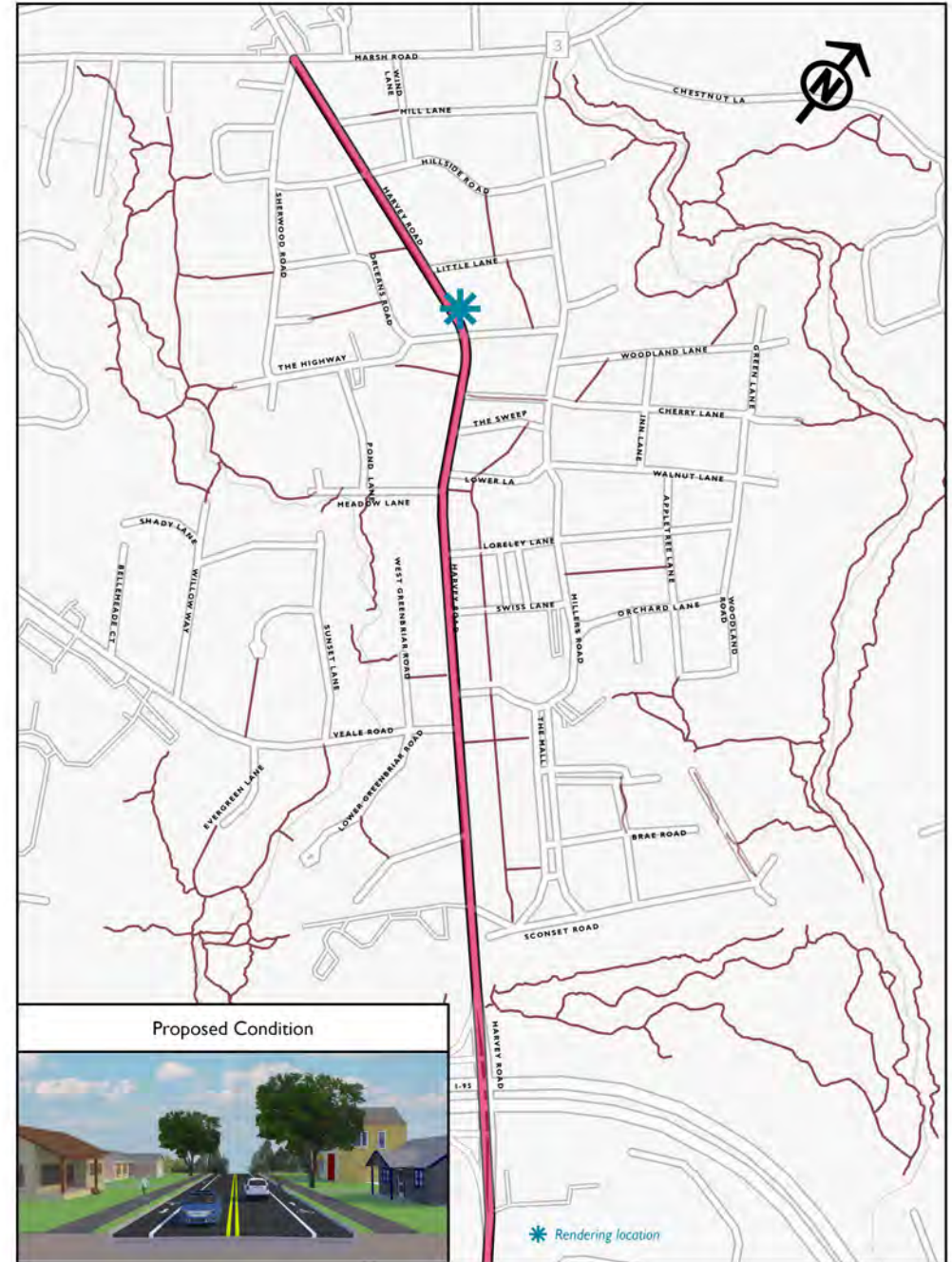


Goal 2: Develop a Bicycle/Pedestrian Network that traverses the Ardens

Alternative 2-A: Develop parallel low-stress network

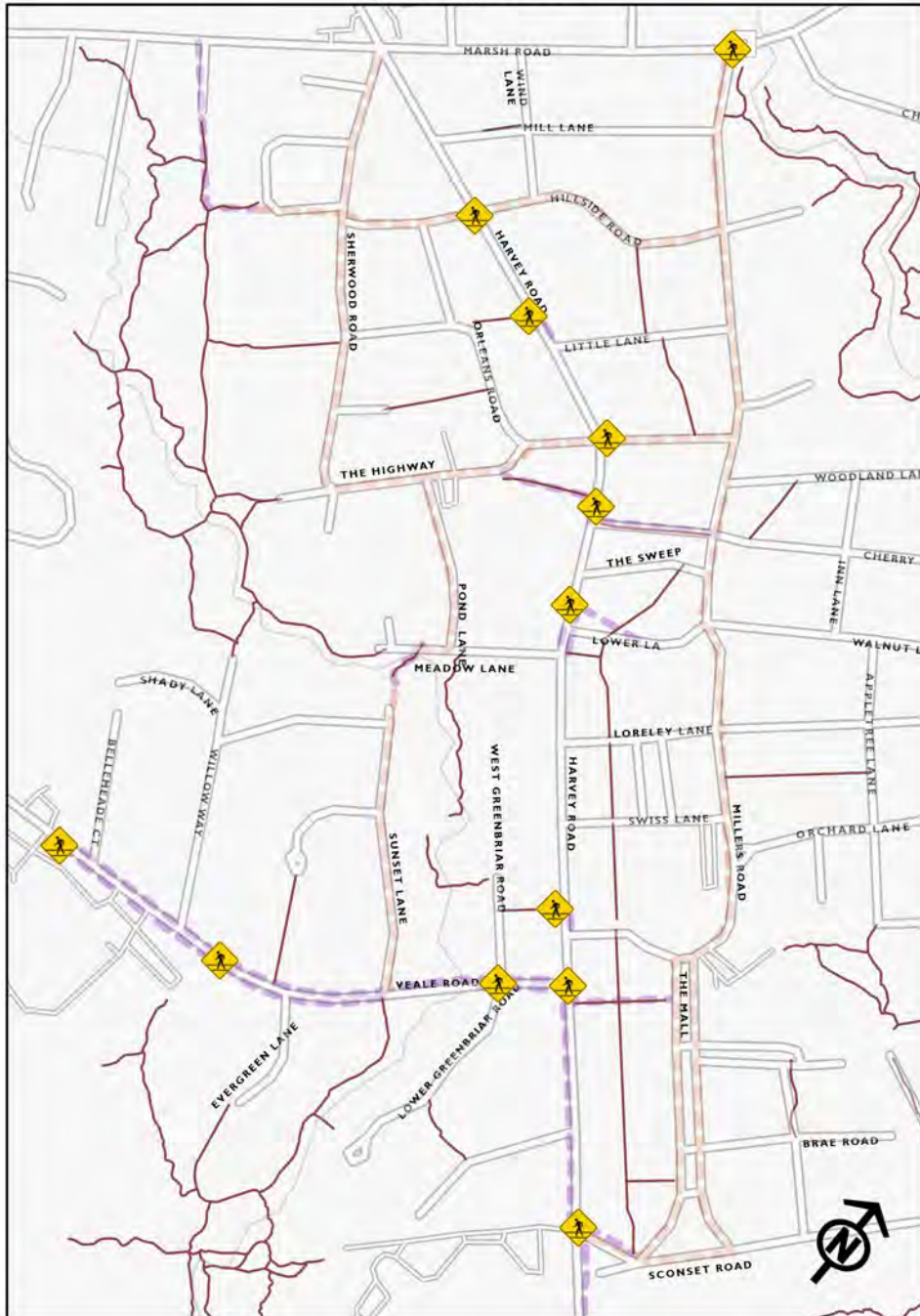


Alternative 2-B: Add amenities to Harvey Road



Goal 3: Provide Enhanced Pedestrian Crossings

Key Crossing Locations



NCHRP

SYNTHESIS 498

NATIONAL
COOPERATIVE
HIGHWAY
RESEARCH
PROGRAM

Application of Pedestrian Crossing Treatments for Streets and Highways



A Synthesis of Highway Practice

TRANSPORTATION RESEARCH BOARD
The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Apply guidance of NCHRP 498 and DeIDOT

Goal 4: Enhance Transit / School bus stops

Alternative 4-A: Modern/Sleek



Alternative 4-B: Traditional



Alternative 4-C: Wooden Bus Stop

