

City of Manassas Engineering Department

ANNUAL REPORT

February 14, 2022



Who we are



- City Engineer
 - 3 Senior Engineers
 - 1 Engineering Technician
 - 2 Site Inspectors
 - Mid-level Engineer - vacant
-
- Stormwater Program Administrator
 - Environmental Technician



2021 Overview

more than
1,000

Site Inspections in 2021



more than
100

Engineering
Plan Reviews in 2021
Public & Private



19

Active CIP Projects
Management & Design



Before



After



- One travel lane in each direction with pocket turn lanes
- Roundabout at Byrd Dr. & Bartow St.
- Bus Shelters –Multiple locations
- Pedestrian facilities on both sides of roadway
- On-street and off-street bike facilities on east side
- Raised Landscape Median and Landscaped Buffers
- New Flashing Signal Pedestrian crossings
- Decorative streetlights
- Utility Improvements



Grant Avenue Phase I Construction



Status

- Design complete
- Easements in negotiation
- Utility relocation started
- Construction anticipated Fall 2022



Dean Drive Extended (T-030)



- Provides Opportunity for Economic Development
- Extends Dean drive from existing cul-de-sac to the animal shelter
- Adds bike lane and curb-n-gutter
- Improves Drainage at Intersection of Dean Drive and Foster Drive
- Pedestrian Connectivity
- Water Transmission Replacement & Electric Undergrounding



Dean Drive Extended (T-030)



- Electric Undergrounding and Utility Relocation Underway
- Construction Contract Awarded
- Anticipated Construction Notice to Proceed in March 2021



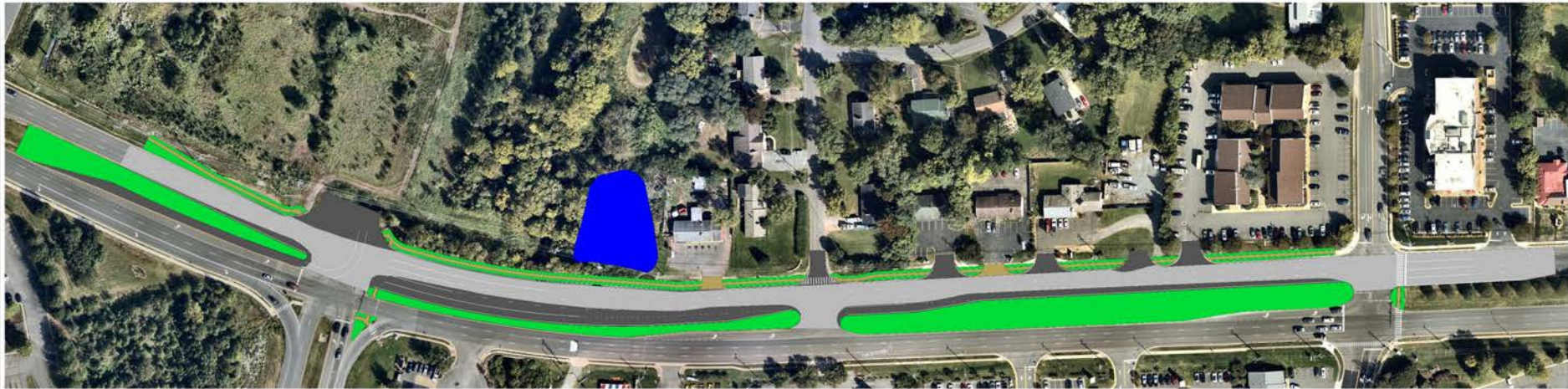
Sudley Road Third Lane (T-015)

Goals

- Establish 3rd NB thru-lane from Grant Ave. to Godwin Dr.
- Construct continuous sidewalk and pedestrian safety improvements at intersections
 - New Crosswalks
 - Pedestrian Push-Buttons
 - Median Refuge Islands

Status

- Engineering ~ 95% Complete
- Awaiting authorization to acquire Right-of-Way from VDOT & FHWA
- Currently Coordinating Required Utility Relocations
- Construction estimated to begin Spring 2023



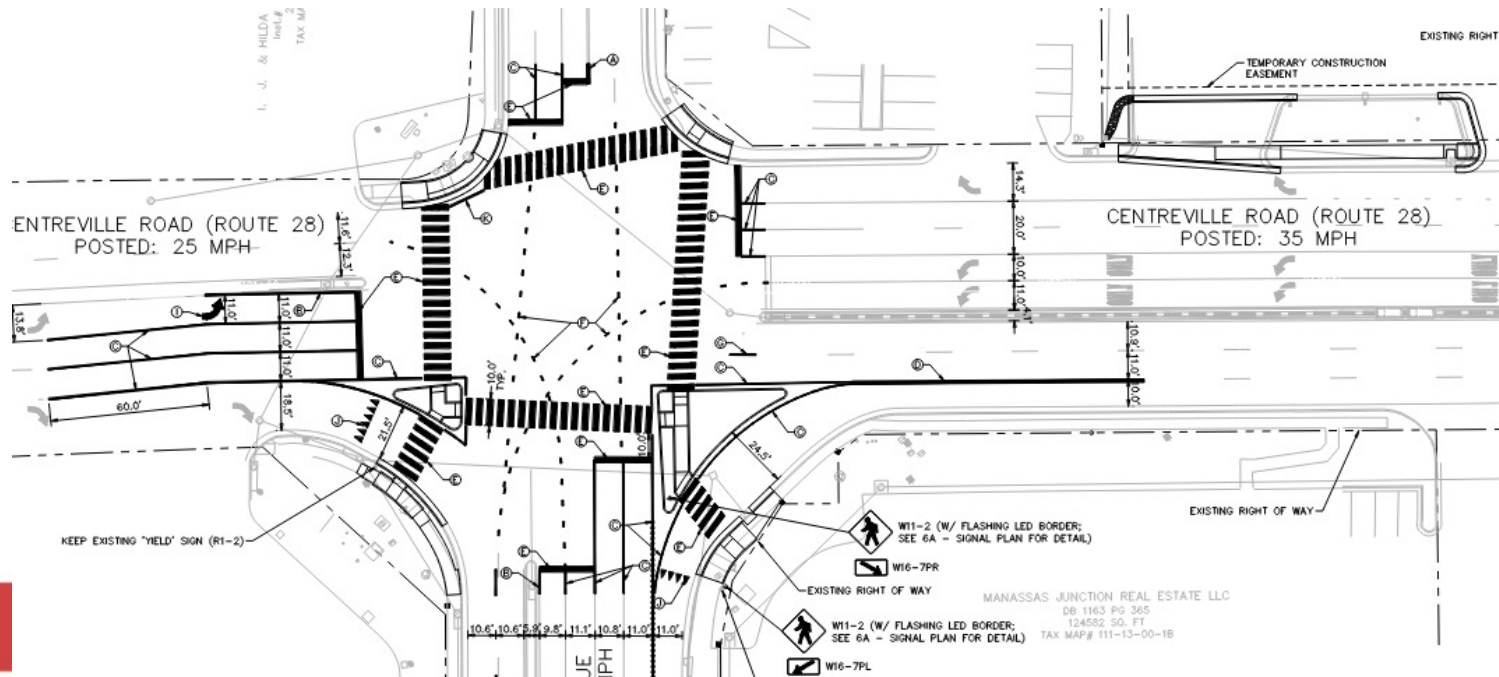
Centreville Rd./Liberia Ave. Intersection Improvements (T-074)

Goals

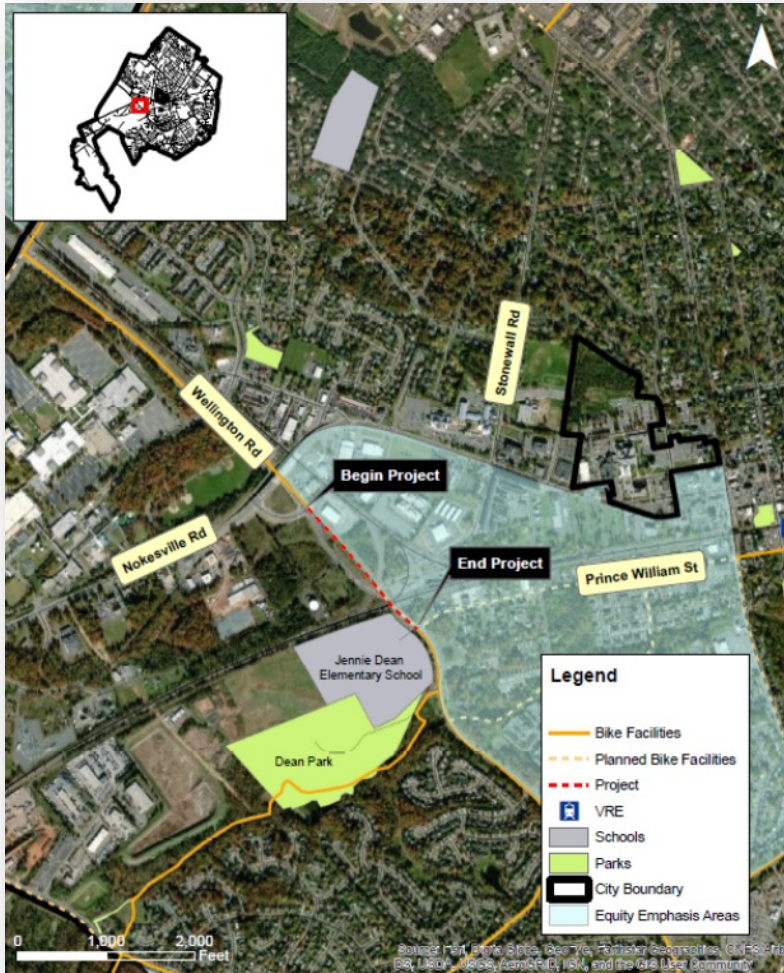
- Improve pedestrian safety at intersection
 - New Curb Ramps & Crosswalks
 - Pedestrian Signal Push-Buttons
 - Median Refuge Islands
 - Re-Striping Intersection

Status

- Engineering Complete
- Pending Acquisition of one Temporary Construction Easement
- Verifying Project Estimate and available funding
- Anticipated construction Spring 2023



Wellington Road Shared-Use Path (T-088)



Goals

- Complete 0.35-mile connection in trail system between Prince William St. and Nokesville Rd.
- Pedestrian & bike access across railroad tracks to Jennie Dean Elementary, Dean Park, Micron, and other local points of interest

Status

- Engineering 50% Complete
- Design coordination with VDOT and Norfolk Southern is on-going
- Construction estimated to begin Winter 2024/2025



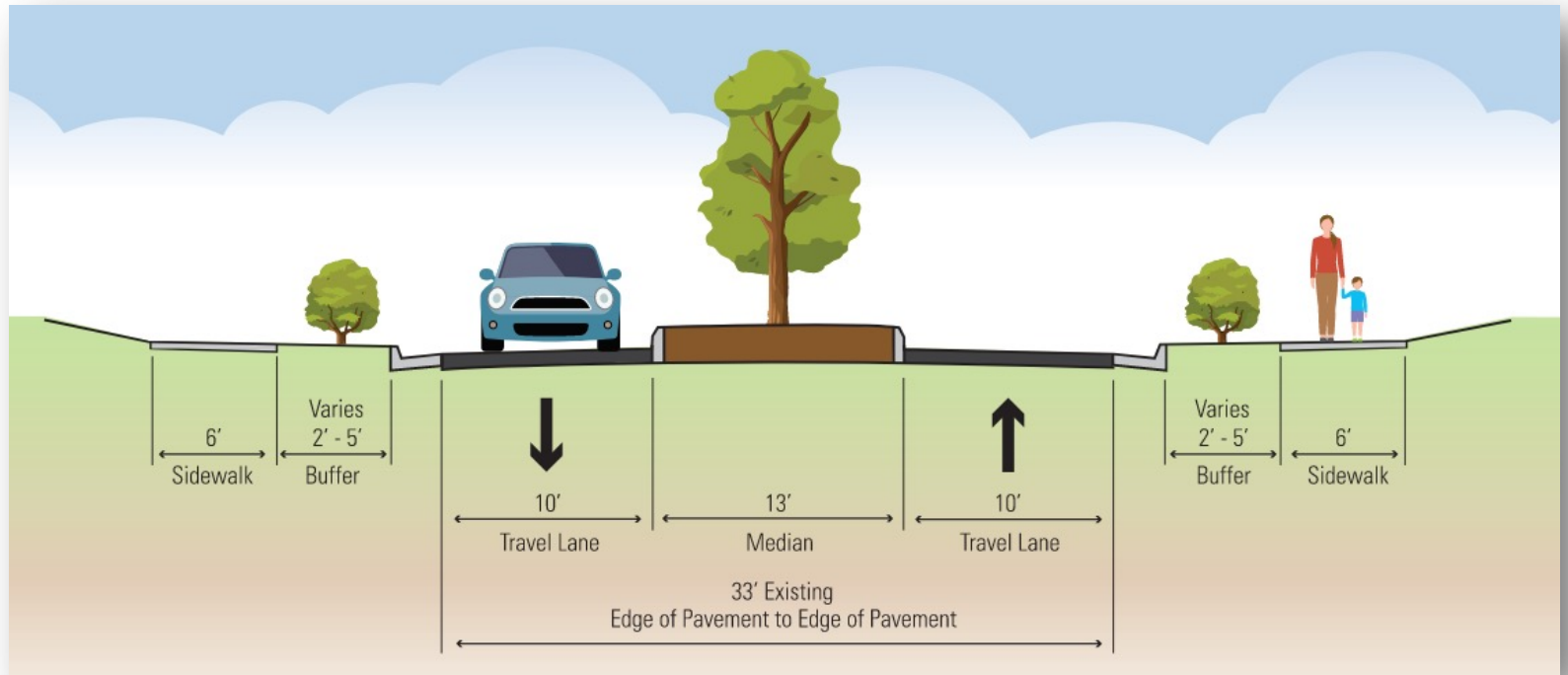
Mathis Avenue (T-086)

Goals

- Improve pedestrian safety and connectivity between two historic districts
- Promote investment in Mathis Corridor
- Improve traffic safety and implement traffic calming

Status

- Engineering Design 30% Complete
- Public engagement meetings in February and March 2022
- Pursuing grant opportunities for full construction funding



Route 28 / Nokesville Rd Widening (T-042)

Goals

- Delays due to utility conflicts
- Utility relocation work is underway

Status

Estimated completion in Summer 2023



Route 28 / Nokesville Rd Widening (T-042)

Construction



Dumfries Road Shared Use Path (T-058)

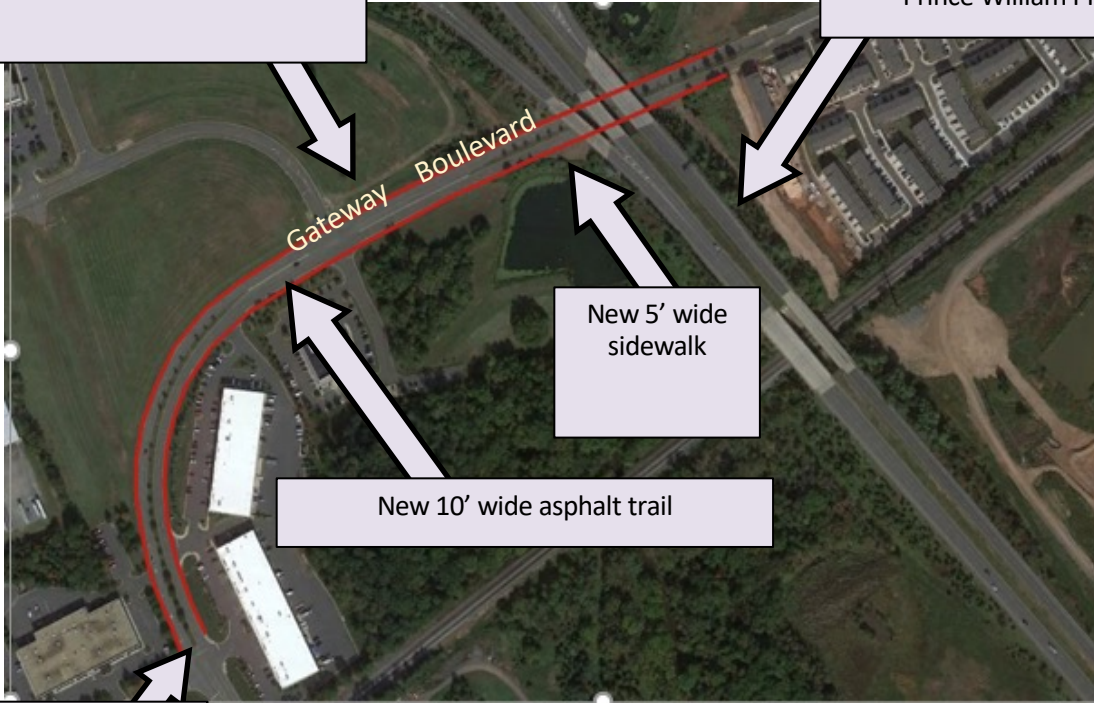


Dumfries Road Shared Use Path (T-058) Construction



Proposed Gateway Blvd
Sidewalk/Trail Improvement Project

Prince William PKWY



Wakeman Court

Status

- R/W Acquisition
- Eagle Nesting Season
- Estimated Construction Start: Summer 2022

Goals

- New ADA compliant 2,332 linear feet, 10—foot wide shared-use trail along the north-side of Gateway Boulevard.
- New ADA compliant 2,332 linear feet, 5—foot wide sidewalk along the south-side of Gateway Boulevard.
- Increased pedestrian and bicycle safety.
- New walking and biking connections for residents and businesses in the Gateway/Airport area.



Godwin Drive Shared Use Path (T-059)

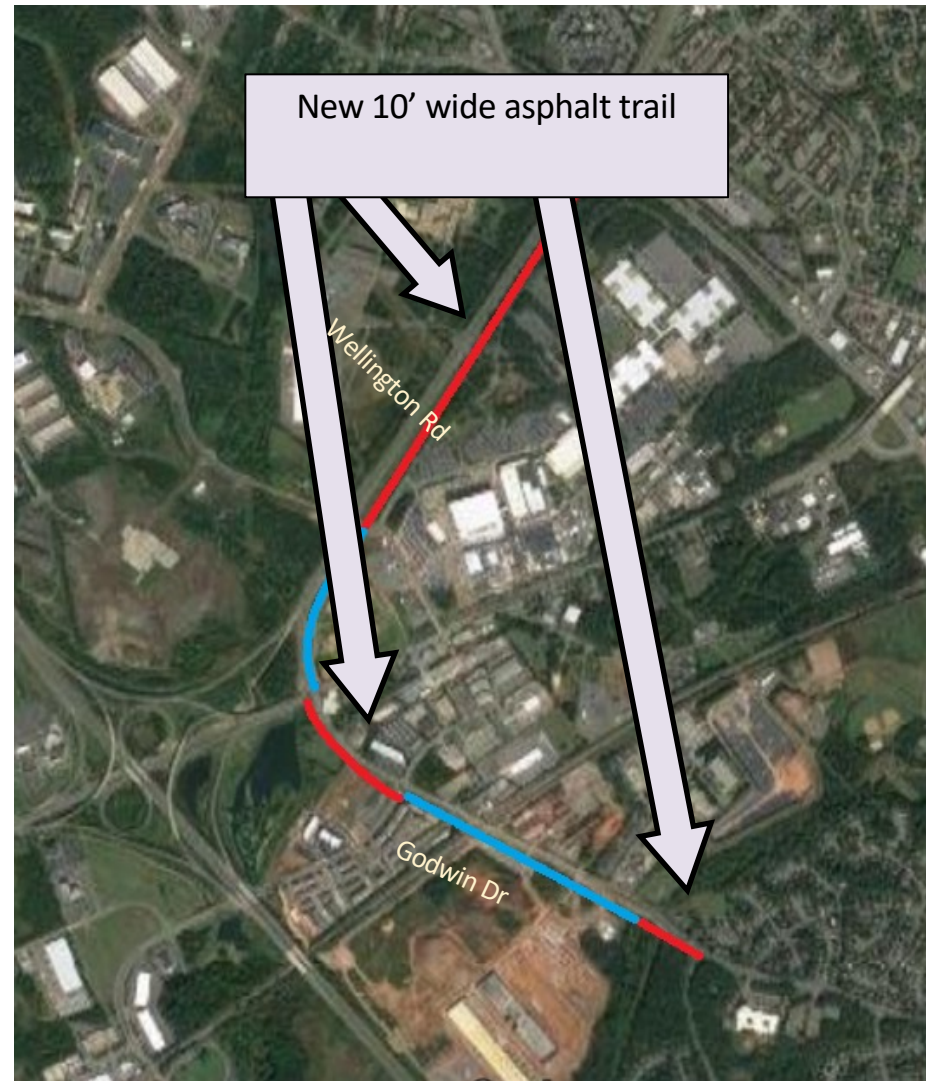
Goals

Two-way bicycle and pedestrian shared use path (8'-10' wide) from Wellington Rd. to Winters Branch Trail (approx. 1.5 miles)

Status

Right-of-way Acquisition:
Winter 2022

Construction is anticipated to begin in Spring 2022



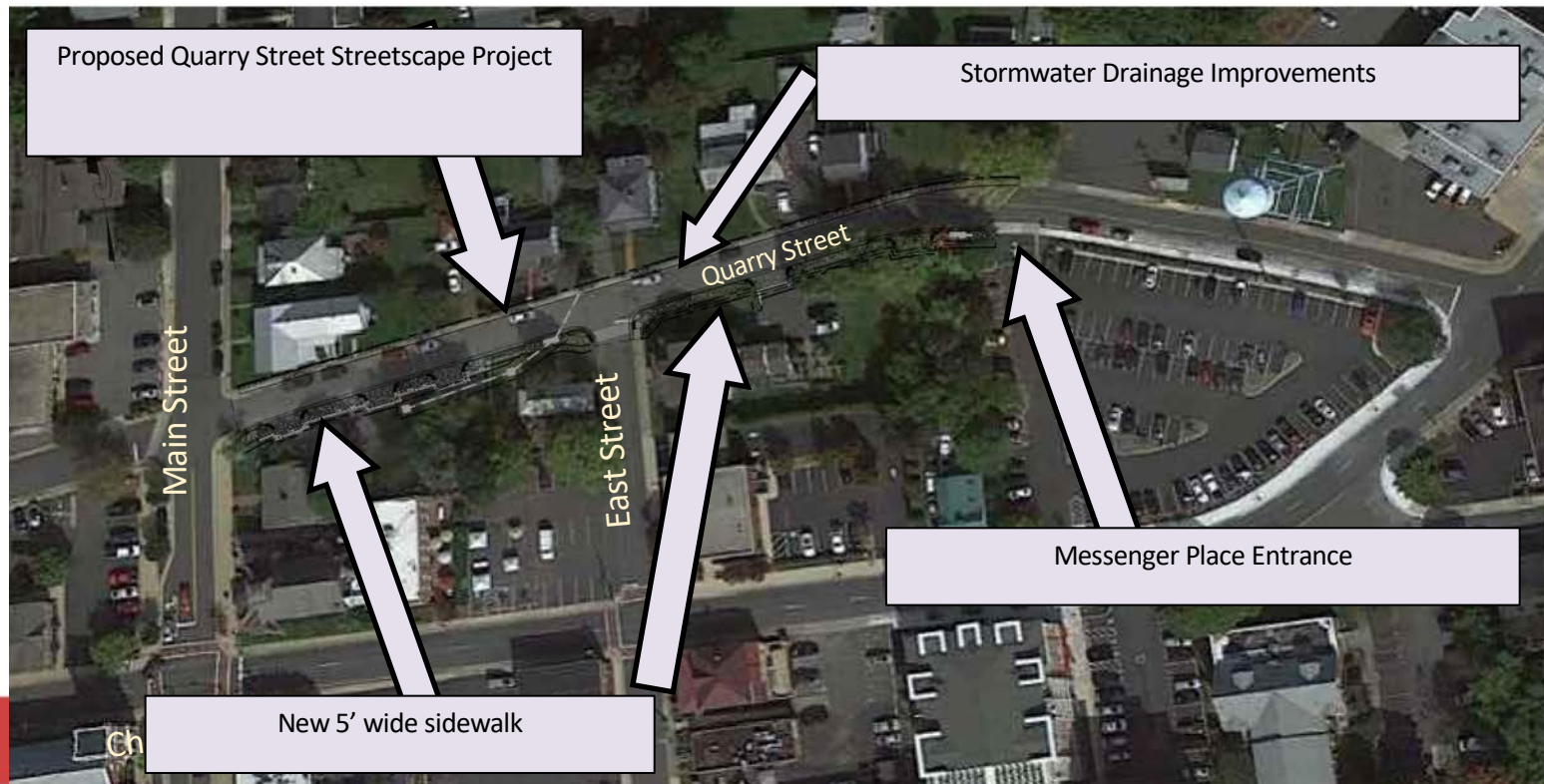
Quarry Street Streetscape Project (T-087)

Goals

- New ADA compliant 5-foot wide sidewalk along the southern portion of Quarry St.
- New roadway pavement, approximately 450 linear feet, between Main St. and the Messenger Place entrance.

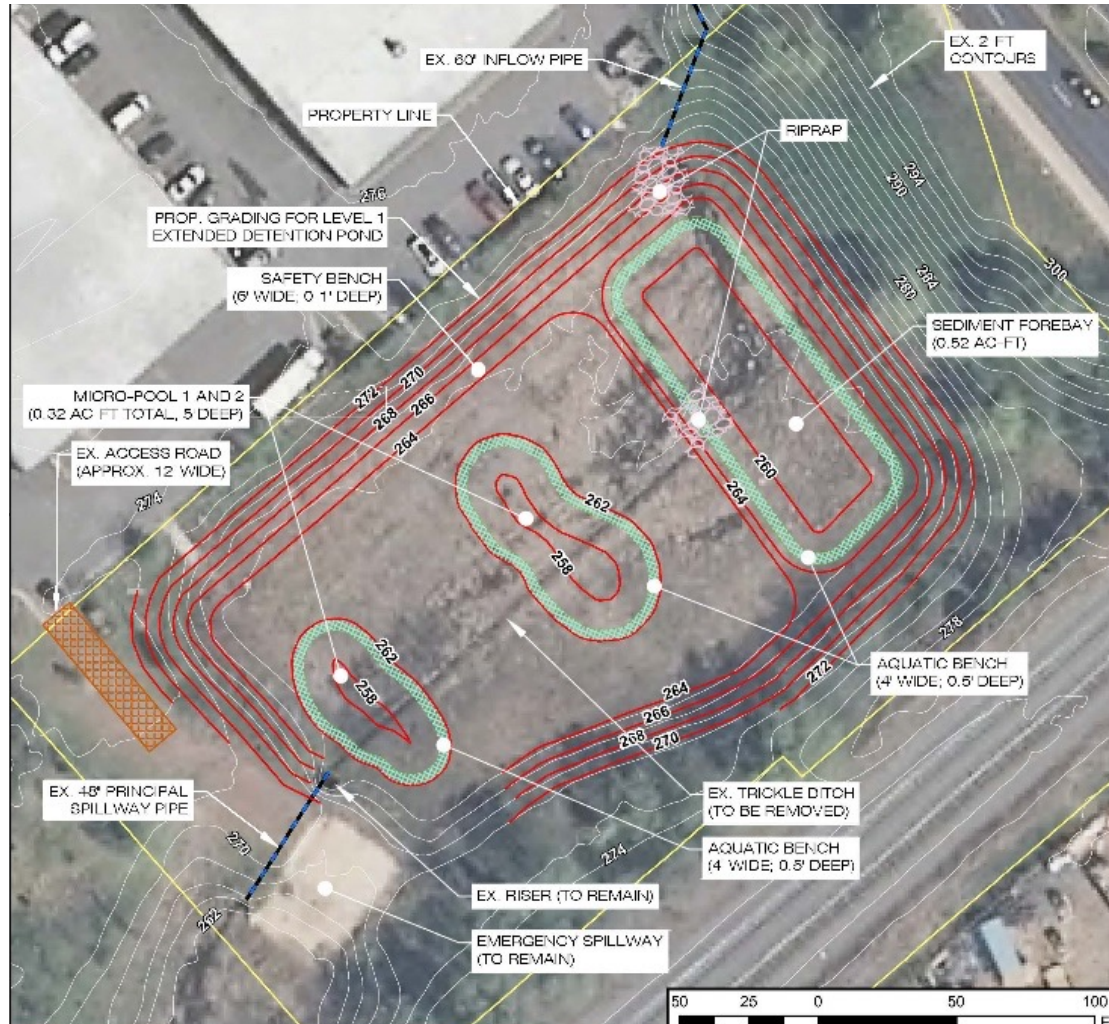
Status

- R/W Acquisition
- Utility Undergrounding – April 2022
- Construction Start – Summer 2022



Stormwater

Euclid/Sills Warehouse SW Pond Retrofit (D-009)



Goals

Retrofit Existing Dry Pond to a Level 1 extended detention pond that will provide water quality & quantity controls.

Status

Design- 30%

Estimated completion in Fall 2023



Stormwater

Liberia Plantation Stream Restoration (D-027)



Goals

Repair eroded stream beds along Flat Branch Creek through the Liberia Plantation property to allow TMDL credits.

Status

Design

Estimated completion in Fall 2023



Stormwater

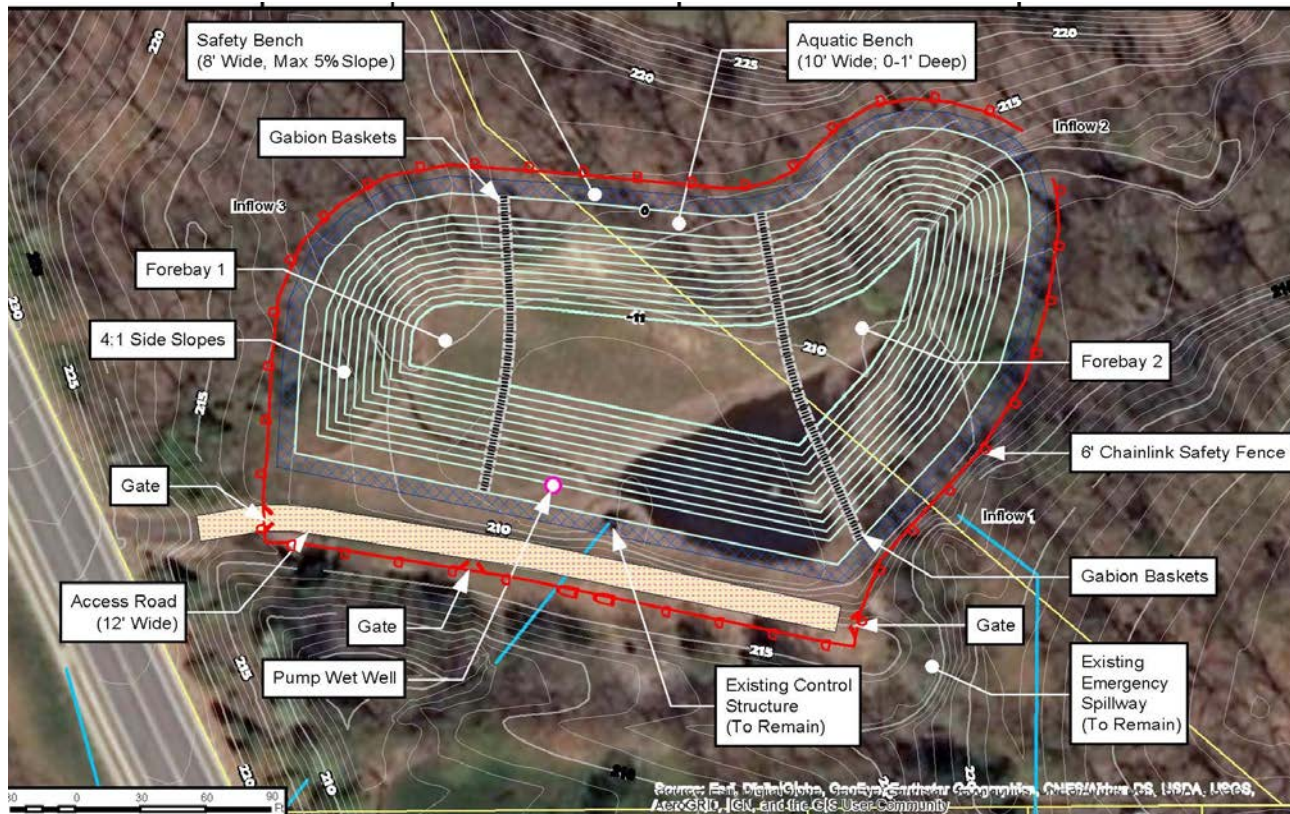
Round Elementary SW Pond Retrofit (D-036)

Goals

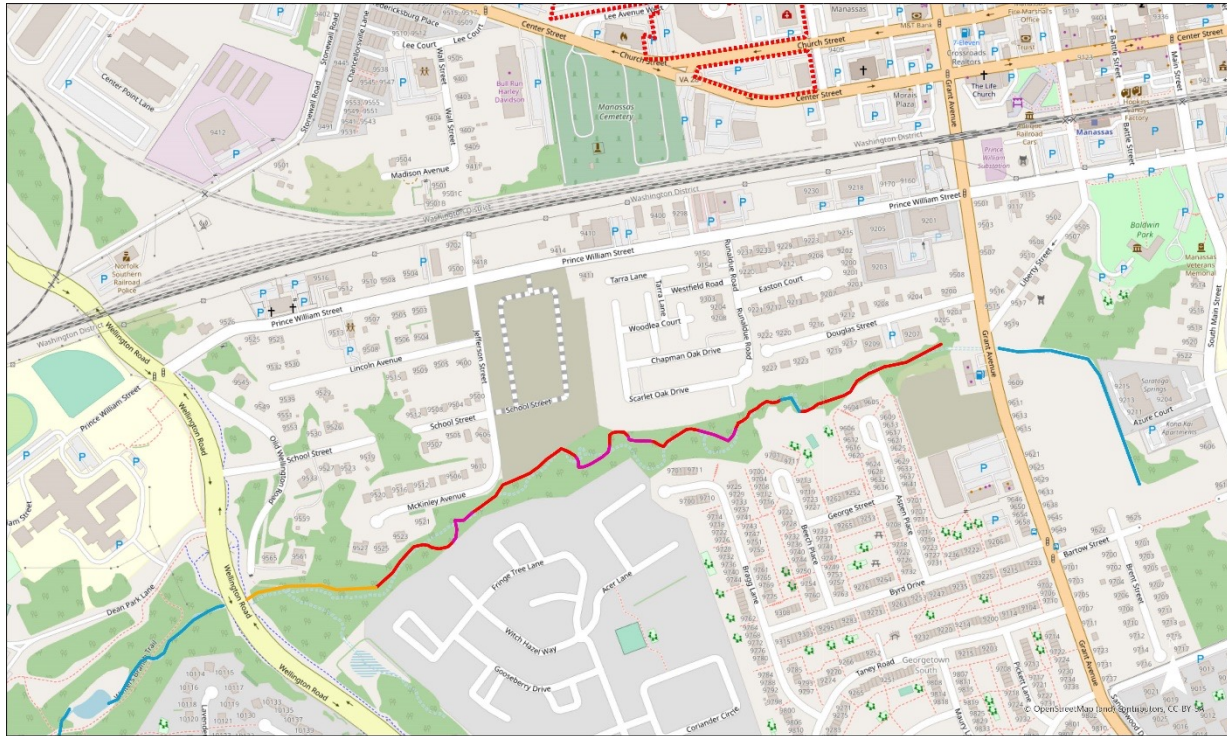
Retrofit existing dry pond to a Level 1 wet pond that provides water quantity & quality controls.

Status

Conceptual Design



Stormwater Cannon/Winters Branch Stream Restoration (Grant Ave to Wellington Rd)



Goals

Repair eroded stream banks of several segments along the Winters Branch tributary of Cannon Branch to gain TMDL program credits.

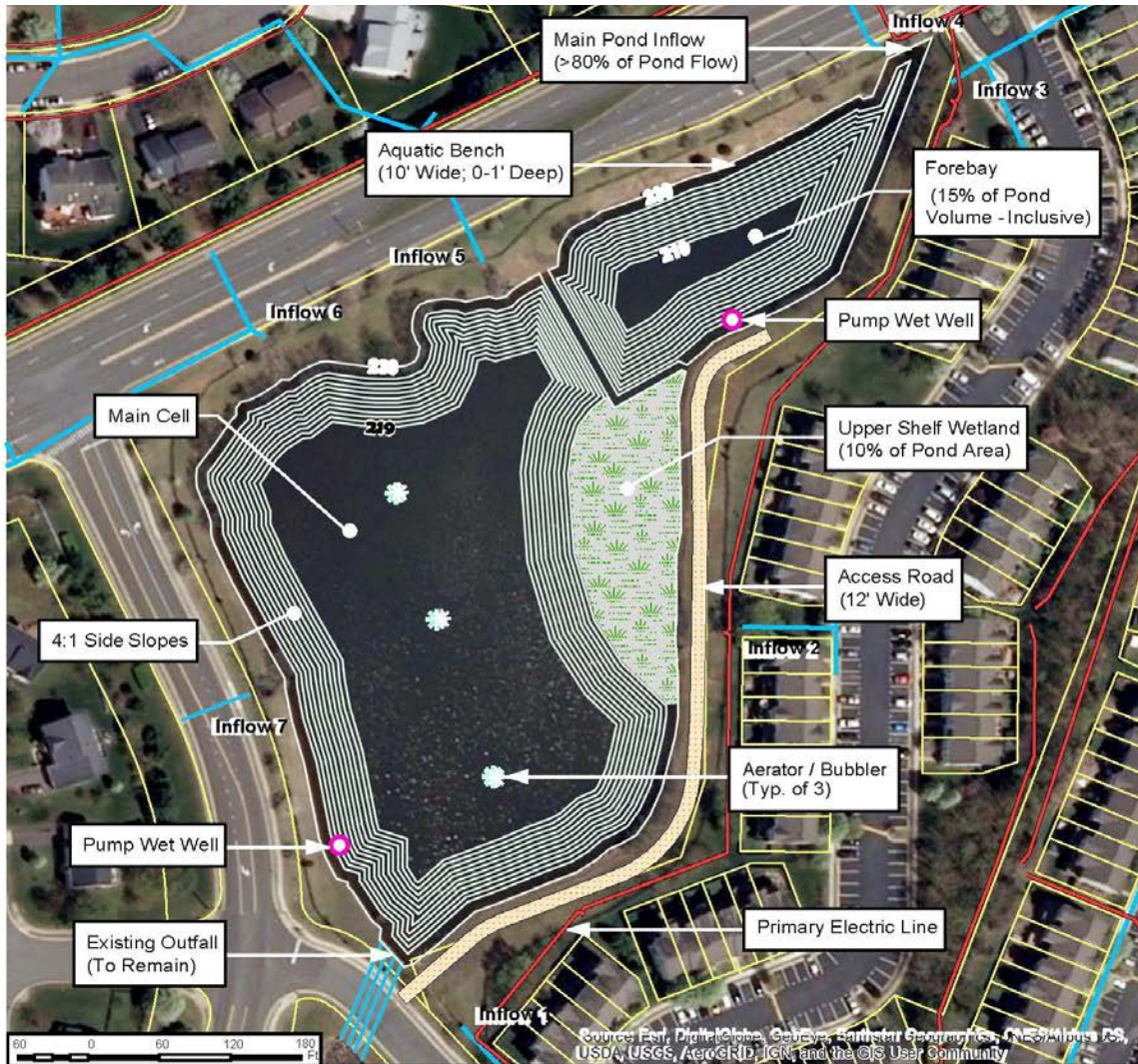
Status

Conceptual Design



Stormwater

Lucasville Regional SW Facility Retrofit (D-039)



Goals

Retrofit wet pond to a Level 2 wet pond that provides water quantity & quality controls.

Status

Design- 60%

Estimated completion in Fall 2023

Received grant funding for a portion of this project.



Addressing Drainage Complaints



Goals

- Research Ownership Responsibility and Design Cost Effective Solutions
- Construct Improvements to Address Concerns

Status

- Construction Complete at 8906 Stonewall Rd Project (Photo)
- Multiple Projects in Survey and Design Phase



PHASE 1



Dean Park (C-017)

Goals

To add additional recreational fields to support the community.

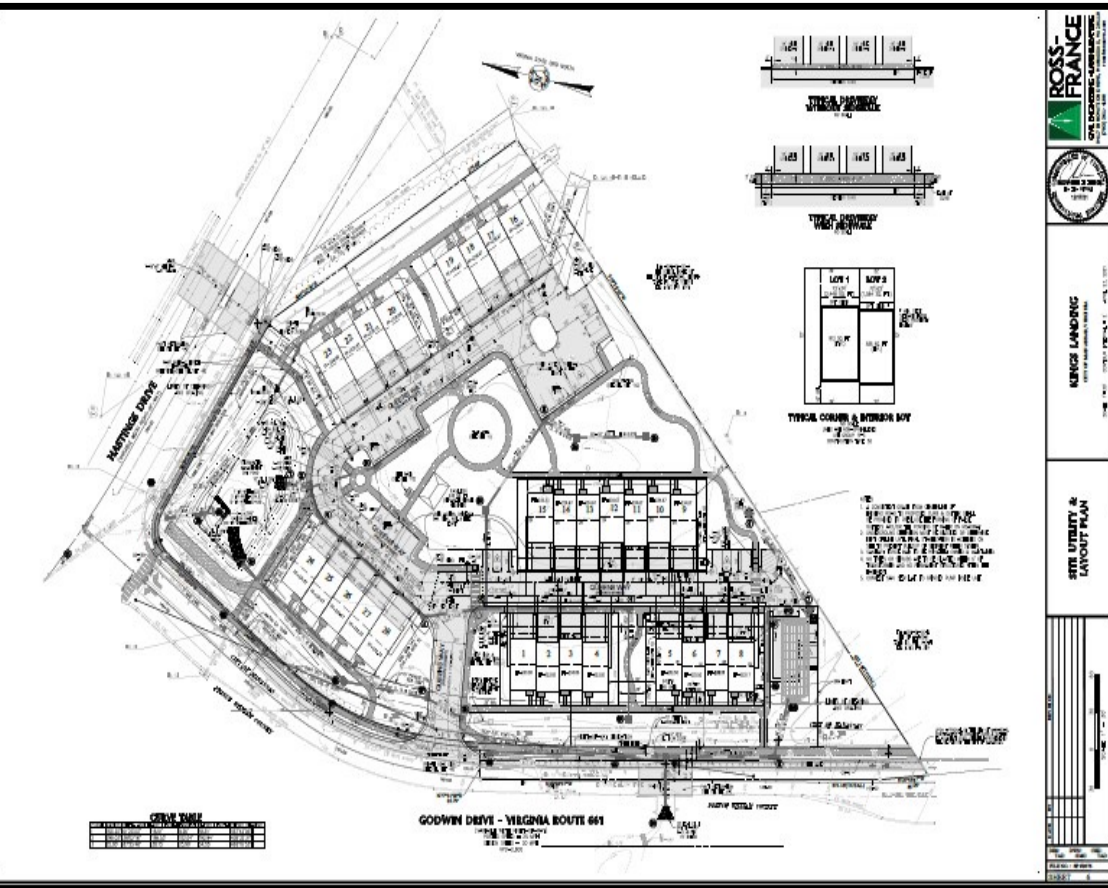
Status

Phase 1 – 30% design

Construction starts Fall 2022



Site Plan Review Process



Stormwater Review

Erosion & Sediment Control Review

Transportation Review

General Engineering Review

Utility Review

Traffic Impact Analysis Review

Confirm compliance with City
Comprehensive Plan and
Transportation Master Plan



WHAT'S IN OUR FUTURE:

- ❖ Van Metre Homes on Grant
- ❖ Kings Landing
- ❖ Centreville Rd./Liberia Ave. pedestrian
- ❖ Grant Ave. Streetscape
- ❖ Godwin Dr. Shared Use Path
- ❖ Quarry Rd. sidewalk
- ❖ Gateway Blvd. Pedestrian Improvements
- ❖ Lucasville Pond Retrofit
- ❖ Multiple Private Developer Lead Projects
- ❖ Completion of Route 32, Jefferson Square, Didlake, Harris II Building, The Learning Experience, Lockheed Martin Pavilion, Pierce Funeral Home Expansion, Osbourn High School Sidewalk



Questions?

