



Stafford County Infrastructure Report

Stafford's Infrastructure Projects

Parks and Recreation

Recently Completed Projects



Stafford's Infrastructure Projects

Parks and Recreation

Project: Brooks Park

Description: Construction of replacement of 90' baseball field backstop and fence

Project Budget Amount: \$50,000

Completion Date of Construction Phase: March 2011

Current Projected Completion Date of Project: March 2011

Recent Activity

- Existing fence was removed.
- New fence installed.
- Realigned the infield to fit new fencing.



Stafford's Infrastructure Projects

Parks and Recreation

Project: Brooks Park



New sideline fence and outfield fence

Stafford's Infrastructure Projects

Parks and Recreation

Project: Curtis Park

Description: Construction of shop roof repair

Project Budget Amount: \$20,000

Completion Date of Construction Phase: June 2010

Current Projected Completion Date of Project: June 2010

Recent Activity

- Repaired structural members where needed.
- Applied new coating on existing metal roof.



Stafford's Infrastructure Projects

Parks and Recreation

Project: Curtis Park

Description: Construction of sidewalk repair and fix stormwater runoff at office

Project Budget Amount: \$25,000

Completion Date of Construction Phase: April 2011

Current Projected Completion Date of Project: April 2011

Recent Activity

- Repaired damage curb and sidewalk
- Installed drain and inlet to control stormwater



Stafford's Infrastructure Projects

Parks and Recreation

Project: Government Island

Description: Construction of remaining improvements

Project Budget Amount: \$13,300

Completion Date of Construction Phase: April 2011

Current Projected Completion Date of Project: April 2011

Recent Activity

- Installed park entrance sign, additional rules sign, split rail fencing around the parking lot, gates on both board walks, and signage on the gate to Aquia Harbour



Stafford's Infrastructure Projects

Parks and Recreation

Project: Government Island



Park entrance sign



Split rail fence and additional rules sign



Stafford's Infrastructure Projects

Parks and Recreation

Project: Government Island



Gates to Aquia Harbour with signage

Stafford's Infrastructure Projects

Parks and Recreation

Project: Numerous Parks

Description: Construction of bleachers at athletic fields

Project Budget Amount: \$80,000

Completion Date of Construction Phase: Spring 2011

Current Projected Completion Date of Project: Spring 2011

Recent Activity

- Constructed concrete pads for the bleachers at 6 sites
- Purchased and assembled bleachers



Stafford's Infrastructure Projects

Parks and Recreation

Project: Numerous Parks



Typical bleacher and pad at Brooks 70' & 90' and Rowser

Stafford's Infrastructure Projects

Parks and Recreation

Project: Pratt Park

Description: Construction of repairs to the basketball courts

Project Budget Amount: \$28,000

Completion Date of Construction Phase: Spring 2011

Current Projected Completion Date of Project: Spring 2011

Recent Activity

- Cracks repaired, court overlaid with asphalt.
- Provided accessible route to the courts.



Stafford's Infrastructure Projects

Parks and Recreation

Project: Pratt Park



Accessible route to resurfaced basketball court



Stafford's Infrastructure Projects

Parks and Recreation

Project: Pratt Park

Description: Construction of repairs to the tennis courts

Project Budget Amount: \$175,000

Completion Date of Construction Phase: Spring 2011

Current Projected Completion Date of Project: Spring 2011

Recent Activity

- Cracks repaired, courts overlaid with membrane, color coated.
- Provided new nets and fence fabric, painted existing fence frames.
- Provided accessible parking spaces and accessible route to the courts.



Stafford's Infrastructure Projects

Parks and Recreation

Project: Pratt Park



Tennis courts before repairs

Stafford's Infrastructure Projects

Parks and Recreation

Project: Pratt Park



Tennis courts after repairs



Stafford's Infrastructure Projects

Parks and Recreation

Project: Pratt Park



Accessible parking spaces



Accessible route to tennis courts



Stafford's Infrastructure Projects

Parks and Recreation

Project: Woodlands Pool

Description: Construction of storage building for bubble

Project Budget Amount: \$50,000

Completion Date of Construction Phase: May 2010

Current Projected Completion Date of Project: May 2010

Recent Activity

- Constructed new storage building for pool dome, support structure, and lights.



Stafford's Infrastructure Projects

Parks and Recreation

Project: Woodlands Pool



New storage building



Stafford's Infrastructure Projects

Parks and Recreation

Project: Rowser

Description: Construction of ADA access to baseball field

Project Budget Amount: \$35,000

Completion Date of Construction Phase: Spring 2011

Current Projected Completion Date of Project: Spring 2011

Recent Activity

- Installed culvert in swale with asphalt trail from parking lot to the field and bleacher pads.
- Provided stone dust accessible route into the dugouts.
- Provided accessible parking space and portable toilet.



Stafford's Infrastructure Projects

Parks and Recreation

Project: Rowser



Accessible parking space



Accessible route to baseball field

Stafford's Infrastructure Projects

Parks and Recreation

Construction Phase Projects



Stafford's Infrastructure Projects

Parks and Recreation

Project: Courthouse Community Center

Description: Construction of ADA restroom modifications

Project Budget Amount: \$35,000

Completion Date of Construction Phase: August 2011

Current Projected Completion Date of Project: August 2011

Recent Activity

- Identified changes required.
- Relocated fixtures to be compliant
- Preparing plans for Building Permit and contractor repairs.





Stafford's Infrastructure Projects

Parks and Recreation

Project: Duff Green Park

Description: Construction of retrofit playground for ADA and provide lights

Project Budget Amount: \$26,000

Completion Date of Construction Phase: Spring 2011

Current Projected Completion Date of Project: Spring 2011

Recent Activity

- Installed lights for walkway from parking lot to site amenities and around playground.
- Need to meet with contractor again to clarify scope of accessible routes on site and to playground.

Stafford's Infrastructure Projects

Parks and Recreation

Project: Numerous Parks

Description: Construction of athletic field renovations

Project Budget Amount: \$85,000

Completion Date of Construction Phase: July 2011

Current Projected Completion Date of Project: July 2011

Recent Activity

- Purchased laser operated box grader and deep tine aerator.
- Rowser infield leveled in time for softball tryouts 3/12.
- Willowmere baseball infields regraded and sod has been placed.
- Autumn Ridge infield improvements planned for this summer.



Stafford's Infrastructure Projects

Parks and Recreation

Project: Numerous Parks

Description: Construction of athletic field renovations

Project Budget Amount: \$85,000

Completion Date of Construction Phase: July 2011

Current Projected Completion Date of Project: July 2011

Recent Activity

- Autumn Ridge infield improvements planned for this summer.



Stafford's Infrastructure Projects

Parks and Recreation

Design Phase Projects



Stafford's Infrastructure Projects

Parks and Recreation

Project: Belmont Ferry Farm Trail

Description: Design of Phase 3 and 5 trail segments from Belmont to Pratt Park

Project Budget Amount: \$1,376,122

Completion Date of Design Phase: May 2011 (Phase 3); July 2011 (Phase 5)

Current Projected Completion Date of Project: December 2011

Recent Activity

- See next page



Stafford's Infrastructure Projects

Parks and Recreation

Project: Belmont Ferry Farm Trail (continued)

Recent Activity

- Phase 3 construction documents/specifications have received Authorization to Bid from VDOT.
- Submission of Signature Sets to Stafford Planning on 4/29.
- Expect to advertise for bid in early-mid May and BOS contract award July 5, 2011.
- Phase 5 VDOT ROW Certification will be approved once Access Agreement with neighbor is final.
- Authorization to Bid to be requested from VDOT after ROW Certification and Access Agreement resolved.

Stafford's Infrastructure Projects

Parks and Recreation

Project: Smith Lake Park

Description: Design of ball field foul ball netting

Project Budget Amount: \$50,000

Completion Date of Design Phase: August 2011

Current Projected Completion Date of Project: February 2012

Recent Activity

- Have considered several designs.
- Received pricing on one system; way more than funding.
- Pursuing other designs and quotes.



Stafford's Infrastructure Projects

Parks and Recreation

Planning Phase Projects



Stafford's Infrastructure Projects

Parks and Recreation

Project: Carl Lewis

Description: Planning of expansion & paving of parking lot, ball field re-grading, drainage improvements

Project Budget Amount: \$310,000

Completion Date of Planning Phase: August 2012

Current Projected Completion Date of Project: June 2014

Recent Activity

- Project delayed until project management resources become available to move the project forward.



Stafford's Infrastructure Projects

Parks and Recreation

Project: Land Acquisition (Bond)

Description: Planning of land acquisition for rectangular athletic field complex

Project Budget Amount: TBD depending on parcel(s) selected

Completion Date of Planning Phase: January 2012

Current Projected Completion Date of Project: 2015

Recent Activity

- Solicited properties with an RFP; no acceptable parcels submitted.
- Received direction to hire professional assistance.
- Received proposal for professional assistance on 4/28.



Stafford's Infrastructure Projects

Parks and Recreation

Project: Musselman Park (Bond)

Description: Planning of park master plan

Project Budget Amount: \$50,000

Completion Date of Planning Phase: January 2012

Current Projected Completion Date of Project: 2014

Recent Activity

- Reviewing the 22 responses received from the RFP to determine the most qualified firm.





Stafford's Infrastructure Projects

Parks and Recreation

Project: Numerous Parks

Description: Planning of ADA accessibility upgrades

Project Budget Amount: \$150,000

Completion Date of Planning Phase: August 2011

Current Projected Completion Date of Project: August 2012

Recent Activity

- Need to revisit some sites to fill in incomplete data.
- Need to finalize prioritization criteria.
- Project will proceed mid-year when approved resources come on board.

Stafford's Infrastructure Projects

Public Works





Stafford's Infrastructure Projects

Public Works

Project: Smith Lake Estates Subdivision Completion

Description: Completion of road and stormwater management work following developer default

Project Budget Amount: \$213,000 for roads/culvert

Completion Date of Road Construction Phase: October 2010

Completion Date of Project: February 2011

Recent Activity

- Staff and VDOT agreed on a repair plan for the 60" culvert, allowing completion of the project and acceptance into the state system
- Road acceptance Board package on the May 3rd agenda

Stafford's Infrastructure Projects

Public Works

Project: Master's Mill Subdivision Completion

Description: Completion of road and stormwater management and erosion and sediment control work following developer default

Project Budget Amount: \$165,000 (roads); \$30,000 (stormwater management)

Completion Date of Construction Phase: June 2011

Current Projected Completion Date of Project: April 2011

Recent Activity

- VDOT performed a final street acceptance inspection on April 11, 2011 and added a few work items not included in the original scope
- Contactor completed the additional work items



Stafford's Infrastructure Projects

Public Works



Stafford's Infrastructure Projects

Public Works

Project: Stafford Oaks Section 4B Subdivision

Description: Completion of road repairs following developer default

Project Budget Amount: \$69,000 for roads

Completion Date of Construction Phase: July 2011

Current Projected Completion Date of Project: July 2011

Recent Activity

- Prepared bidding documents and solicited public bids
- Will be under contract by mid-May for a late spring start of construction





Stafford's Infrastructure Projects

Public Works

Project: Courthouse Annex

Description: Construction of 13,800 S.F. Office Building

Project Budget Amount: \$2,900,000

Completion Date of Design Phase: November 2011

Current Projected Completion Date of Project: November 2012

Recent Activity

- Completed 60% design
- Submitted Site Plan for County review
- Demolished former Rescue 1 facility

Stafford's Infrastructure Projects

Public Works



Demolition of Rescue 1 Building





Stafford's Infrastructure Projects

Public Works

Project: Stafford Civil War Sites Park

Description: Design services in support of a Civil War historical park

Project Budget Amount: \$57,000

Completion Date of Design Phase: June 2011

Current Projected Completion Date of Project: September 2012

Recent Activity

- Submitted Infrastructure Plan for County review
- Received and addressed review comments
- Re-submittal pending minor modifications to original design
- Assisting FSCWS Director with additional field study

Stafford's Infrastructure Projects

Public Works



Entrance Location off Mt. Hope Church Road



Stafford's Infrastructure Projects

Public Works

Project: Poplar Road Improvements (Impact Fee)

Description: Design of the intersection and road improvements on Poplar Road between Route 17 and Truslow Road

Project Budget Amount: \$2,300,000

Completion Date of Design Phase: July 2011

Current Projected Completion Date of Project: September 2012

Recent Activity

- Submitted Infrastructure Plan for first and second County review
- Resolving easement alignments with utility companies
- Negotiated second settlement
- Pursuing remaining right of way
- Scheduled to bid project by late summer

Stafford's Infrastructure Projects

Public Works

Project: Poplar Road Improvements (2008 Bond Project)

Description: Design of the safety improvements on Poplar Road between Kellogg Mill Road and Shackleford Well Road

Project Budget Amount: \$2,100,000

Completion Date of Design Phase: April 2012

Current Projected Completion Date of Project: June 2014

Recent Activity

- Completed aerial survey work of project limits
- Ground survey work continues
- Completing title work on adjacent parcels



Stafford's Infrastructure Projects

Public Works

Project: Mountain View Road Improvements

Description: Design of the safety improvements on Mountain View Road between Joshua Road and Rose Hill Farm Road (1.25 miles)

Project Budget Amount: \$7,550,000

Completion Date of Design Phase: August 2011

Current Projected Completion Date of Project: June 2014

Recent Activity

- Completed 60% design
- Developing Infrastructure Plan for submission to County
- Finalizing public hearing transcript for submission to VDOT and finalizing process for authorization to acquire right-of-way
- Initiating appraisals





Stafford's Infrastructure Projects

Public Works

Project: Mountain View Road Improvements (Extension)

Description: Design of safety improvements on Mountain View Road between Mountain View High School and Rose Hill Farm Road (0.5 mi.)

Project Budget Amount: \$2,650,000

Completion Date of Design Phase: May 2012

Current Projected Completion Date of Project: June 2015

Recent Activity

- Contracts completed and forwarded for execution
- Coordinating project requirements with VDOT staff
- Aerial survey work completed

Stafford's Infrastructure Projects

Public Works

Project: Brooke Road Improvements (2008 bond Project)

Description: Design of safety improvements on Brooke Road south of Eskimo Hill Road (1.8 miles)

Project Budget Amount: \$6,500,000

Completion Date of Design Phase: December 2012

Current Projected Completion Date of Project: June 2015

Recent Activity

- Received proposal responses from seven firms
- Currently under review by staff
- Scheduled to initiate design this fall



Stafford's Infrastructure Projects

Public Works

Project: Public Private Transportation Act (PPTA) Projects

Description: Completion of four 2008 Transportation Bond projects
Garrisonville Road widening, Truslow Road east and west of I-95, and
Mountain View Road north of Centreport Parkway

Project Budget Amount: \$27,100,000

Completion Date of Design Phase: Not Determined

Current Projected Completion Date of Project: 2018

Recent Activity

- Received and evaluated proposals from three PPTA teams
- Requested detailed proposals due May 27



Stafford's Infrastructure Projects

Public Works

Project: Hampton Park Road Sidewalk

Description: Construct 600' sidewalk connection along the south side of Hampton Park Road to provide continuity between the Woodlands Pool and Porter Library

Project Budget Amount: \$100,000

Completion Date of Design Phase: May 2011

Current Projected Completion Date of Project: August 2011

Recent Activity

- Completed design and submitted Infrastructure Plan to County
- Completed appraisal



Stafford's Infrastructure Projects

Public Works

Project: Historic Falmouth Village Improvements

Description: Design of parking and sidewalk improvements in Falmouth

Project Budget Amount: \$1,000,000

Completion Date of Phase 1 Design: May 2011

Current Projected Completion Date of Project: June 2015

Recent Activity

- Design completed and submitted for County review and comment
- Preparing responses to Infrastructure Plan review comments
- Evaluating proposal for design of Phase 2 of the project – completion of a sidewalk on West Cambridge Street, public parking lot on Washington Avenue and pedestrian overlook at the intersection of West Cambridge Street and King Street



Stafford's Infrastructure Projects

Public Works

Project: Courthouse Area Streetscape Improvements

Description: Design of streetscape improvements along U.S-1 and Courthouse Road

Project Budget Amount: \$2,190,137

Completion Date of Phase 1 Design: May 2012

Current Projected Completion Date of Project: June 2014

Recent Activity

- Continuing design activities along Route 1 between Hope Road and Hospital Center Boulevard
- Processing contract for design of the Courthouse Road portion of the streetscape improvements between Stafford Avenue and Red Oak Drive

Stafford's Infrastructure Projects

Public Works

Project: Decatur Road Drainage Improvements

Description: Replace a single 42" culvert with three 54" culverts

Project Budget Amount: \$150,000 (funded by the state)

Current Projected Completion Date of Project: May 2011

Recent Activity

- Work began May 2 and expected to be completed in 12 days



Stafford's Infrastructure Projects

Public Works



Meadow Branch @ Decatur Road

Stafford's Infrastructure Projects

Public Works

Project: Bells Hill Road Safety Improvements

Description: Complete road widening, shoulder installation, sight distance and lane striping improvements

Project Budget Amount: \$97,000

Current Projected Completion Date of Project: July 2011 (Phase 1)

Recent Activity

- Completed design and awaiting VDOT scheduled start on June 10



Stafford's Infrastructure Projects

Public Works



Bells Hill Road – Phase 1

Stafford's Infrastructure Projects

Public Works

Questions?





Stafford County Infrastructure Report Department of Utilities Projects

Stafford's Infrastructure Projects

Utilities

Project: Little Falls Run Enhanced Nutrient Removal Upgrades

Description: Upgrade the existing facility to meet strict nutrient removal limits required by the Chesapeake Bay Act

Project Budget Amount: \$11.539M

Completion Date of Design Phase: August 2008

Expected or Actual Construction Start Date: February 2009

Completion Date of Project: September 2010

- Expanded capacity to 8 MGD
- Added nutrient removal upgrade
- Increased sludge handling capacity

Completed



Stafford's Infrastructure Projects

Utilities

Project: Little Falls Run Enhanced Nutrient Removal Upgrades



Completed

Stafford's Infrastructure Projects

Utilities

Project: Aquia @ Dewey Pump Station Replacement

Description: Replacement of an aging pump station in Aquia Harbour with a new pump station at a nearby location

Project Budget Amount: \$0.75M

Completion Date of Design Phase: Complete

Expected or Actual Construction Start Date: April 2010

Current Projected Completion Date of Project: May 2011

- Construction is 80% complete
- Final tie-in, testing and site restoration remain

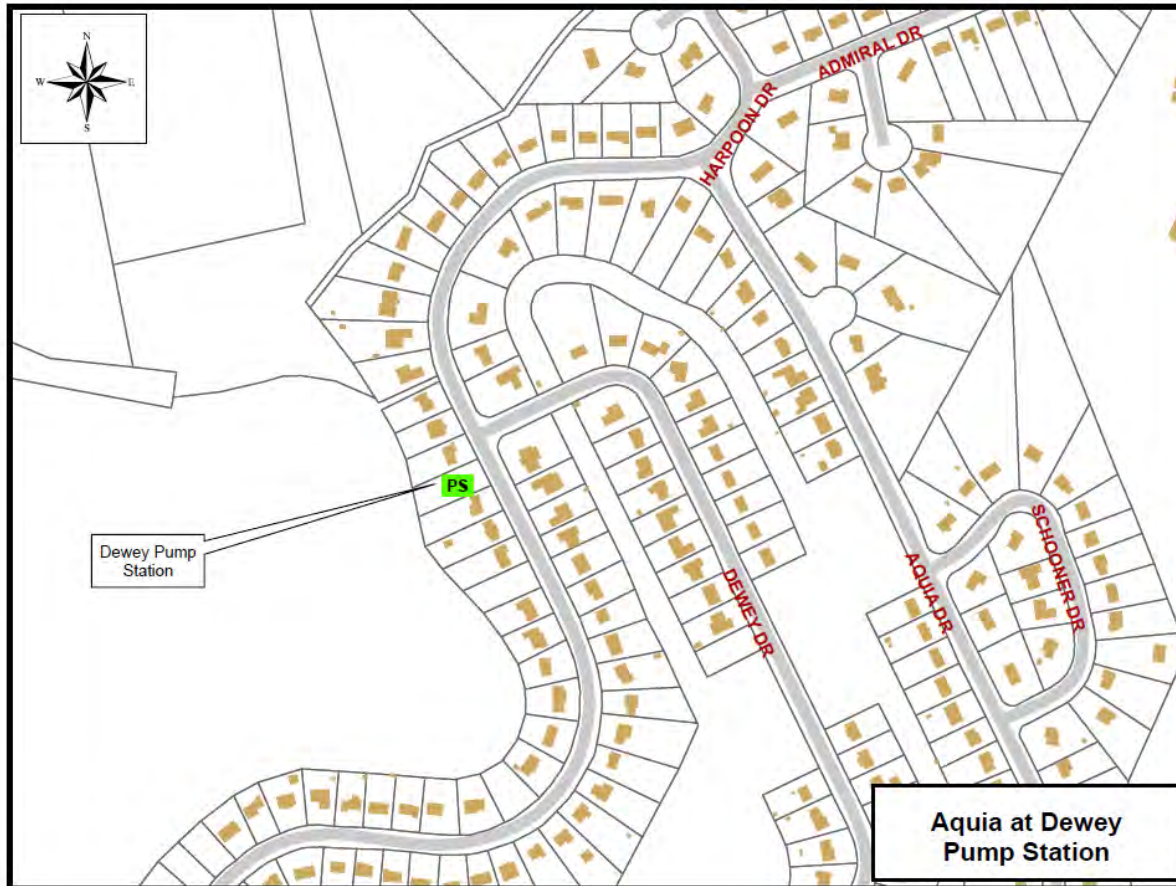
Under Construction



Stafford's Infrastructure Projects

Utilities

Project: Aquia @ Dewey Pump Station Replacement



Under Construction

Stafford's Infrastructure Projects

Utilities

Project: Aquia Wastewater Treatment Facility Upgrades and Improvements

Description: Upgrades of existing facility to meet more stringent nutrient removal requirements of the Chesapeake Bay Act and expand capacity to 10 million gallons per day (MGD)

Project Budget Amount: \$25.397M

Completion Date of Design Phase: Complete

Expected or Actual Construction Start Date: September 2009

Current Projected Completion Date of Project: June 2011

- Will provide 10 MGD capacity with nutrient removal upgrades
- Construction is approximately 90% complete
- Final completion is expected in July 2011

Under Construction



Stafford's Infrastructure Projects

Utilities

Aquia Wastewater Treatment Facility Upgrades and Improvements



Under Construction

Stafford's Infrastructure Projects

Utilities

Project: Upper Accokeek Pump Station Replacement

Description: New 28 MGD pump station to replace existing station and provide additional capacity needed to serve the commercial and residential development west of I-95 from Route 630 north to Aquia Creek

Project Budget Amount: \$1.2M

Completion Date of Design Phase: Complete

Expected or Actual Construction Start Date: June 2008

Current Projected Completion Date of Project: May 2011

- The pump station is currently in service.
- Final site restoration, demolition of the old pump station, and reconfiguration of the old force main still remain
- Staff is currently evaluating the contractor's proposal to substitute road pavement for complete removal of the old pump station structures. A pavement design is being prepared

Under Construction

Stafford's Infrastructure Projects

Utilities

Project: Austin Run Pump Station Replacement

Description: New pump station adjacent to the Aquia WWTF to replace the existing Austin Run PS located at the northeast corner of Route 1 and Coal Landing Road

Project Budget Amount: \$3.87M

Completion Date of Design Phase: April 2011

Expected or Actual Construction Start Date: Autumn 2011

Current Projected Completion Date of Project: June 30, 2013

- Design specifications are under review
- Site plan has been approved
- Will be combined with Austin Run Sewer project

Under Design

Stafford's Infrastructure Projects

Utilities

Project: Austin Run Gravity Sewer Replacement

Description: Replacement of approximately 1,100 feet of undersized and deteriorated gravity sewer with 42-inch pipe from a point just west of Route 1 to the Aquia WWTF where a new screw pump lift station will be constructed to replace the existing Austin Run PS

Project Budget Amount: \$4.779M

Completion Date of Design Phase: Complete

Expected or Actual Construction Start Date: September 2011

Current Projected Completion Date of Project: June 30, 2014

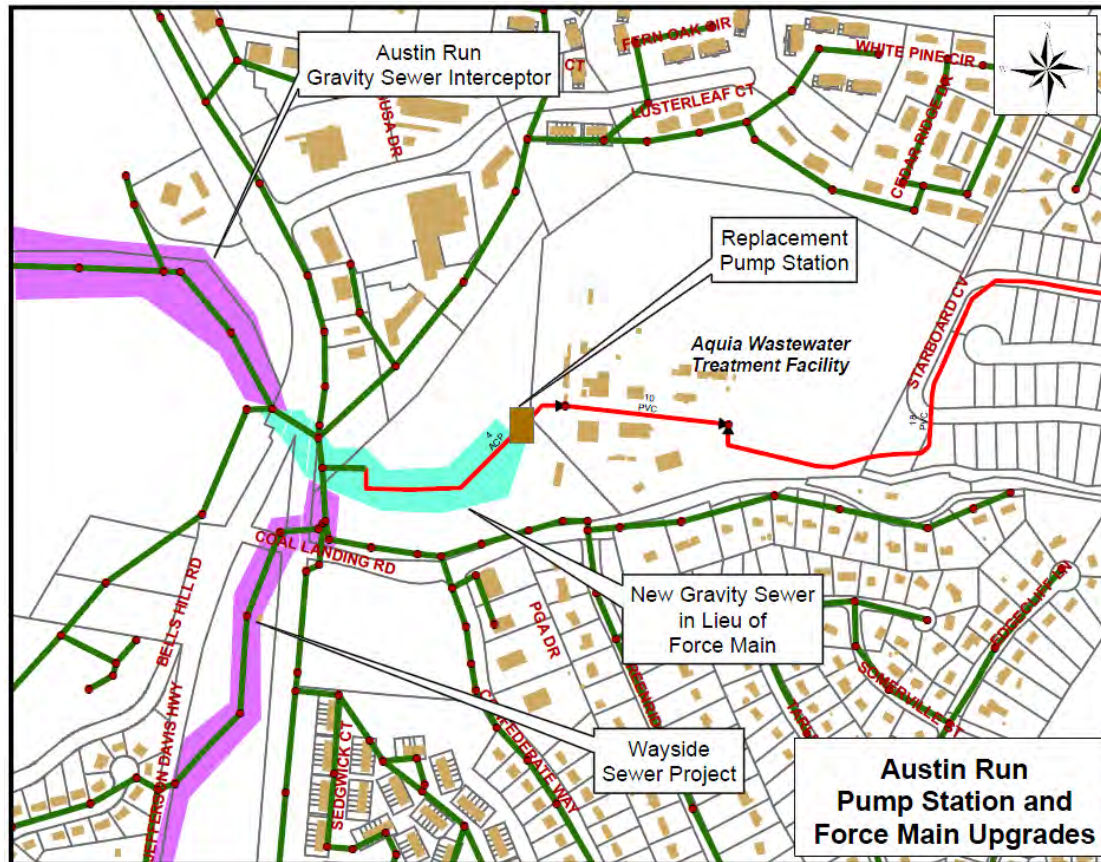
- Bid specifications are under review
- The Infrastructure Plan has been approved by Planning
- One easement is required, and a title search is underway
- This project will be bid with the Austin Run PS Replacement Project

Under Design

Stafford's Infrastructure Projects

Utilities

Project: Austin Run Pump Station & Gravity Sewer Replacement



Under Design

Stafford's Infrastructure Projects

Utilities

Project: Wayside Sewer Interceptor

Description: Construction of approximately 5,000 feet of 18-inch gravity sewer from Stone River area to the Austin Run Sewer Interceptor. The upper part of this sewer interceptor runs through Seasons Landing from Hope Road.

Project Budget Amount: \$1.2M

Completion Date of Design Phase: June 30, 2011

Expected or Actual Construction Start Date: TBD

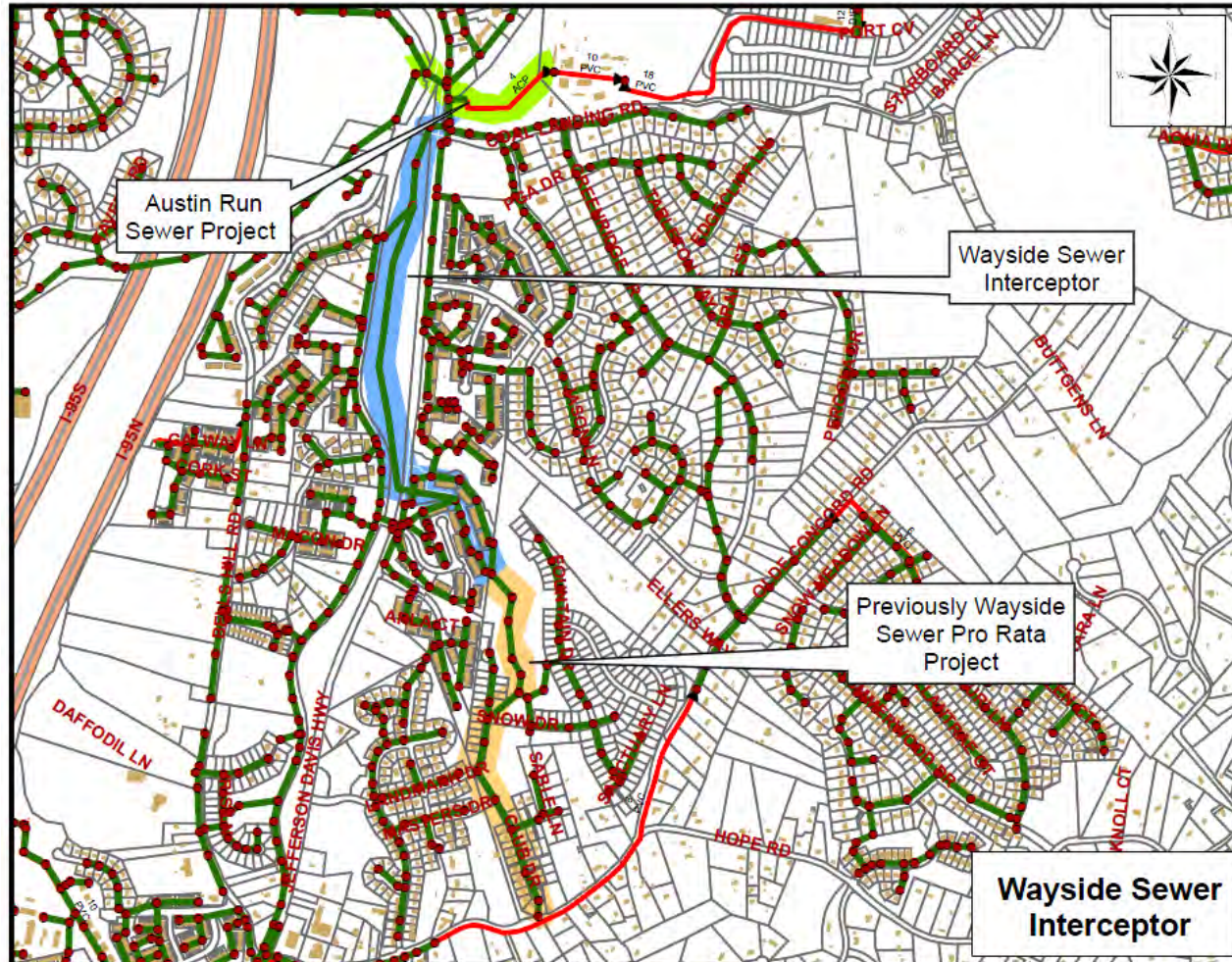
Current Projected Completion Date of Project: August 30, 2013

- Design is 90% complete
- One easement is needed
- Construction will be delayed to coordinate with the schedules for the Austin Run Gravity Sewer and Austin Run PS replacement projects

Stafford's Infrastructure Projects

Utilities

Project: Wayside Sewer Interceptor



Under Design

Stafford's Infrastructure Projects

Utilities

Project: Courthouse Area Water Pressure Zone Improvements

Description: Approximately 5,000 feet of 12-inch water main on Courthouse Road from I-95 to Red Oak Drive and on Wyche Road from Courthouse Road to Venture Drive. Will provide water transmission capacity to move water from the Smith Lake WTF to the Route 1 area south of the courthouse and will improve fire flows in the Wyche Road area.

Project Budget Amount: \$1.308M

Completion Date of Design Phase: June 2011

Expected or Actual Construction Start Date:

Current Projected Completion Date of Project: March 2012

- Project design is complete
- Easement plats and deeds are being revised, and easement acquisition is pending
- A meeting has been requested with VDOT staff to discuss coordination with the I-95/Rt. 630 interchange project

Under Design



Stafford's Infrastructure Projects

Utilities

Project: Route 1 North Sewer Line

Description: Approximately 4,400 feet of 18-inch gravity sewer along and parallel to Route 1. Will replace deteriorated gravity sewer and provide additional capacity to move wastewater from the northern part of the county toward the Aquia Creek PS at Route 1 and Telegraph Road.

Project Budget Amount: \$2.442M

Completion Date of Design Phase: July 2011

Expected or Actual Construction Start Date: Autumn 2011

Current Projected Completion Date of Project: July 2012

- The project design has been coordinated with the infrastructure needs for the Boswell's Corner Redevelopment Area Plan
- Staff met with the owner of Guinn's Mobile Home Park to discuss alignment changes to facilitate future development of the property
- Design revisions are underway

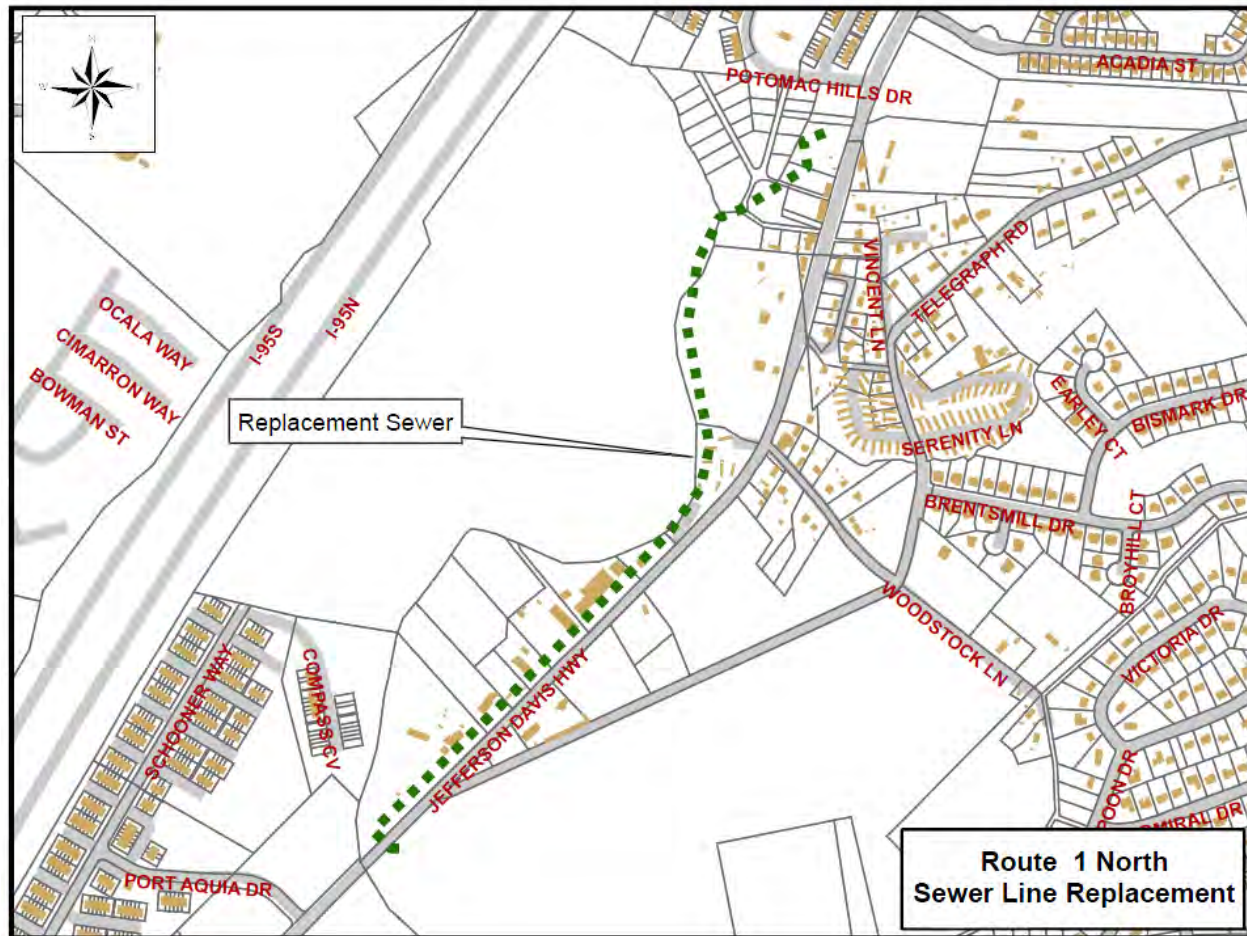
Under Design



Stafford's Infrastructure Projects

Utilities

Project: Route 1 North Sewer Line



Under Design

Stafford's Infrastructure Projects

Utilities

Project: Falls Run Sewer Interceptor Replacement, Phase I

Description: Replacement of approximately 12,200 feet of deteriorated 18-inch sewer main with 42-inch, 36-inch, and 30-inch pipe along Falls Run from the Falls Run PS at Washington Street in Falmouth to I-95.

Project Budget Amount: \$6.068M

Completion Date of Design Phase: June 2011

Expected or Actual Construction Start Date: October 2011

Current Projected Completion Date of Project: October, 2012

- The design phase for this project is complete.
- All of the 53 individual easements have been acquired and recorded.
- Final signature set plans have been received from Planning.
- The DEQ Certificate-to-Construct application was submitted in April.
- Specifications are being reviewed by in-house engineering staff.
- This project is expected to be put out to bid with the Falls Run Pump Station Odor Control project in June 2011.

Under Design

Stafford's Infrastructure Projects

Falls Run Sewer Replacement

Utilities



Stafford's Infrastructure Projects

Utilities

Project: Claiborne Run Sewer Interceptor Replacement

Description: Replacement of approximately 2,100 feet of deteriorated 18-inch sewer with 42-inch ductile iron pipe near Cool Spring Road and Deacon Road. Project will provide capacity to meet build-out flows.

Project Budget Amount: \$2.95M

Completion Date of Design Phase: June 2011

Expected or Actual Construction Start Date: Late Summer 2011

Current Projected Completion Date of Project: June 30, 2012

- All of the 9 individual easements have been acquired and recorded.
- The DEQ Certificate-to-Construct application was submitted in April.
- The design plans are currently under their second plan review.
- Specifications are being reviewed by in-house engineering staff.



Stafford's Infrastructure Projects

Claiborne Run Sewer Replacement

Utilities



Stafford's Infrastructure Projects

Utilities

Claiborne Run Erosion Issues



Stafford's Infrastructure Projects

Utilities

Project: Celebrate Virginia Water Tank

Description: Construction of a 1.0 MG elevated water tank on Greenbank Road in Celebrate Virginia near Banks Ford Parkway to replace the existing Berea Tank at Dominion Virginia Power

Project Budget Amount: \$2.147M

Completion Date of Design Phase: July 2011

Expected or Actual Construction Start Date: September 2011

Current Projected Completion Date of Project: Spring 2012

- Silver has verbally agreed to sell the site
- Subdivision plat is under review
- Plans are under review at VDH and Planning

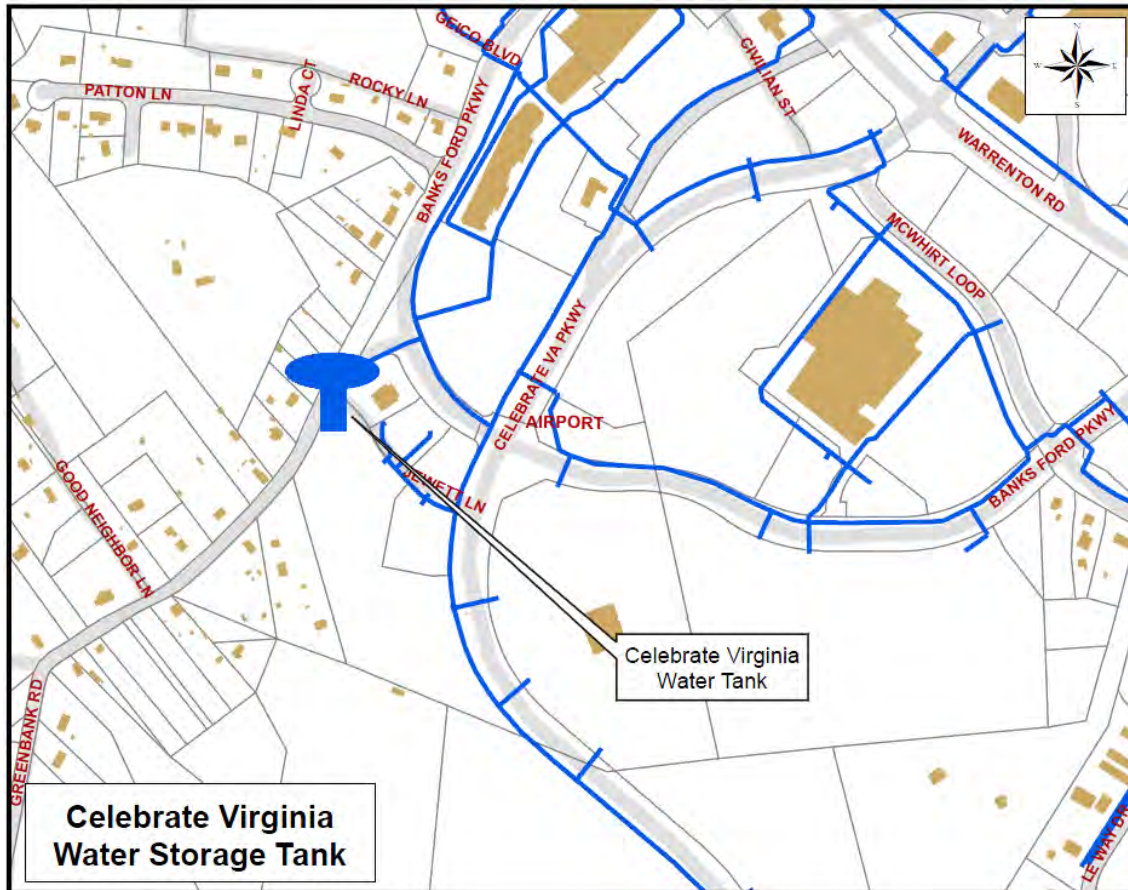
Under Design



Stafford's Infrastructure Projects

Utilities

Project: Celebrate Virginia Water Tank



Under Design

Stafford's Infrastructure Projects

Utilities

Project: 310 Water Pressure Zone Improvements

Description: Approximately 1,205 feet of 12-inch water line to loop Hampton Oaks at Brittany Lane to Austin Ridge at Lafayette Street

Project Budget Amount: \$0.401M

Completion Date of Design Phase: March 2011

Expected or Actual Construction Start Date: July 2011

Current Projected Completion Date of Project: December 2011

- The design phase of this project is complete.
- Both of the 2 easements have been acquired and recorded.
- Final signature set plans have been received from Planning.
- Virginia Department of Health local review certification letter submitted in April.
- Specifications are being reviewed by in-house engineering staff.

Under Design



Stafford's Infrastructure Projects

Utilities

Project: North Stafford Industrial Park Pump Station Replacement

Description: Replacement of existing pump station due to deterioration. Currently pumps through the force main along Route 1 to the Courthouse area. New station will pump into the Upper Accokeek sewershed, which will reduce energy consumption and free up capacity in the Route 1 force main. Will include 1,729 feet of 6-inch force main from the pump station to connect with the existing force main from the Upper Accokeek Pump Station

Project Budget Amount: \$0.670M

Completion Date of Design Phase: July 2011

Expected or Actual Construction Start Date: August 2011

Current Projected Completion Date of Project: March 2012

- A resolution to approve a design services contract is on the May 3, 2011, Board agenda.

Under Design

Stafford's Infrastructure Projects

Utilities

North Stafford Industrial Park Pump Station



Stafford's Infrastructure Projects

Utilities

Project: Oaks of Stafford Pump Station Replacement

Description: Replacement of existing pump station due to equipment and concrete structure having reached the end of useful lives. Projected flows are expected to exceed the current pump station capacity soon.

Project Budget Amount: \$0.460M

Completion Date of Design Phase: March 2012

Expected or Actual Construction Start Date: June 2012

Current Projected Completion Date of Project: June 2013

- A resolution to approve a design services contract has been submitted for the May 17, 2011, Board agenda.

Stafford's Infrastructure Projects

Oaks of Stafford Pump Station

Utilities



Stafford's Infrastructure Projects

Utilities

Project: Ebenezer Church Pump Station

Description: Replacement of existing pump station due to deterioration beyond the feasibility of repair, aging equipment and need to replace to avoid overflows. Current site is inadequate and project will require acquisition of additional land adjacent to existing site.

Project Budget Amount: \$0.925M

Completion Date of Design Phase: March 2012

Expected or Actual Construction Start Date: June 2012

Current Projected Completion Date of Project: June 2013

- A resolution to approve a design services contract has been submitted for the May 17, 2011, Board agenda.



Stafford's Infrastructure Projects

Utilities

Ebenezer Church Pump Station



Stafford's Infrastructure Projects

Utilities

Project: Old Route 3 Pump Station Replacement

Description: Replacement of existing pump station that has deteriorated and is allowing groundwater to enter the structure. Mechanical equipment is dated and in need of replacement. New pump station will consist of a new concrete wetwell constructed above the flood plain with an above-ground, suction lift pump station.

Project Budget Amount: \$0.725M

Completion Date of Design Phase: March 2012

Expected or Actual Construction Start Date: June 2012

Current Projected Completion Date of Project: June 2013

- A resolution to approve a design contract is on the Board's May 3, 2011 agenda.
- Adjacent landowner has signed an agreement to allow an easement for the proposed new pump station footprint.

Under Design



Stafford's Infrastructure Projects

Utilities

Old Route 3 Pump Station



Stafford's Infrastructure Projects

Utilities

Project: Odor Assessment & Control Project – Falls Run Pump Station

Description: Design and construction of an odor control system for the Falls Run PS to eliminate chronic odor problems in the Falmouth Bottom area.

Project Budget Amount:

Completion Date of Design Phase: June 10, 2011

Expected or Actual Construction Start Date: September 2011

Current Projected Completion Date of Project: August 30, 2012

- Feasibility study complete
- 30% design plans were received on April 8, 2011 for the odor control system
- The construction of this project will be combined with the Phase I Falls Run Sewer Interceptor Replacement Project.

Under Design

Stafford's Infrastructure Projects

Utilities

Falls Run SPS - Typical Biofilter Unit by Envirogen Technologies



Stafford's Infrastructure Projects

Utilities

Project: Courthouse Area Water Tank

Description: A new 1.0 MG elevated water tank to replace the existing 0.25 MG tank at Paradise Mobile Home Park to provide improved water pressure and fire flows in the Courthouse area.

Project Budget Amount: \$2.147M

Completion Date of Design Phase: June 2012

Expected or Actual Construction Start Date: July 2013

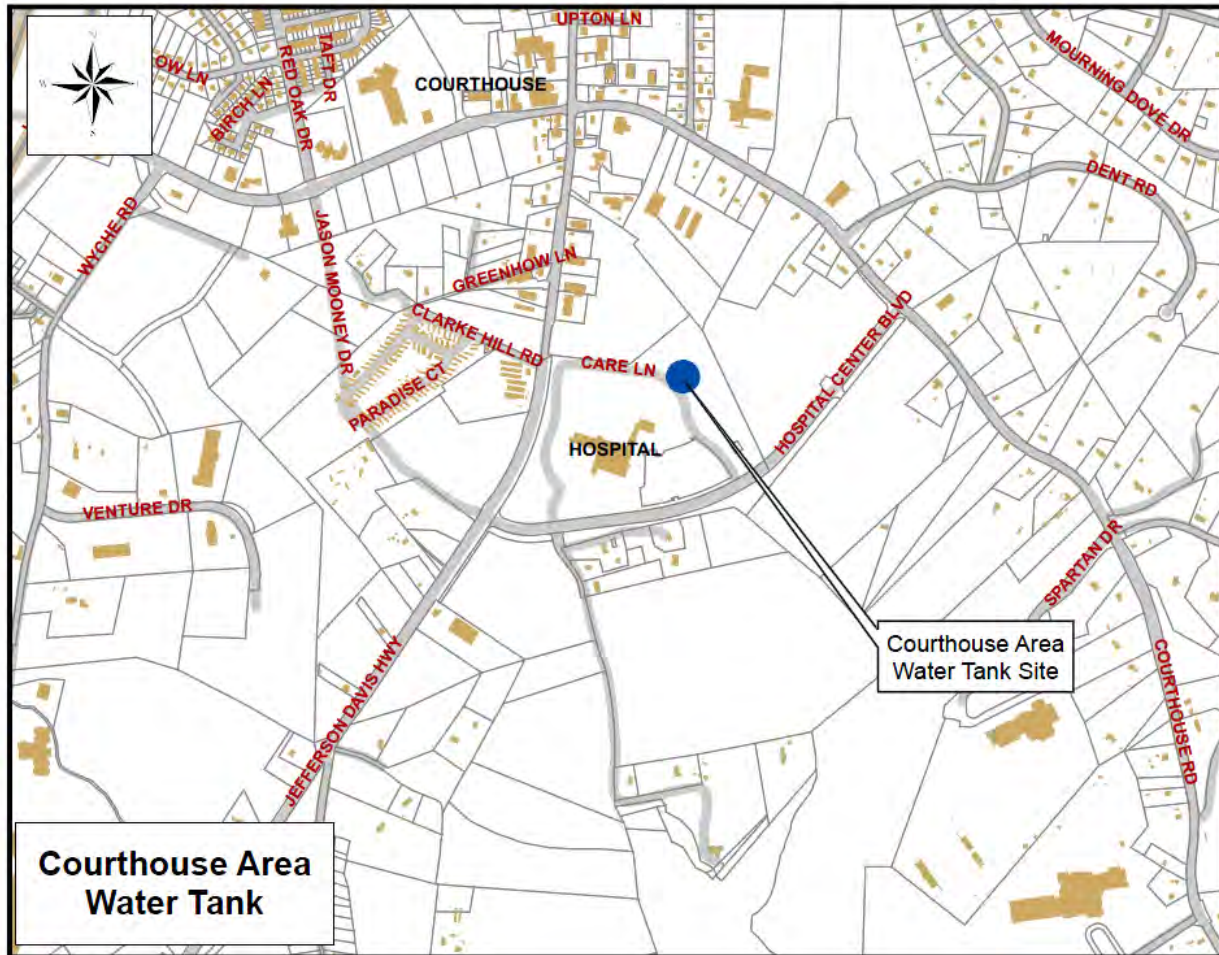
Current Projected Completion Date of Project: June 30, 2012

- An optimum site has been identified near hospital
- A second offer letter has been sent to the property owner
- Project must be coordinated with Embrey Mill pump station

Stafford's Infrastructure Projects

Utilities

Project: Courthouse Area Water Tank



Stafford's Infrastructure Projects

Utilities

Project: Falls Run Force Main

Description: New force main from existing Falls Run Pumping Station

Project Budget Amount: \$2.401M

Completion Date of Design Phase: June 2013

Expected or Actual Construction Start Date: September 2013

Current Projected Completion Date of Project: September 2014

- Will provide interim increase in capacity at Falls Run pump station
- Pump station replacement scheduled for FY 2016



Stafford's Infrastructure Projects

Utilities

Project: Centreport Water Tank

Description: New 1MG elevated water storage tank to serve the Centreport area

Project Budget Amount: \$2.439M

Completion Date of Design Phase: December 2012

Expected or Actual Construction Start Date: March 2013

Current Projected Completion Date of Project: April 2014

- FAA applications have been submitted
- Project will be coordinated with 370N Pressure Zone booster pump station



Stafford's Infrastructure Projects

Utilities

Project: 370N Pressure Zone Booster Pump Station

Description: New pump station to serve the Centreport area

Project Budget Amount: \$0.634M

Completion Date of Design Phase: December 2012

Expected or Actual Construction Start Date: March 2013

Current Projected Completion Date of Project: December 2013

- Final design parameters will be taken from Master Plan update
- Easement for new site to be recorded



Stafford's Infrastructure Projects

Utilities

Project: Update Water and Sewer Masterplan

Description: Revise 2006 Water and Sewer Master Plan

Project Budget Amount: \$150,000

Completion Date of Design Phase: March 2012

Expected or Actual Construction Start Date: N/A

Current Projected Completion Date of Project: N/A

- Recalculation of Water and Sewer flows based upon new Land Use plan
- Determine Water and Sewer Infrastructure to support new Land Use plan
- May result in revised CIP for FY2012 and beyond

Stafford's Infrastructure Projects

Utilities

Project: Neighborhood Projects

Description: Extensions of water and sewer systems to serve existing residents

Project Name	Project Status
England Run Lane Water	Complete
Woodstock Road Sewer	Complete
Little Whim 3 Water & Sewer	Complete
Roseville Plantation Water	Under Construction
Garrisonville Road Water	VDOT- Under Construction
Ringgold Road Sewer	Pending Advertisement
Sanford Drive Sewer	Pending Advertisement
St George's Sewer	Pending Advertisement
Krieger Lane Water	Design
Telegraph Road Sewer	Design
Miracle Valley Sewer	Design
Vernon Street Sewer	Design
Forest Lane Water	Design
Charlie's Lane Sewer	Design
Wyne Drive Sewer	On Hold
Decatur Road Water	Cancelled
Lorenzo Drive Water	Cancelled
Coal Landing Road Water	Cancelled

