

Chain Bridge Road Sidewalk Improvements

Citizen Outreach Meeting

June 16, 2016



Project Location



Project Objectives

- Provide a continuous pedestrian facility (sidewalk) connection from Downtown City of Fairfax to Rust Hill Place
- Eliminate existing erosion/drainage problems and roadside hazards along the west side of Chain Bridge Road within the project limits
- Provide a context-sensitive design solution that preserves the character of Rust Curve and provides a gateway to the Downtown area

Existing Conditions



Existing Conditions



Existing Conditions



Existing Conditions



Preliminary Design Overview

- Pedestrian Facilities (Sidewalk)
 - Americans with Disabilities Act (ADA) compliant sidewalk, curb ramps, and entrance crossings
 - Sidewalk width of 6'
 - Variable width landscape buffer
- Drainage Improvements
 - Curb & gutter and storm sewer system to replace existing roadside ditch, erosion problems, and roadside hazards
- Utilities
 - Removal of existing utility poles (west side of road)
 - Upgrade/replacement of existing waterline

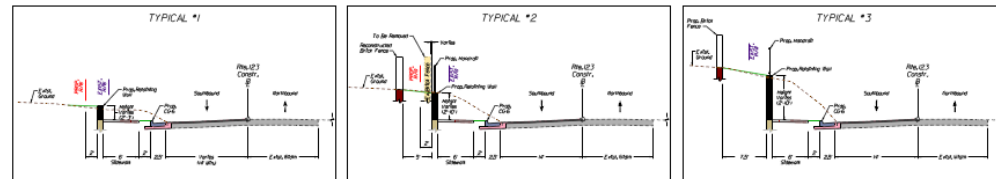
Preliminary Design Overview

- Retaining Wall Construction
 - Required between sidewalk and private properties to minimize property impacts
 - Aesthetic treatment to enhance visual appearance (brick)
 - Variable Height (2' to 10')
- Property Impacts
 - Primarily Temporary Construction Easements
 - Permanent Easements required on two properties
 - Existing trees and landscaping along the roadway frontage

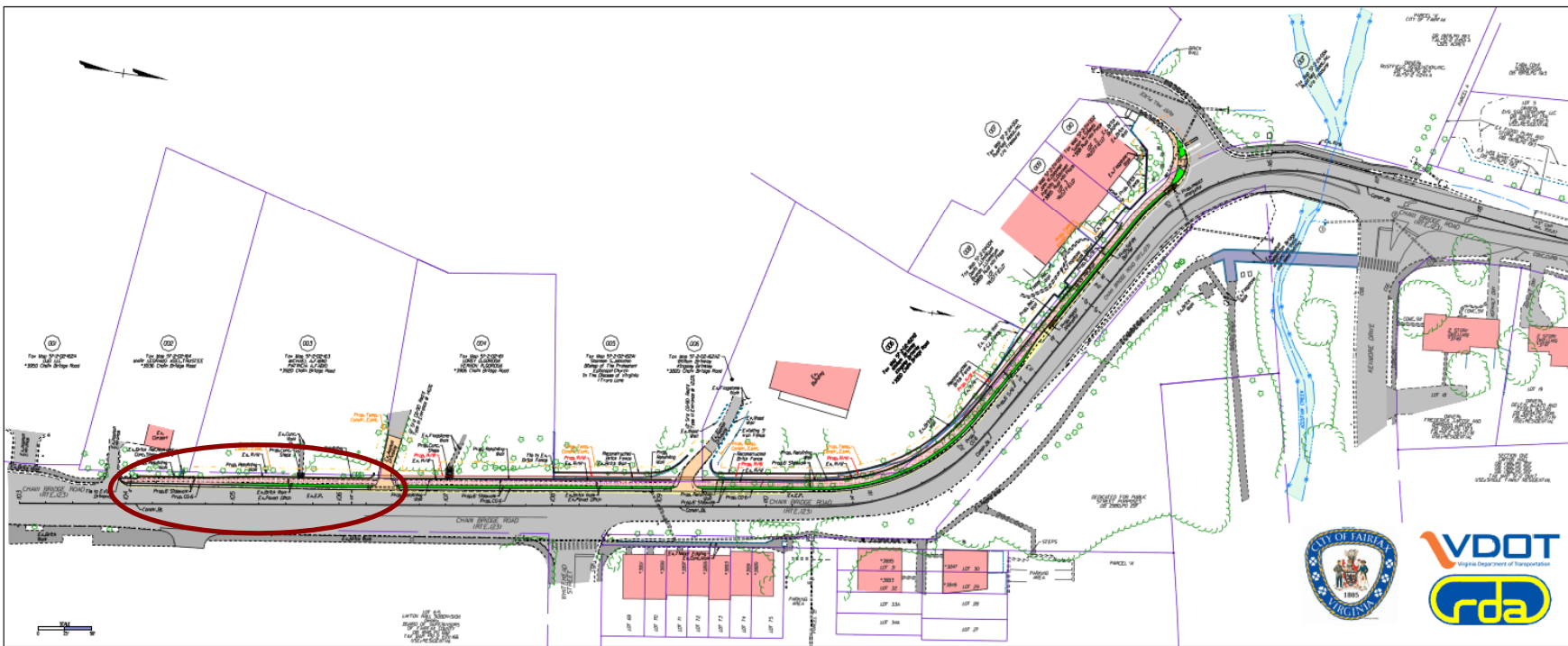
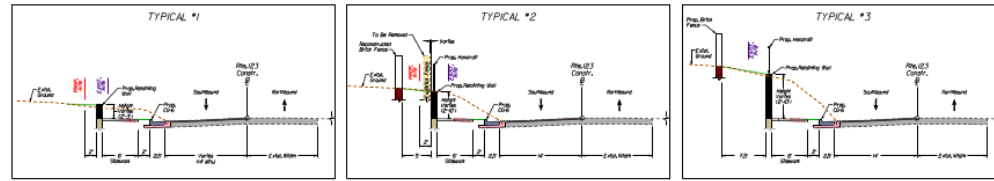
Preliminary Design Overview

- Safety Considerations
 - Buffer between sidewalk and curb
 - 6' sidewalk adjacent to retaining wall
 - Barrier between roadway and sidewalk at northern project limits
 - Pedestrian lighting
- Project Aesthetics
 - Treatment for retaining wall
 - Lighting
 - Landscaping
 - Replacement of impacted trees/landscaping/existing fences and walls

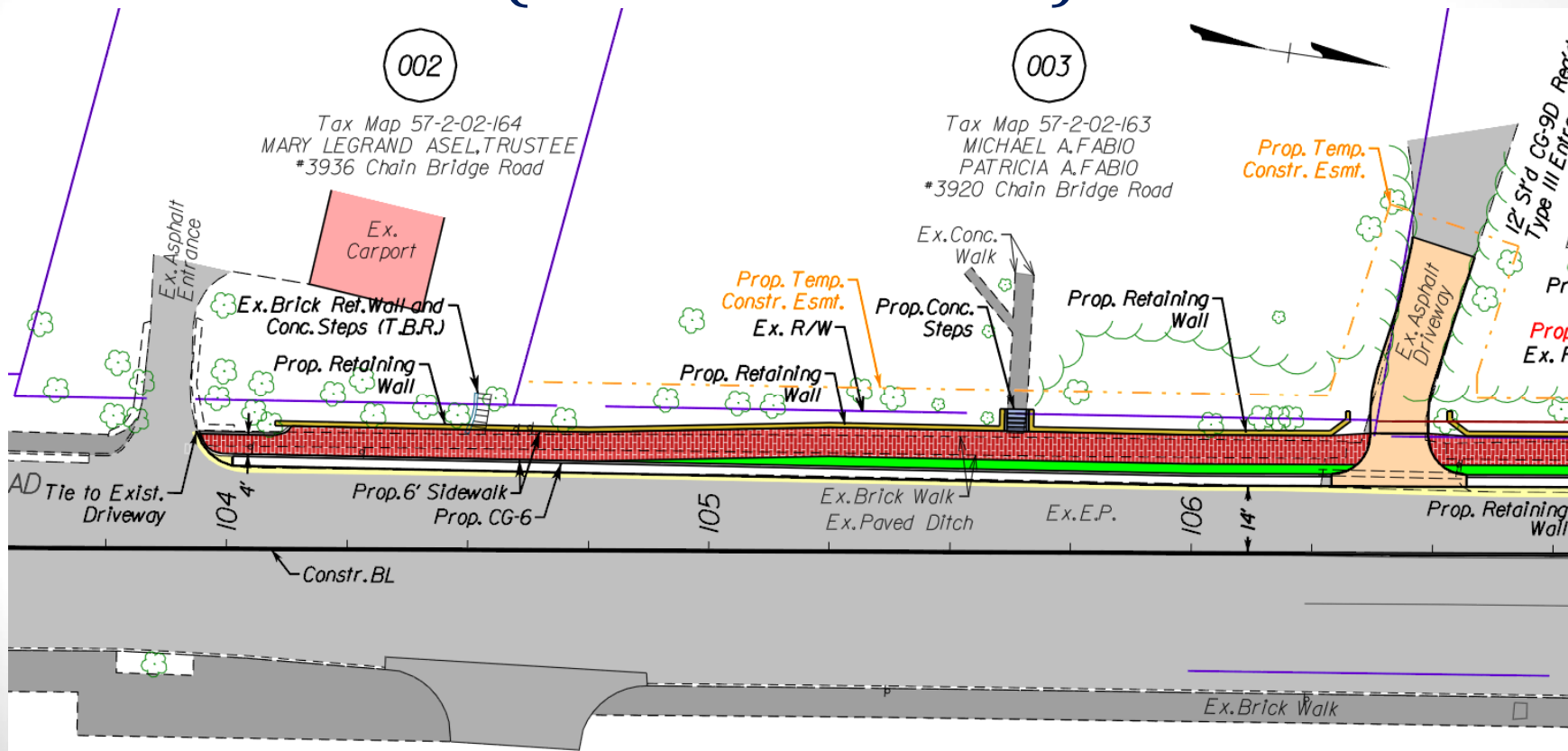
VDOT # 0123-151-170 ; UPC 104295
Chain Bridge Road (Rte. 123) Sidewalk



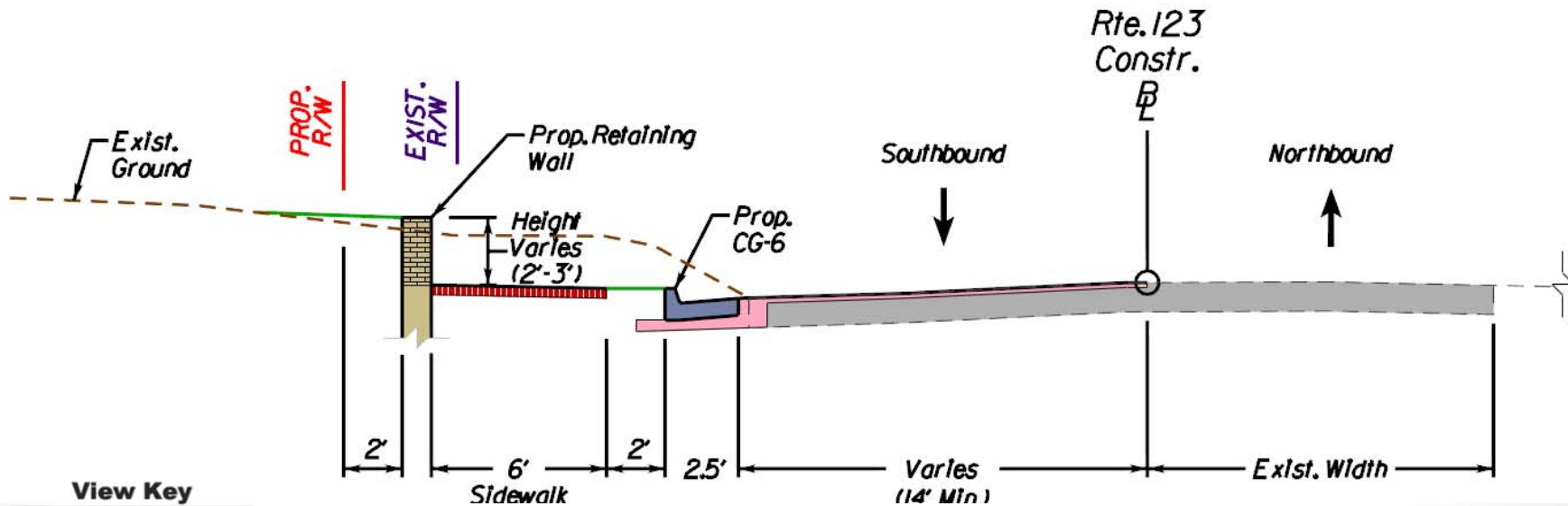
VDOT # 0123-151-170 ; UPC 104295
Chain Bridge Road (Rte. 123) Sidewalk



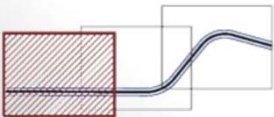
Plan View (Parcel 002 & 003)



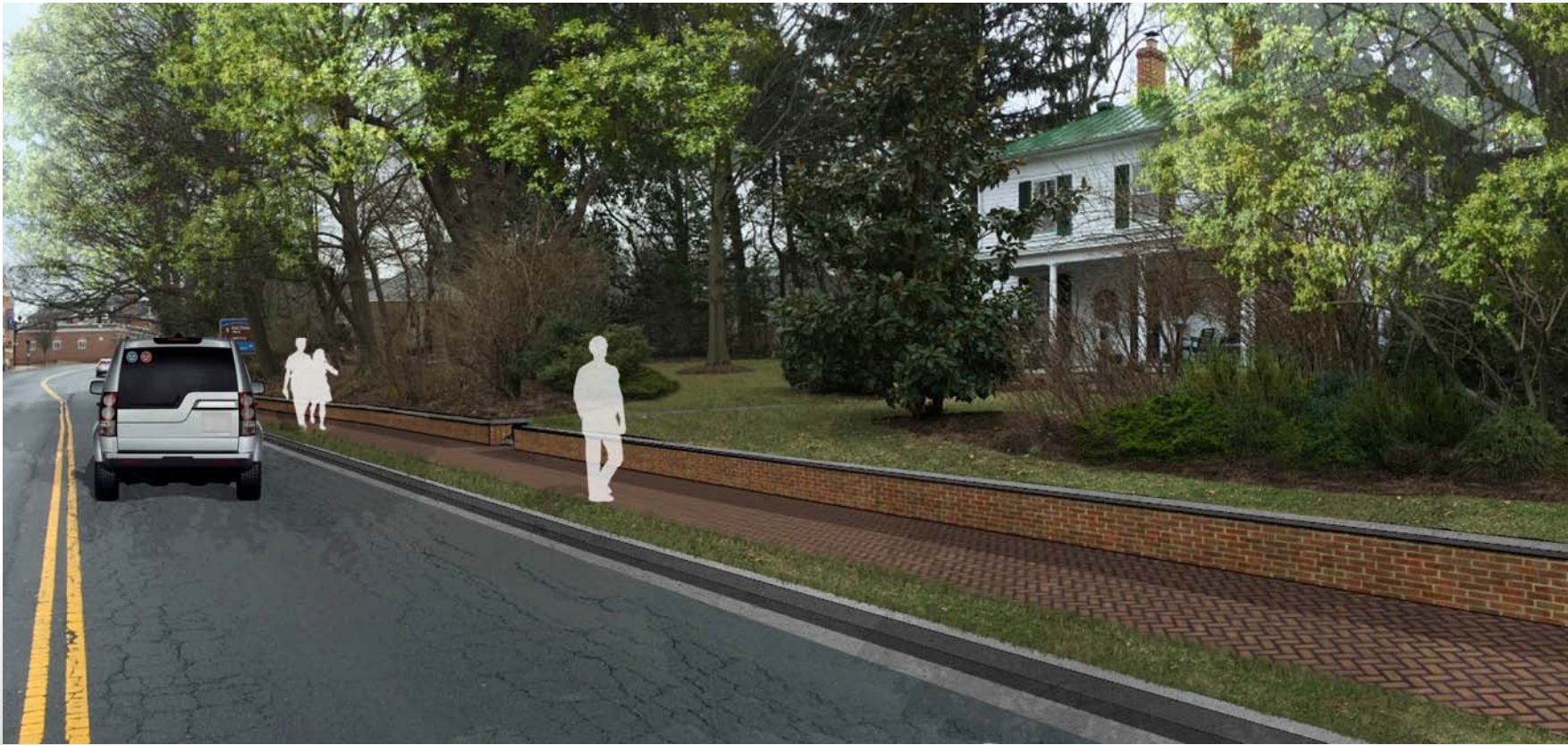
Typical Section (Southern End of Project)



View Key



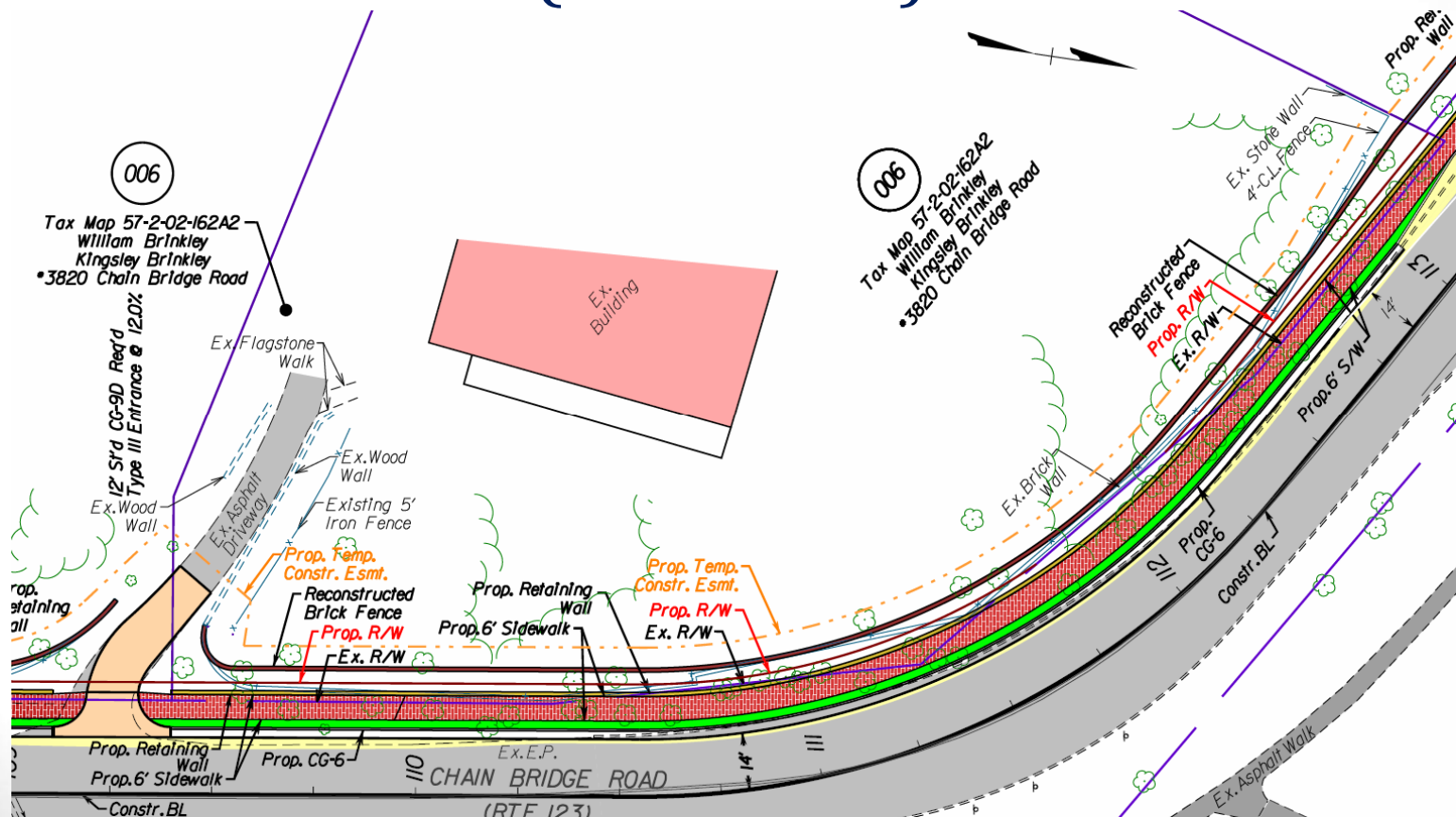
Conceptual Plan — Renderings



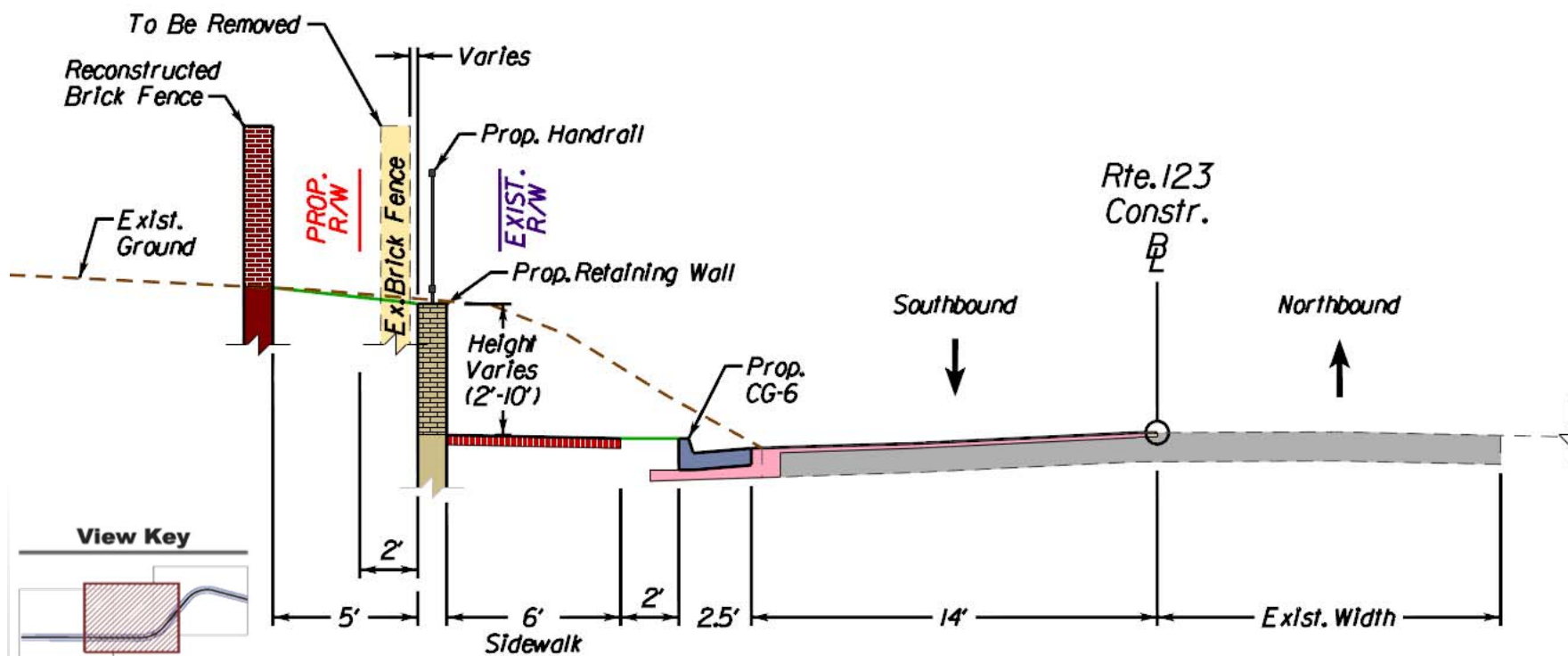
Conceptual Plan — Renderings



Plan View (Parcel 006)



Typical Section (Middle Section of Project)



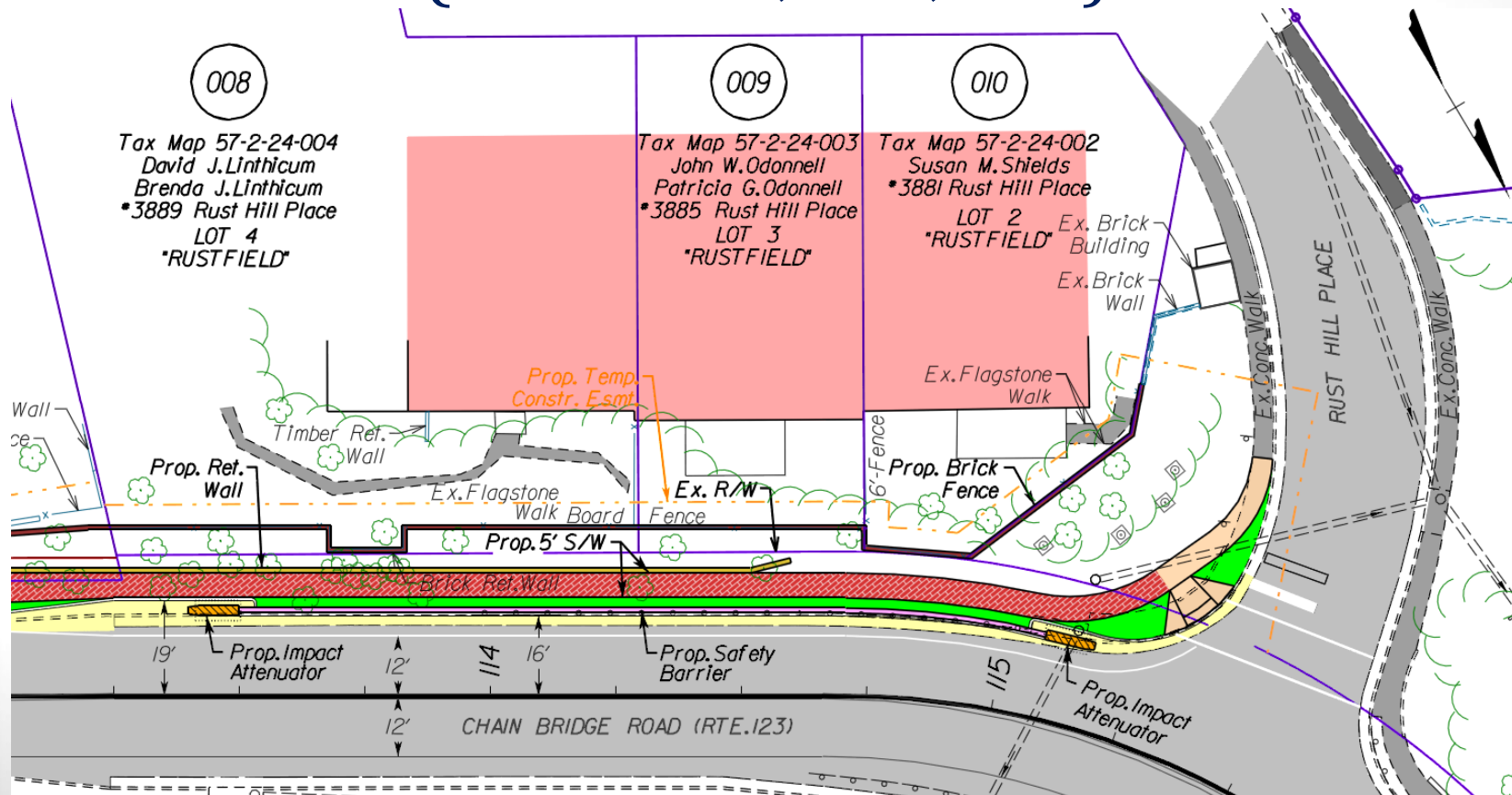
Conceptual Plan – Renderings



Conceptual Plan – Renderings



Plan View (Parcel 008, 009, 010)



Conceptual Rendering – Facing South



Safety Barrier at North End

- Replace existing guardrail with barrier
- Aesthetic treatment similar to barrier on Route 123 bridge



Preliminary Lighting Plan

- Proposed Gas Street Lights per City of Fairfax PFM to match street lighting in adjacent areas.



Preliminary Lighting Plan

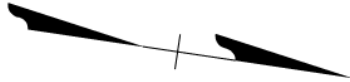
- 25 Total Street Lights proposed from parking lot entrance of Moore-McCandlish House to Rust Hill Place.
- Spaced 45'-55' along the west side of Chain Bridge Road.



Cultural Resource Survey



- Architectural Survey Completed
- Archaeological Survey Completed
 - 23 Shovel Test Pits (STP) Performed
 - 2 archaeological sites identified
 - No intact features or buried surfaces identified at either site
- Recommendation of “No Adverse Effect” submitted to Virginia Department of Historic Resources (VDHR) April 2016



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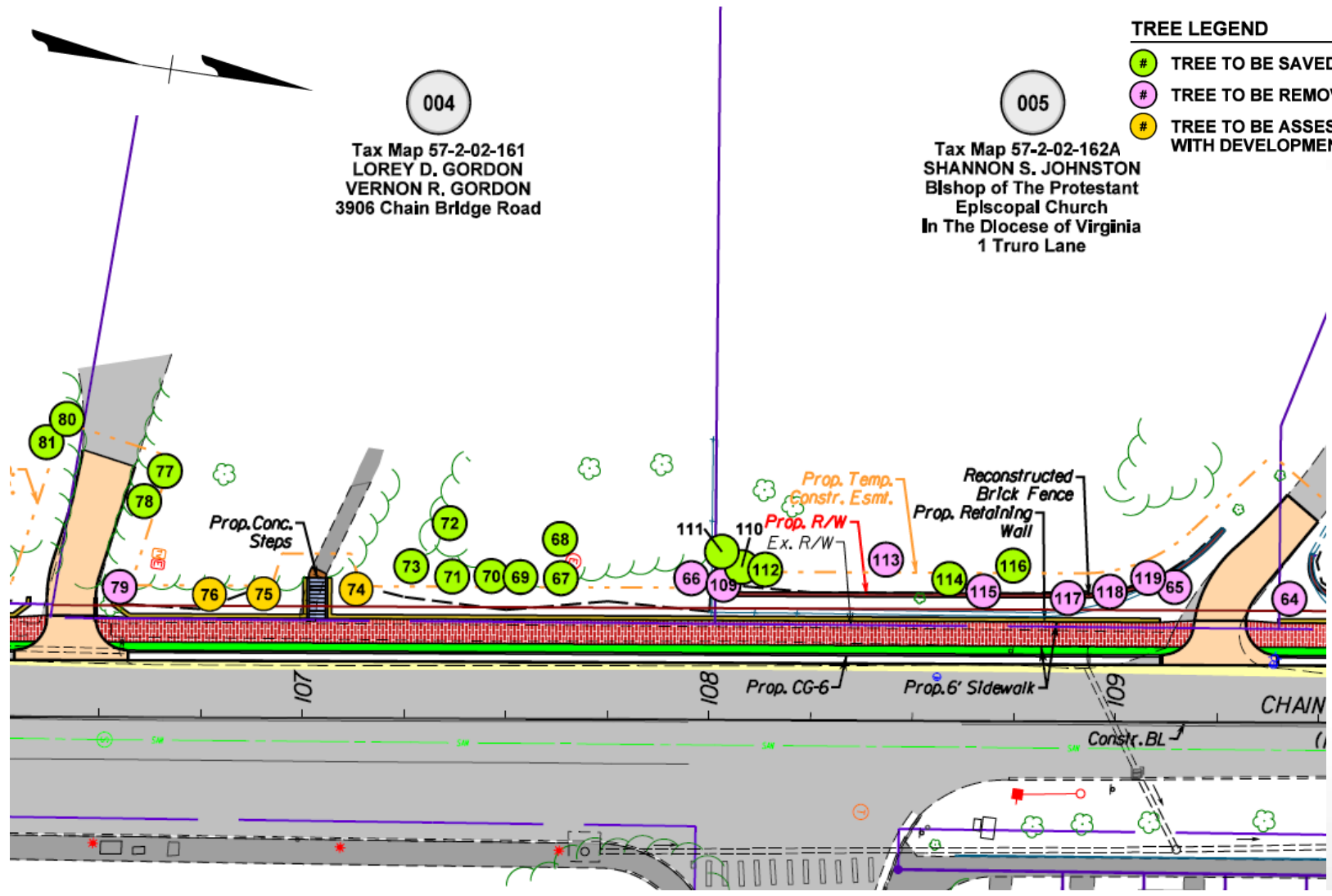
Tax Map 57-2-02-161
LOREY D. GORDON
VERNON R. GORDON
3906 Chain Bridge Road

005

Tax Map 57-2-02-162A
SHANNON S. JOHNSTON
Bishop of The Protestant
Episcopal Church
In The Diocese of Virginia
1 Truro Lane

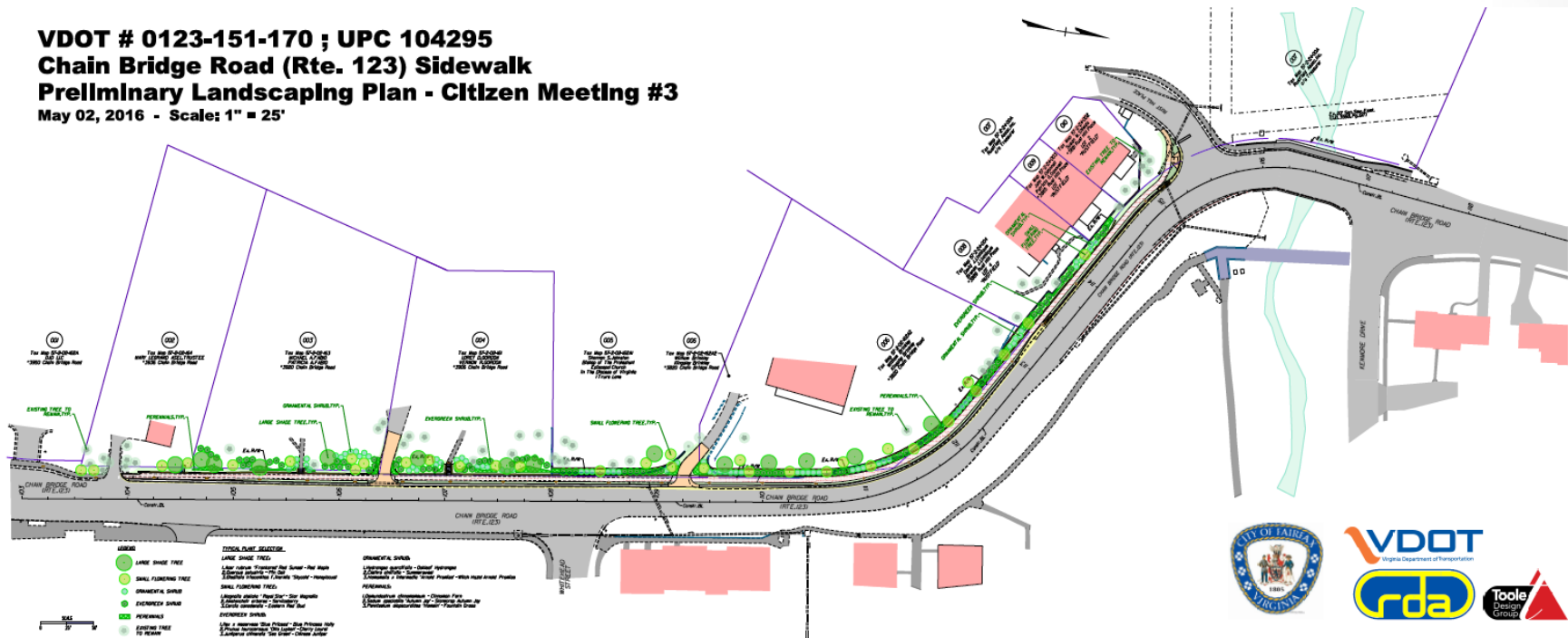
TREE LEGEND

- # TREE TO BE SAVED
- # TREE TO BE REMOVED
- # TREE TO BE ASSESSED FURTHER WITH DEVELOPMENT OF DESIGN



Preliminary Planting Plan

VDOT # 0123-151-170 ; UPC 104295
Chain Bridge Road (Rte. 123) Sidewalk
Preliminary Landscaping Plan - Citizen Meeting #3
 May 02, 2016 - Scale: 1" = 25'



Preliminary Planting Plan

LEGEND

-  LARGE SHADE TREE
-  SMALL FLOWERING TREE
-  ORNAMENTAL SHRUB
-  EVERGREEN SHRUB
-  PERENNIALS
-  EXISTING TREE TO REMAIN

TYPICAL PLANT SELECTION

LARGE SHADE TREE:

1. *Acer rubrum* 'Franksred' Red Sunset - Red Maple
2. *Quercus palustris* - Pin Oak
3. *Gleditsia triacanthos f. Inermis* 'Skycole' - Honeylocust

SMALL FLOWERING TREE:

1. *Magnolia stellata* 'Royal Star' - Star Magnolia
2. *Amelanchier arborea* - Serviceberry
3. *Cercis canadensis* - Eastern Red Bud

EVERGREEN SHRUB:

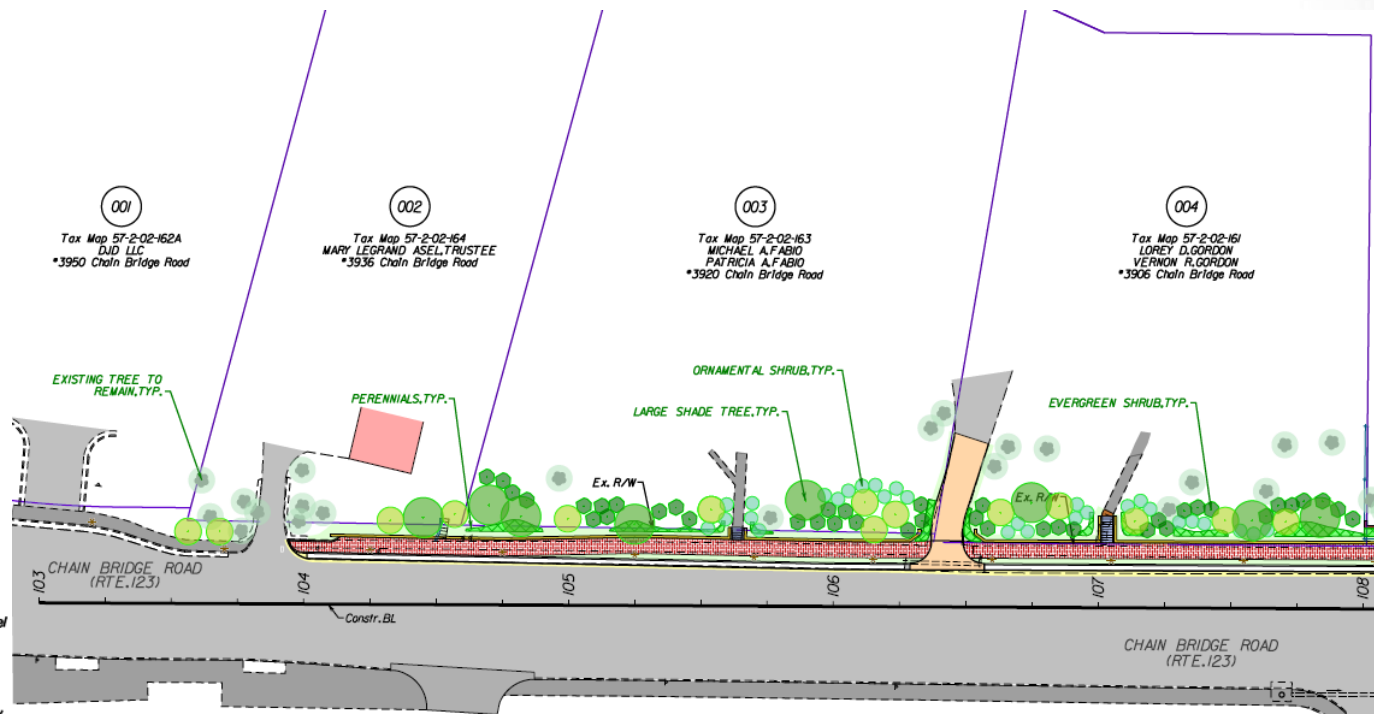
1. *Ilex x meserveae* 'Blue Princess' - Blue Princess Holly
2. *Prunus laurocerasus* 'Otto Luyken' - Cherry Laurel
3. *Juniperus chinensis* 'Sea Green' - Chinese Juniper

ORNAMENTAL SHRUB:

1. *Hydrangea quercifolia* - Oakleaf Hydrangea
2. *Clethra alnifolia* - Summersweet
3. *Hamamelis x Intermedia* 'Arnold Promise' - Witch Hazel
Arnold Promise

PERENNIALS:

1. *Osmundastrum cinnamomeum* - Cinnamon Fern
2. *Sedum spectabile* 'Autumn Joy' - Stonecrop Autumn Joy
3. *Pennisetum alopecuroides* 'Hameln' - Fountain Grass



Typical Plant Selection

- Variety of plantings available
 - Grasses and Perennials
 - Evergreen Shrubs
 - Ornamental Shrubs
 - Small Flowering Trees
 - Large Shade Trees
- Coordination with individual property owners to occur during final design

Project Aesthetics

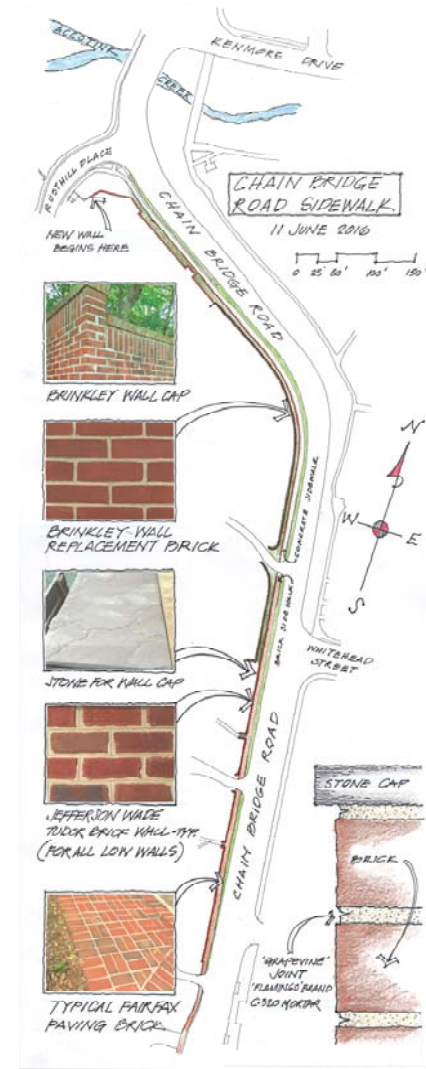
- City has consulted with W. Douglas Gilpin, Jr., Historic Architect, for the selection of project materials including brick types.



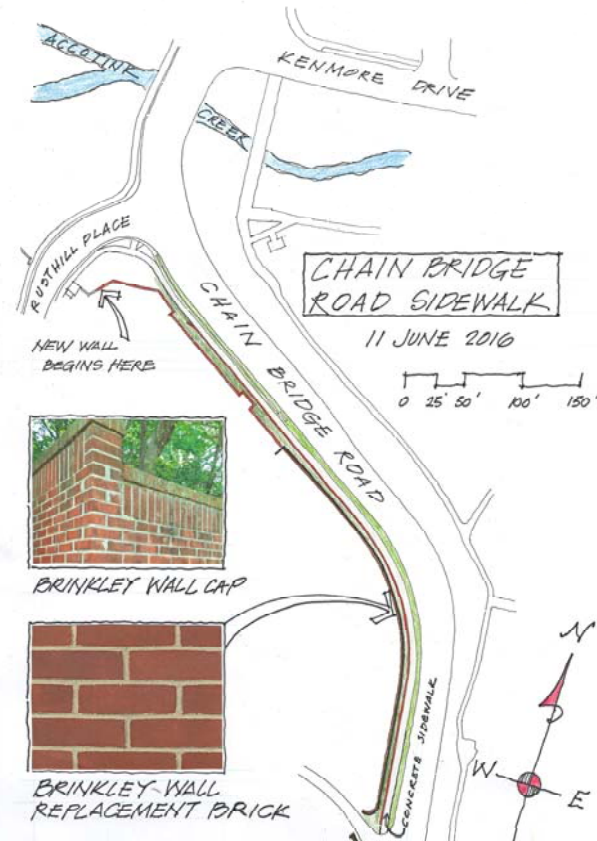
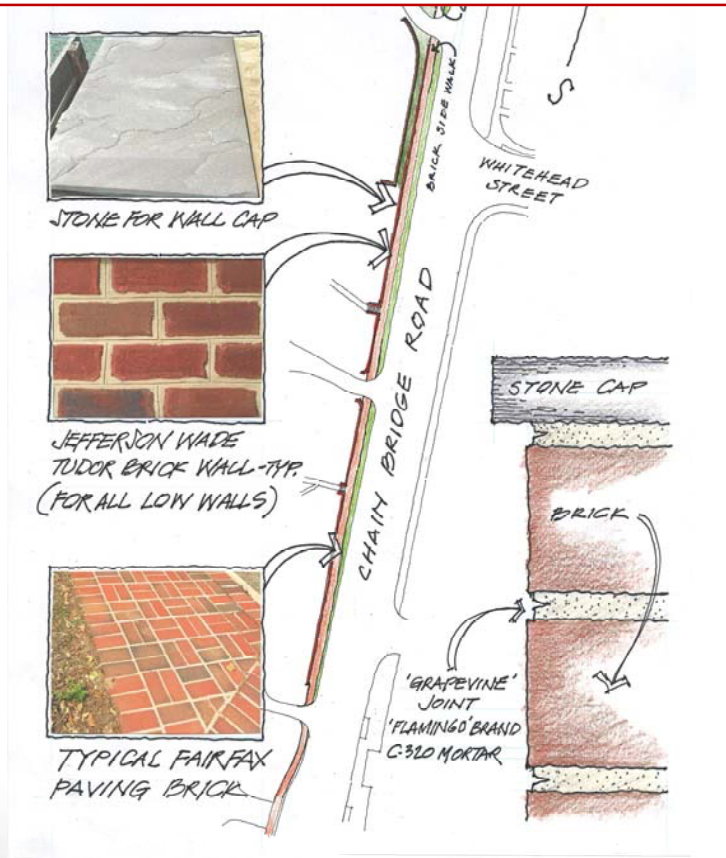
Cap: Lilac Stone



Ret. Wall: Jefferson Wade Tudor



Project Aesthetics



Project Aesthetics



Jefferson Wade Tudor Brick

- Recommended for Retaining Wall and Replacement Rust Field Fence

Project Aesthetics



Huntington Grey Stone

- Recommended for pedestrian barrier



Project Estimate

- Current Project Estimate is \$2.95 M
 - Includes Engineering, Right of Way, Utilities, & Construction

- Current Project Funding:

- RSTP (Federal):	\$318,317
- Revenue Sharing (State):	\$1,116,000
- <u>30% NVTA (Local Match):</u>	<u>\$1,116,000</u>
Total:	\$2,550,317

Proposed Project Schedule

- May 2016 – City Council Work Session
- **June 2016 – Community Meeting**
- September 2016 – Formal Public Hearing
- Fall/Winter 2016 - Finalize Design
- Spring 2017 – Acquire Right of Way/Easements
- Summer 2017 – Utility Relocations
- Fall 2017 – Advertise Project for Construction
- Winter 2017/2018 – Construct Project

Questions?