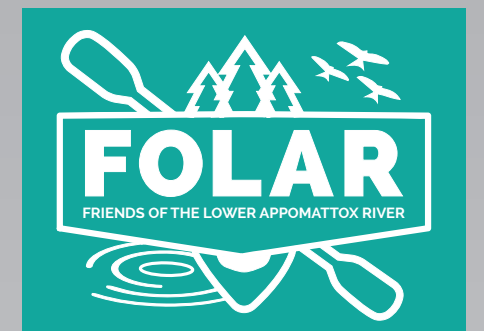




Appomattox River Trail Master Plan



PART II: Signage Master Plan





Signage Master Plan

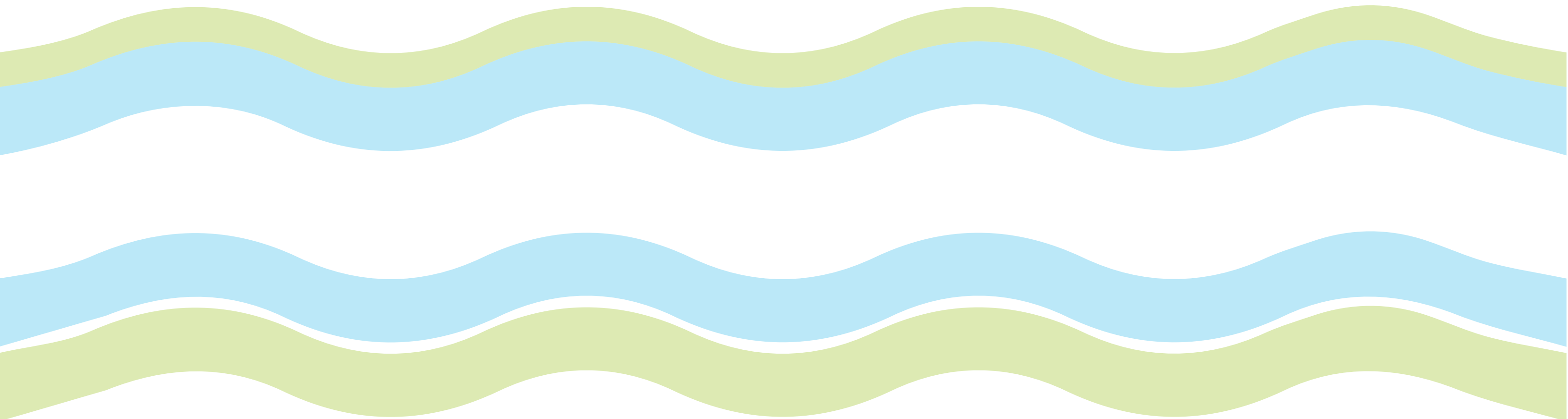


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General Standards





Goals of the Signage Master Plan

We are pleased to present the Appomattox River Trail Signage Master Plan.

Signage Master Plan Standards Guidelines

In developing these Signage Master Plan standards, we have pursued the following goals and objectives:

- To develop an effective wayfinding system for pedestrians, vehicles, and short-term parking users that functions as an integral part of the trail environment.
- To use wayfinding to express the Appomattox River Trail's unique culture, philosophy, and image as it guides visitors to key destinations.

The wayfinding system will:

- Provide effective wayfinding for pedestrians and vehicles between major destinations throughout the trail.
- Cultivate an overall "Sense of Place" for the community.
- Enhance and reinforce the unique experience for residents and visitors as they navigate the trail.
- Enhance and reinforce the boundaries of the trail with gateway and identity treatments.
- Provide all necessary information in a clear, concise, and minimal manner, while not adding to visual clutter.
- Be cost effective.
- Be programmed and designed for phased implementation.
- Allow for ease of updating and maintenance.

One of the fundamental objectives of the Signage Master Plan is to clearly convey the identity and whereabouts of the attractions within the Appomattox River Trail.

The Plan proposes to use signage in a consistent manner throughout the Trail in order guide visitors in a systematic fashion. This has the dual advantage of

promoting the Trail and the diverse attractions within it. An effective signage/wayfinding system functions not as a separate entity but as an integral part of its environment. Carefully planned signs communicate essential information while also enhancing the urban environment.

As the visual introduction to the community, signs play a prominent role in defining the trail's identity and boundaries.

The Signage Master Plan comprehensively details the correct use of the typography, colors and the family of signs that comprise the wayfinding system.

Sign materials and finishes have been selected for their longevity. A color family has been selected to provide a comprehensive graphic visual language for the Appomattox River Trail.

The wayfinding system has been designed to help first time and infrequent visitors with wayfinding and to define the trail's boundaries. Arrival Signage is important to establish a "Sense of Place".

Through thoughtful use of this Signage Master Plan, signage and wayfinding will reinforce the link between the trail, the community and the region.

This Signage Master Plan documents the effort to provide a consistent wayfinding approach for municipalities and attractions within the Appomattox River Trail. The standards aim to promote a uniform approach to environmental communications – both in the visual image projected by signage and its content.

The wayfinding system outlined in this Signage Master Plan will provide many advantages to those who may wish or need to specify and procure signage products.

Users will find that this Signage Master Plan provides:

- Instructions on how to specify signage products to address a multitude of communication needs.
- Usage Guidelines for identification, orientation, directional, information, and interpretive signage.
- Assistance in the selection of colors, typefaces, and graphic motifs.
- Information on signage companies in the region that can produce these products.

The Usage Guidelines provide a structure for selecting the specific signage formats that are most applicable for the various types of information that need to be conveyed. Using these communication standards, visitors to the trail will experience consistency and predictability in the ways that wayfinding information is presented to them. This will not only provide a safer environment but one in which the visitors' needs have been anticipated and reflected in the placement and content of signs in the visual environment.

This Signage Master Plan should be used as a basic guide by trail staff and fabricators engaged in the planning, fabrication, installation and maintenance of the sign system. This document provides necessary drawings and details required to implement the Signage Master Plan. Adherence to the standards in this Signage Master Plan will ensure consistency and a common visual language throughout the trail.

This Signage Master Plan is organized into sections:

- General Standards
- Signage Drawings of each sign type
- Placement Guidelines
- Waterway Signs
- Programming
- Usage Guidelines



GENERAL STANDARDS Typefaces

Typefaces

Univers Condensed 57
Univers Bold Condensed 67

Notes

Substitute typefaces are not acceptable.

Univers Condensed 57 is the primary weight. For some signs, Univers Condensed Bold 67 is used to emphasize lines of type.

No other weights or versions of the fonts are acceptable, nor is it to be electronically distorted vertically or horizontally. Some kerning and tracking may need to be adjusted in certain instances to achieve optical evenness; tracking should generally be set at 20 (twenty) for vehicular signs and 20 for pedestrian signs unless noted otherwise. It may be adjusted to 0 when necessary to fit lines of type. Any further adjustment should be brought to the attention of the designer to determine if abbreviations or multiple lines are appropriate.

THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
11.30.16		NTS

Client/Project
Appomattox River Trail
Signage Master Plan

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1.1

FONTS:

ABCDEFGHIJKLMNOPQRSTUVWXYZ

1234567890 abcdefghijklmnopqrstuvwxyz

Univers Condensed 57

ABCDEFGHIJKLMNOPQRSTUVWXYZ

1234567890 abcdefghijklmnopqrstuvwxyz

Univers Bold Condensed 67

Weston Manor

Grant's

Headquarters

Typical vehicular sign letter spacing
Tracking set at 20, kerning set on "optical"

Trail Point Cemetery

Hopewell Marina

Riverside Harbor Park

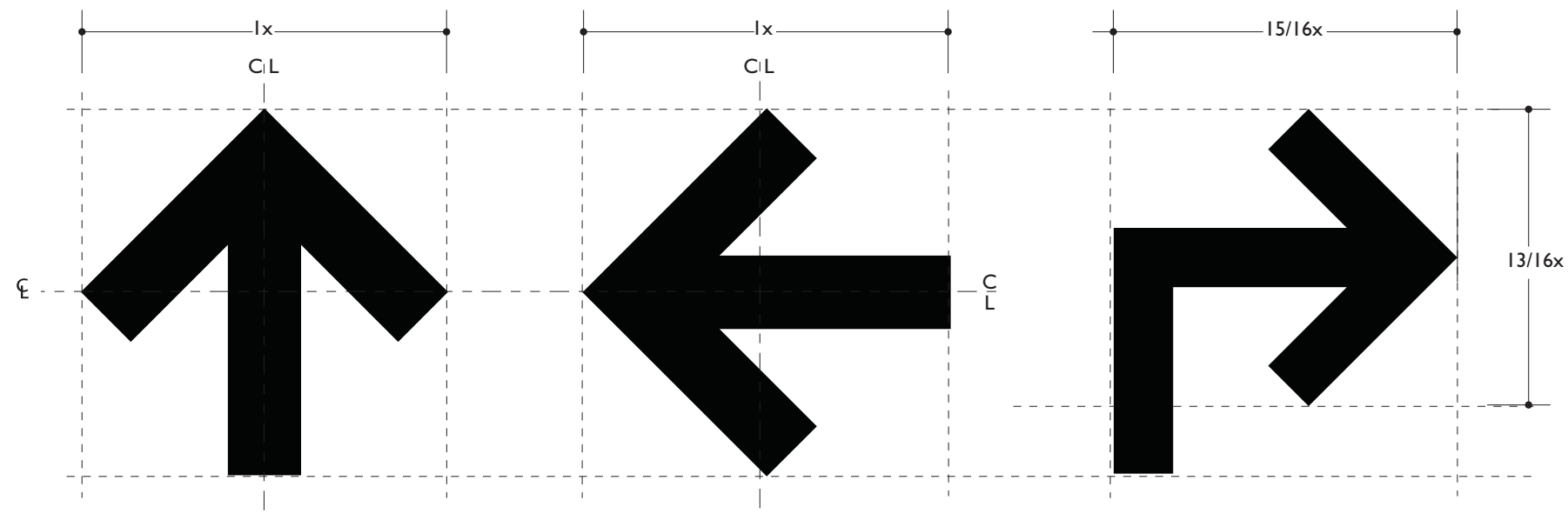
Typical pedestrian sign letter spacing
Tracking set at 20 unless specified otherwise, kerning set on "optical"

GENERAL STANDARDS
Arrows

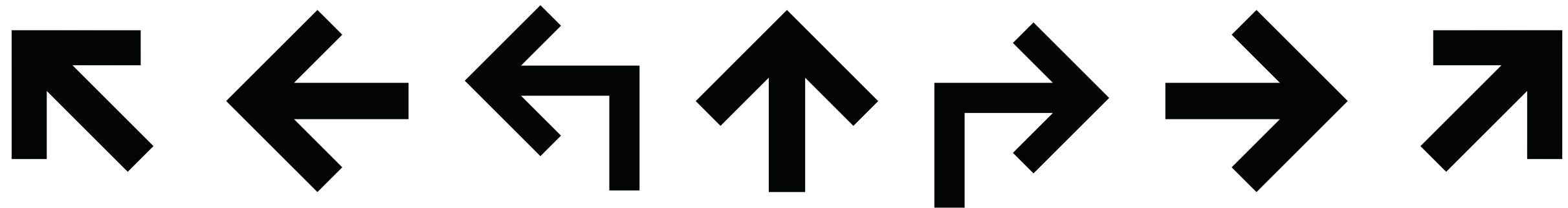
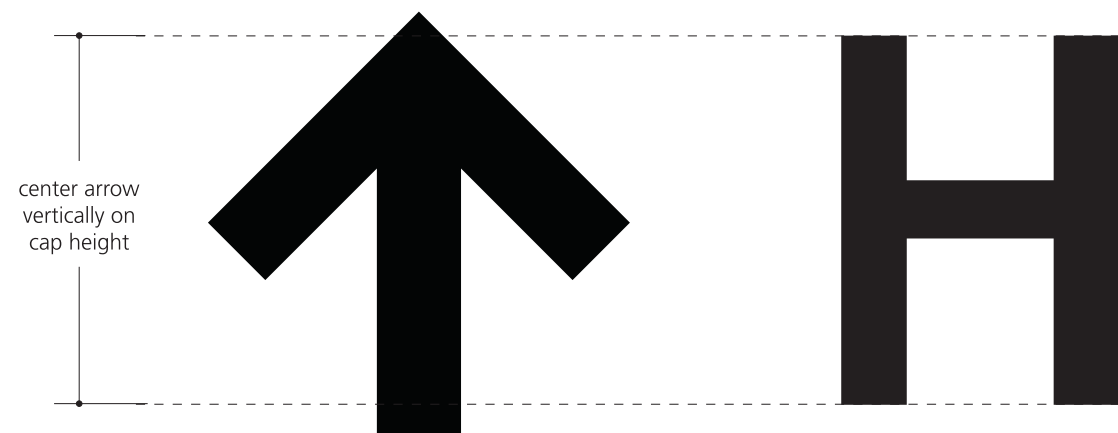
Arrows will be provided as digital files by AB Design. Production artwork files to be available as vectorized files which are scalable vector formats. They can be opened in most industry standard design and publishing software.

Reconstructed art or digitized versions from printed copies shall not be used. Only original electronic files generated by AB Design may be used for application onto signage. Substitute arrows are not acceptable.

ARROWS:



Arrow is equally dimensioned vertically and horizontally



Left Diagonal Turn

Left Turn

Straight and then Left Turn

Straight Ahead

Straight and then Right Turn

Right Turn

Right Diagonal Turn

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Appomattox River Trail
Signage Master Plan

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SYMBOLS:



Restrooms



Hiking



Biking



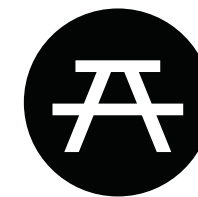
Bike Ramps



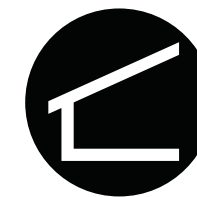
Skate Area



Accessible



Picnic Area



Covered Shelter



Waterfront



Swimming



Canoing



Boat Launch



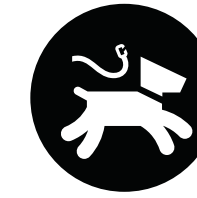
Canoe Launch



Fishing



Playground



Leash-Free Dog Area



Historical Site



Volleyball



Tennis



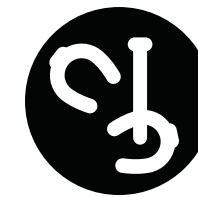
Basketball



Baseball



Frisbee



Horseshoes

Facility/Function Symbols



Public Parking



Visitor Information



Library



Post Office



Lodging



Bus Stop



Electric Car Parking



GENERAL STANDARDS Symbols

Symbols are used on signage to convey information quickly and efficiently.

Symbols will be provided as digital files by AB Design. Production artwork files to be available as vectorized files which are scalable vector formats. They can be opened in most industry standard design and publishing software.

Reconstructed art or digitized versions from printed copies shall not be used. Only original electronic files generated by AB Design may be used for application onto signage. Substitute symbols are not acceptable.

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Date	Revisions	Scale
11.30.16		NTS

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Appomattox River Trail
Signage Master Plan

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1.3

COLOR PALETTE:



Pantone
3005 C

C	M	Y	K
100	31	0	0
R	G	B	
0	119	200	



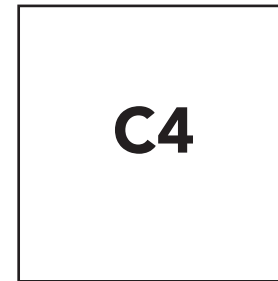
Pantone
376 C

C	M	Y	K
54	0	100	0
R	G	B	
132	189	0	



Pantone
298 C

C	M	Y	K
67	2	0	0
R	G	B	
65	182	230	



White



Black



GENERAL STANDARDS Color Palette

It is the Fabricator's responsibility to match all colors, finishes and materials specified in this document.

The visual accuracy of the colors and finishes represented in this document may not be consistent with manufacturer's swatches and samples due to limitations of color printing technology.

The Fabricator is required to match against actual color swatches and provide material samples for approval prior to production.

If a substitute or deviation is recommended by the Fabricator, the recommendation shall be proposed in writing with a demonstration of equal or better value for consideration.

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11.30.16		NTS

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Appomattox River Trail
Signage Master Plan

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1.4



GENERAL STANDARDS Logotype

The Appomattox River Trail logotype for signage has to include always the blue outline for the word TRAIL.

Logotype will be provided as digital file by AB Design. Production artwork file to be available as vectorized file which are scalable vector formats. They can be opened in most industry standard design and publishing software.

Reconstructed art or digitized versions from printed copies shall not be used. Only original electronic files generated by AB Design may be used for application onto signage.



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11.30.16		NTS

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Appomattox River Trail
Signage Master Plan

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1.5



Sign Drawings



SIGN DRAWINGS
Sign Summary



Signtype G.1
Gateway Sign

Signtype TR.1
Trailhead Sign

Signtype V.1
Vehicular Directional

Signtype B.1
Banner



Signtype V.2
Vehicular Directional

Signtype PA.1
Parking Identification

Signtype P.1
Pedestrian Directional

Signtype P.2
Pedestrian Informational

Signtype K.1
Informational Kiosk



Signtype M.1
Mile Marker

Signtype E.1
Exhibit/Interpretive

Signtype E.2
Exhibit/Interpretive

Signtype R.1
Regulatory

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Date	Revisions	Scale
11.30.16	1.6.17	NTS

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Signage Master Plan

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SIGN DRAWINGS

Signtype G.1

Gateway Sign

Signs to have vehicular and night visibility. Trees that obscure sign face to be trimmed. Sign is double sided.

1. Aluminum cabinet. Water jet or router-cut from electronic art provided by designer over aluminum structural frame anchored into concrete foundation. All exposed surfaces painted with satin finish and to receive an anti graffiti paint coat. All seams and welds ground, filled and finished smooth. ALL HARDWARE CONCEALED.

2. Screen printed graphic logo with transparent ink onto reflective sheeting material. Designer will provide art on disk for all logos.

3. Reflective Graphic Film: White 3M#680-10 type applied to sign face.

4. Decorative boulder.

5. 3/4 " diameter drilled mounting holes at bottom of boulder base. Provide template for matching holes on boulder base.

6. 1/2" diameter x 7" long S.S. all thread set in epoxy.

7. 3000 PSI Concrete footer.

8. #5 long vertical rebar.

Foundation and structure to be engineered by fabricator to meet local windload, local building codes & soil conditions. Shop drawings to be stamped by structural engineer licensed in Virginia.

All fasteners shall be 316 stainless steel. All galvanized components shall be hot dipped. All colors and graphic imagery shall receive the maximum UV protection. Cutting templates and production ready art available from designer and shall be provided upon contract award.

Paint Colors:

C1. Pantone 3005C Blue

C2. Pantone 376C Green

C4. White

Font: Univers 67 Bold Condensed.

THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
11.30.16		3/4" = 1'

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Appomattox River Trail
Signage Master Plan

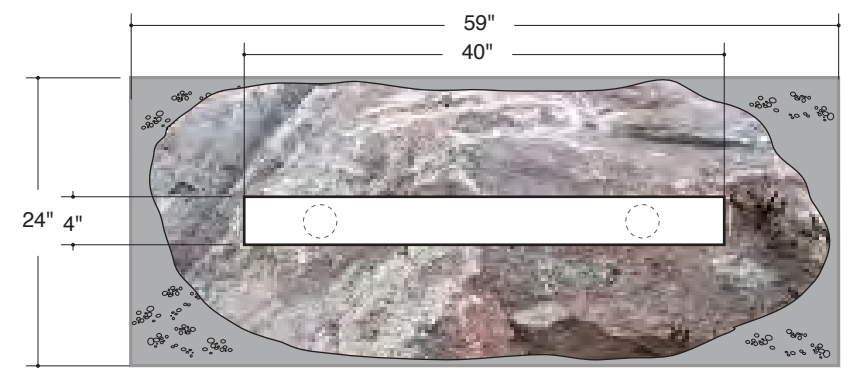
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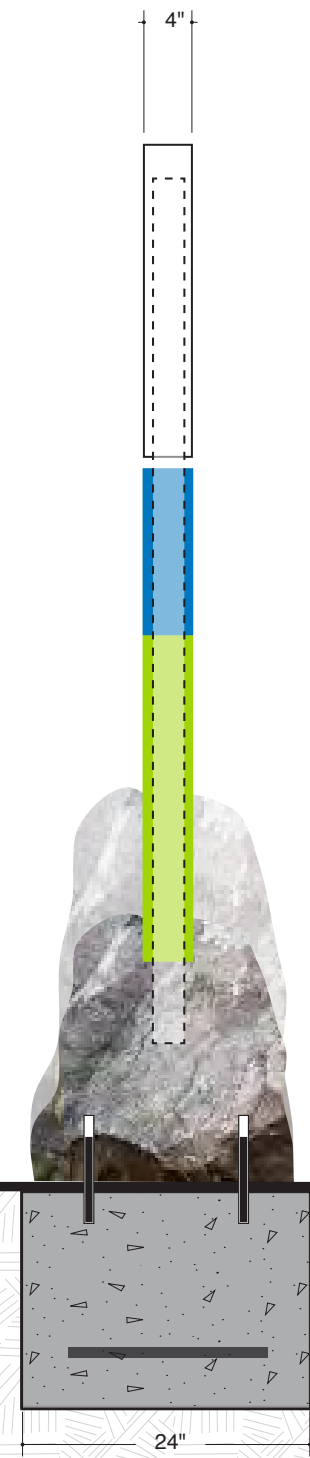


SIGN DRAWINGS
 Signtype G.1
 Gateway Sign

TOP VIEW



SIDE VIEW



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Date	Revisions	Scale
11.30.16	1.6.17	3/4" = 1'

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 Appomattox River Trail
 Signage Master Plan

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SIGN DRAWINGS
Signtype TR.1
Trailhead Sign

Signs to have vehicular and night visibility. Trees that obscure sign face to be trimmed. Sign is double sided.

1. Aluminum cabinet. Water jet or router-cut from electronic art provided by designer over aluminum structural frame anchored into concrete foundation. All exposed surfaces painted with satin finish and to receive an anti graffiti paint coat. All seams and welds ground, filled and finished smooth. ALL HARDWARE CONCEALED.

2. Screen printed graphic logo with transparent ink onto reflective sheeting material. Designer will provide art on disk for all logos.

3. Reflective Graphic Film: White 3M#680-10 type applied to sign face.

4. Decorative boulder.

5. 3/4 " diameter drilled mounting holes at bottom of boulder base. Provide template for matching holes on boulder base.

6. 1/2" diameter x 7" long S.S. all thread set in epoxy.

7. 3000 PSI Concrete footer.

8. #5 long vertical rebar.

9. Screen printed white logo.

Foundation and structure to be engineered by fabricator to meet local windload, local building codes & soil conditions. Shop drawings to be stamped by structural engineer licensed in Virginia.

All fasteners shall be 316 stainless steel. All galvanized components shall be hot dipped. All colors and graphic imagery shall receive the maximum UV protection. Cutting templates and production ready art available from designer and shall be provided upon contract award.

Paint Colors:

C1. Pantone 3005C Blue

C2. Pantone 376C Green

C4. White

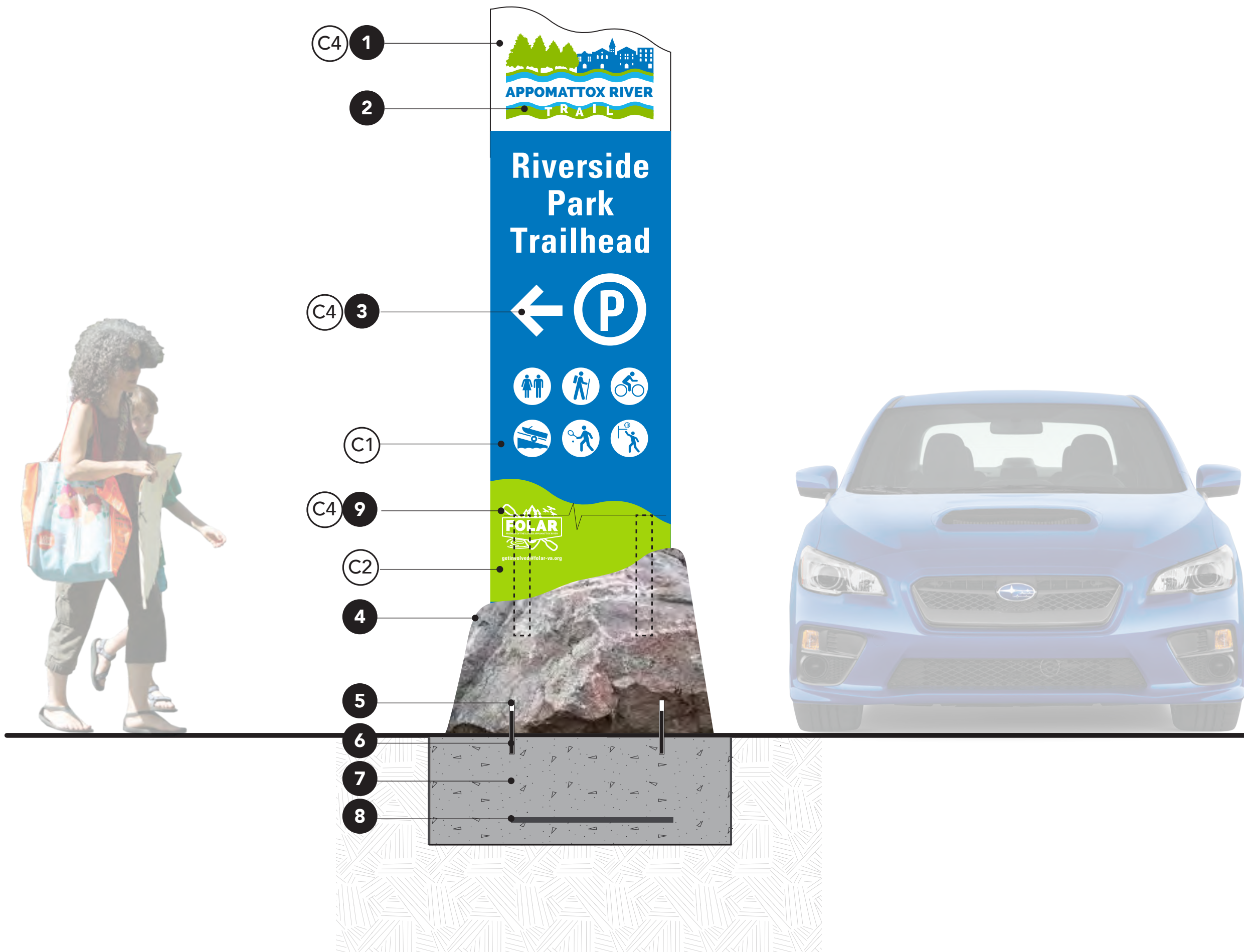
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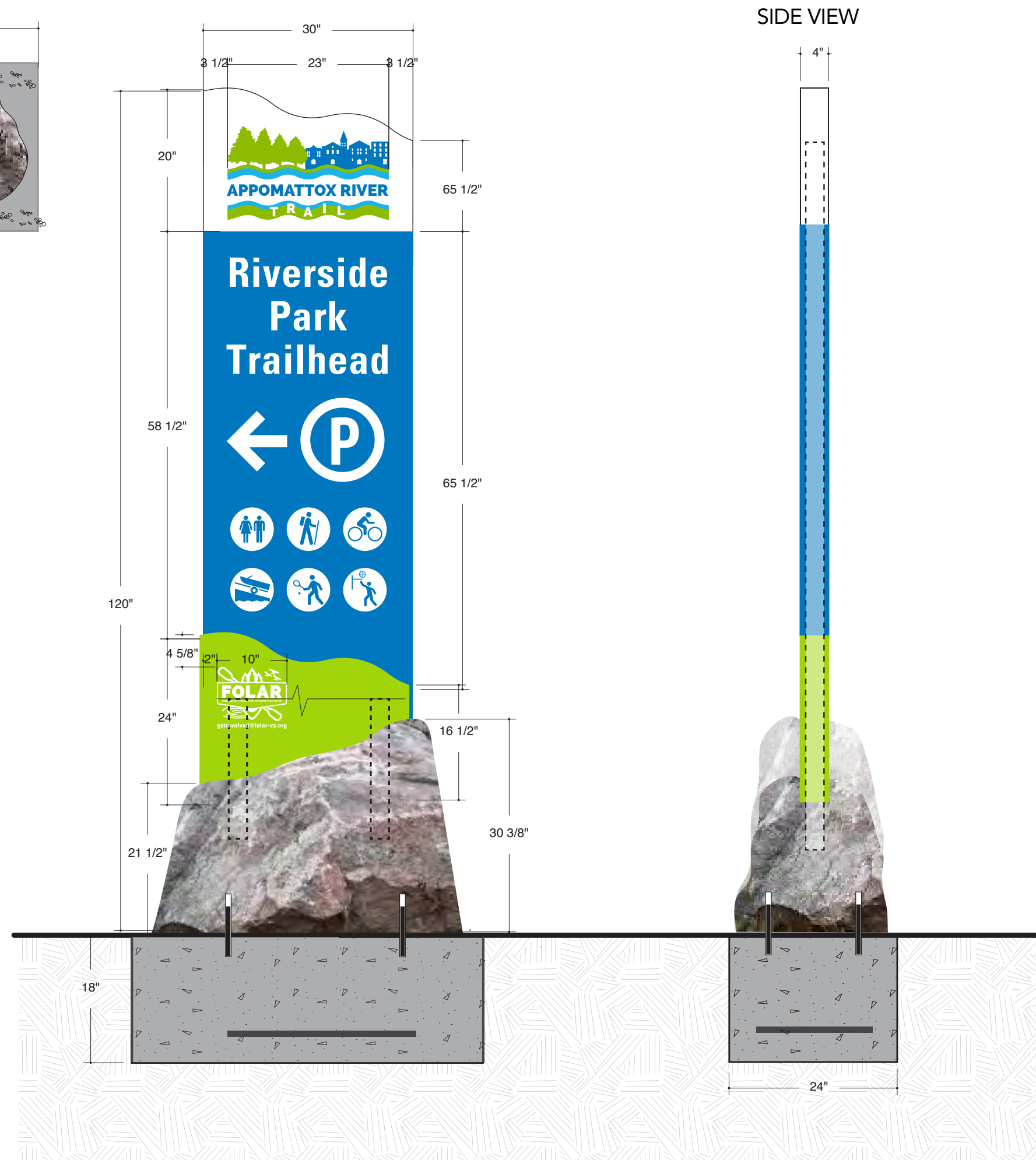
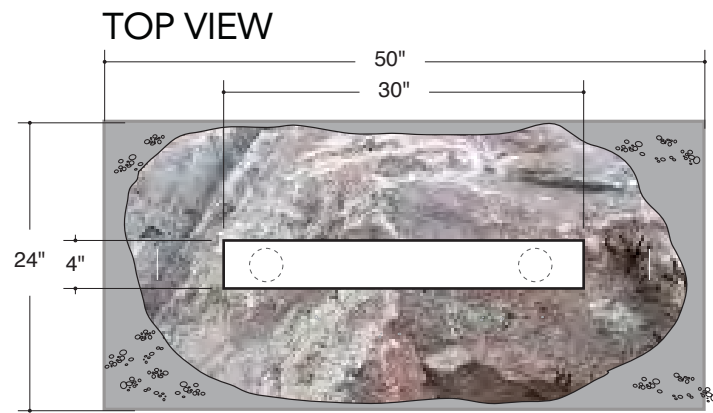
THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
11.30.16		3/4" = 1'

Client/Project
Appomattox River Trail
Signage Master Plan

2.4





SIGN DRAWINGS
Signtype TR.1
Trailhead Sign

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Date	Revisions	Scale
11.30.16		3/4" = 1'

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Signage Master Plan

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2.5



SIGN DRAWINGS

Signtype V1.1

Vehicular Directional

Signs to have vehicular & night visibility. Trees that obscure sign face to be trimmed. Sign to be single or double sided.

1. 1/4" thick aluminum panel. Water jet or router-cut from electronic art provided by designer. All exposed surfaces painted with satin finish and to receive an anti graffiti paint coat.

2. Screen printed graphic logo with transparent ink onto reflective sheeting material. Designer will provide art on disk for all logos.

3. Reflective Graphic Film: White 3M#680-10 type applied to sign face.

4. Aluminum z-angle bar brackets fill weld to back of sign panel and thru bolt to sign post.

5. Aluminum z-clip and flatbar, 6. Tamper-proof thru-bolts, lock washers and nuts.

7. 4" Ø painted steel post with breakaway attachment.

8. Aluminum rain cap, 9. 3000 PSI concrete base. Fabricator to engineer.

10. Maintain 7'-0" from grade to bottom of vehicular guide signs. In regions where snow plows require exceptional clearance, verify compliance requirements with the governing transportation authority.

All colors and graphic imagery shall receive the maximum UV protection. Cutting templates and production ready art available from designer and shall be provided upon contract award.

Paint Colors:

C1. Pantone 3005C Blue

C2. Pantone 376C Green

C4. White

C5. Polyurethane Clear Coat Satin

Paint-Black

Font: Univers 57 Condensed.

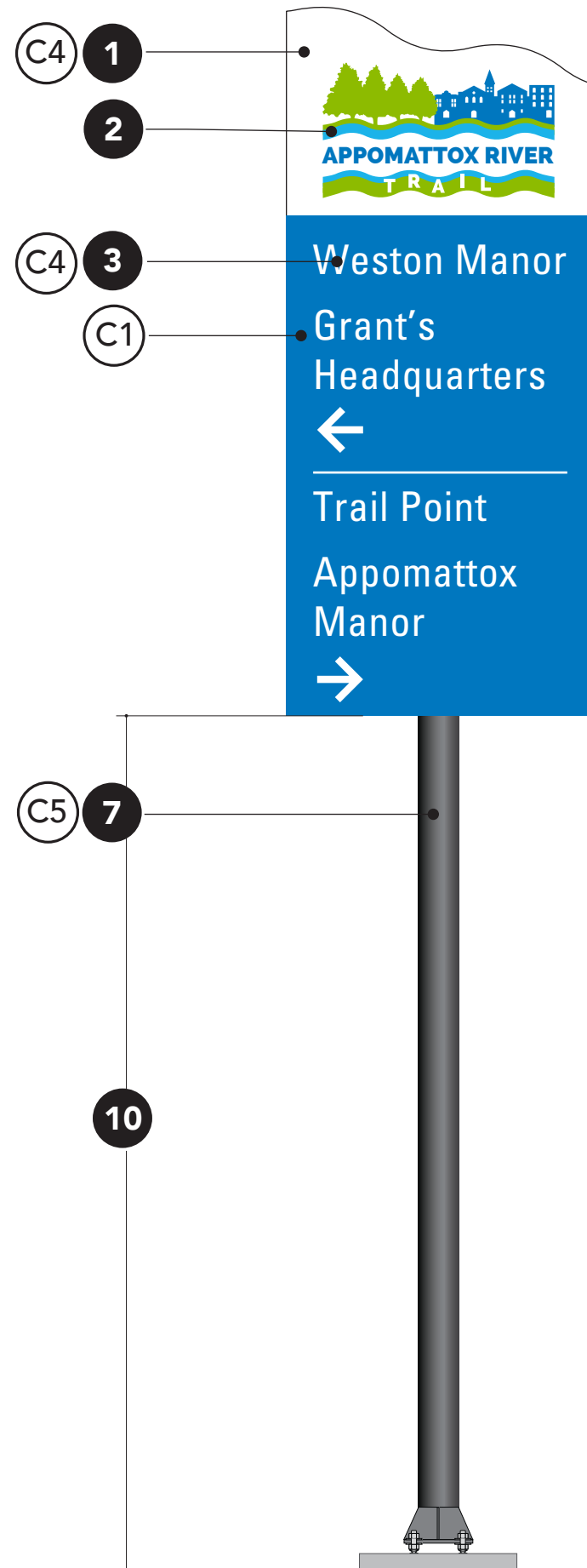
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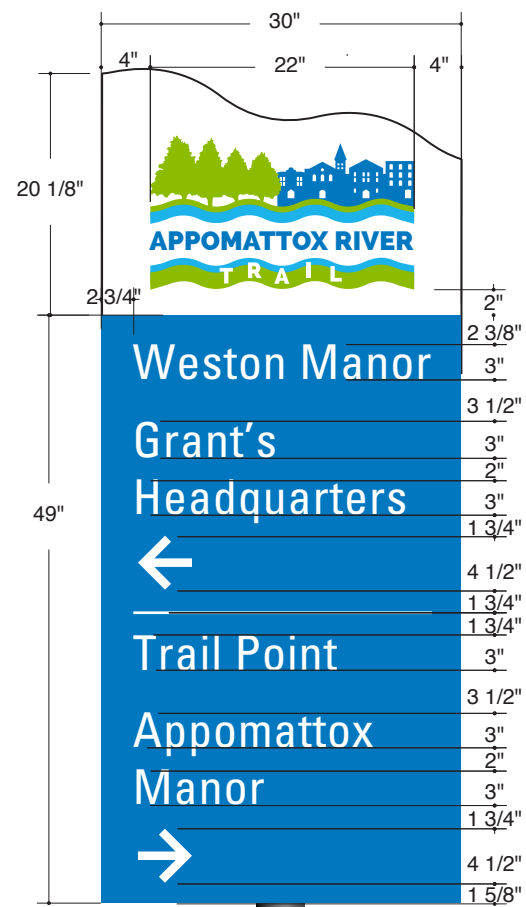
Date	Revisions	Scale
11.30.16		3/4" = 1'

Client/Project
Appomattox River Trail
Signage Master Plan

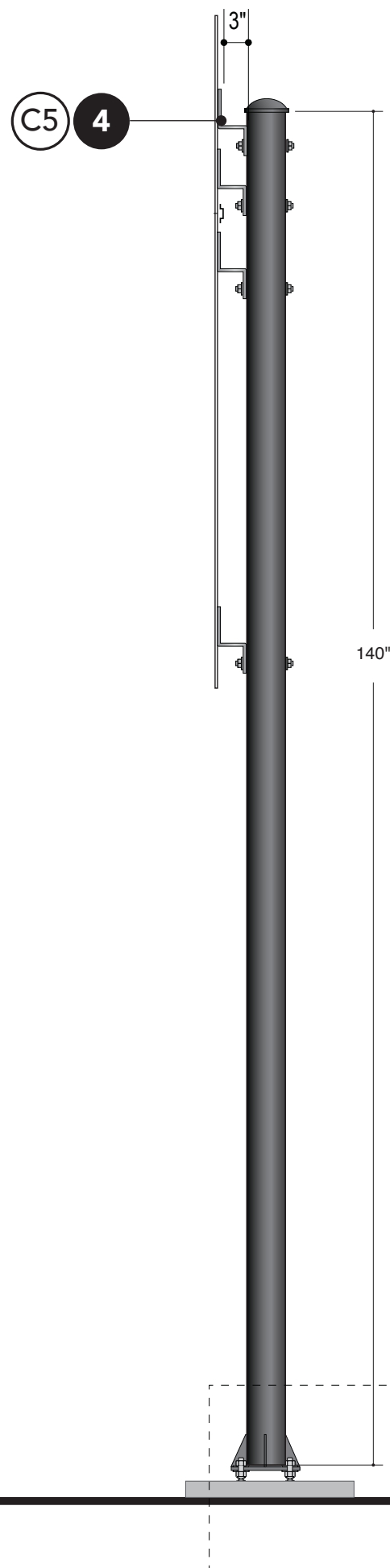
© 2017 AB Design, Inc.

2.6

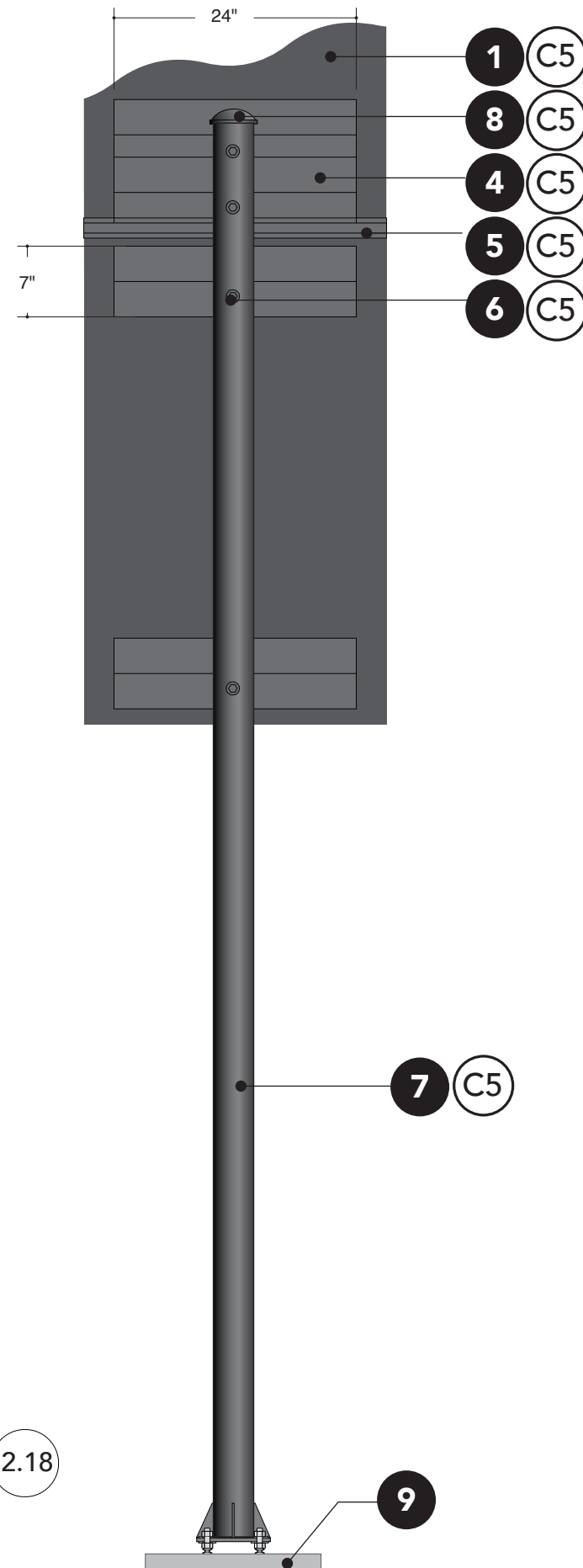




SIDE VIEW



BACK (ONE SIDED)



SIGN DRAWINGS
Signtype V1.1
Vehicular Directional

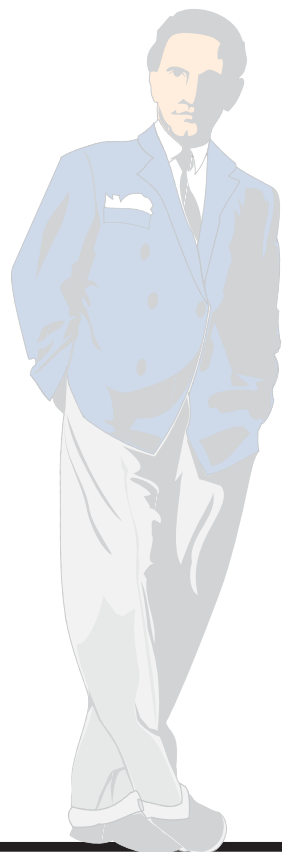
Signs to have vehicular & night visibility. •
 Trees that obscure sign face to be trimmed.
 Sign to be single or double sided.
 1. 1/4" thick aluminum panel. Water jet or router-cut from electronic art provided by designer. All exposed surfaces painted with satin finish and to receive an anti graffiti paint coat.
 2. Screen printed graphic logo with transparent ink onto reflective sheeting material. Designer will provide art on disk for all logos.
 3. Reflective Graphic Film: White 3M#680-10 type applied to sign face.
 4. Aluminum z-angle bar brackets fill weld to back of sign panel and thru bolt to sign post.
 5. Aluminum z-clip and flatbar,
 6. Tamper-proof thru-bolts, lock washers and nuts.
 7. 4"Ø painted steel post with breakaway attachment.
 8. Aluminum rain cap,
 9. 3000 PSI concrete base. Fabricator to engineer.
 10. Maintain 7'-0" from grade to bottom of vehicular guide signs. In regions where snow plows require exceptional clearance, verify compliance requirements with the governing transportation authority.
 All colors and graphic imagery shall receive the maximum UV protection.
 Cutting templates and production ready art available from designer and shall be provided upon contract award.
 Paint Colors:
 C1. Pantone 3005C Blue
 C2. Pantone 376C Green
 C4. White
 C5. Polyurethane Clear Coat Satin
 Paint-Black
 Font: Univers 57 Condensed.

THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
11.30.16		3/4" = 1'

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 Appomattox River Trail
 Signage Master Plan

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SIGN DRAWINGS Signtype V.2 - PA.1 Vehicular Directional Small & Parking Lot Sign

Signs to have vehicular & night visibility. Trees that obscure sign face to be trimmed. Sign to be single or double sided.

1. 1/4" thick aluminum panel. Water jet or router-cut from electronic art provided by designer. All exposed surfaces painted with satin finish and to receive an anti graffiti paint coat.

2. Screen printed graphic logo with transparent ink onto reflective sheeting material. Designer will provide art on disk for all logos.

3. Reflective Graphic Film: White 3M#680-10 type applied to sign face.

4. Aluminum z-angle bar brackets fill weld to back of sign panel and thru bolt to sign post.

5. Aluminum z-clip and flatbar, 6. Tamper-proof thru-bolts, lock washers and nuts.

7. 4" Ø painted steel post with breakaway attachment.

8. Aluminum rain cap, 9. 3000 PSI concrete base. Fabricator to engineer.

10. Maintain 7'-0" from grade to bottom of vehicular guide signs. In regions where snow plows require exceptional clearance, verify compliance requirements with the governing transportation authority.

All colors and graphic imagery shall receive the maximum UV protection. Cutting templates and production ready art available from designer and shall be provided upon contract award.

Paint Colors:

C1. Pantone 3005C Blue

C2. Pantone 376C Green

C4. White

C5. Polyurethane Clear Coat Satin

Paint-Black

Font: Univers 57 Condensed.

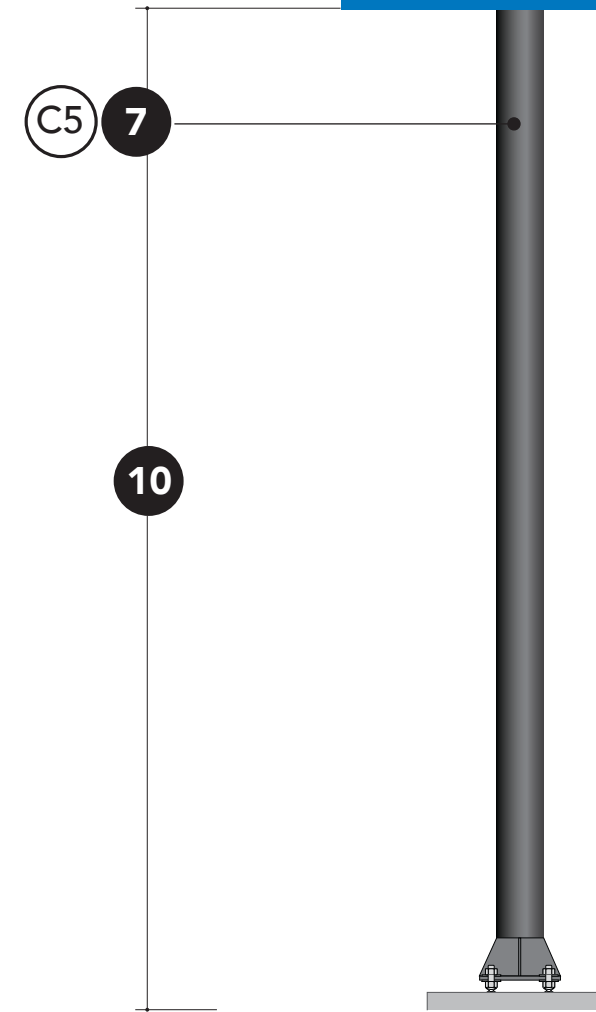
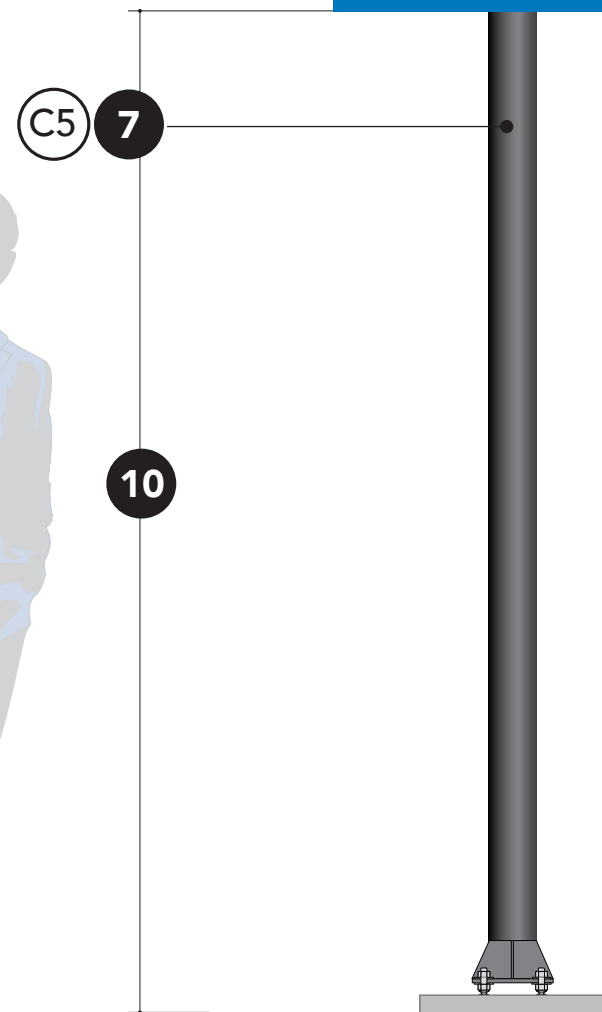
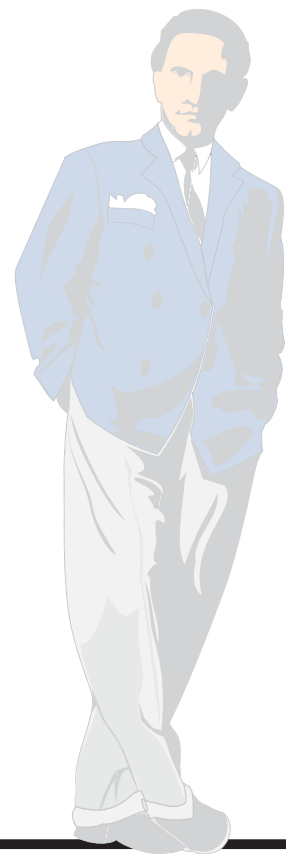
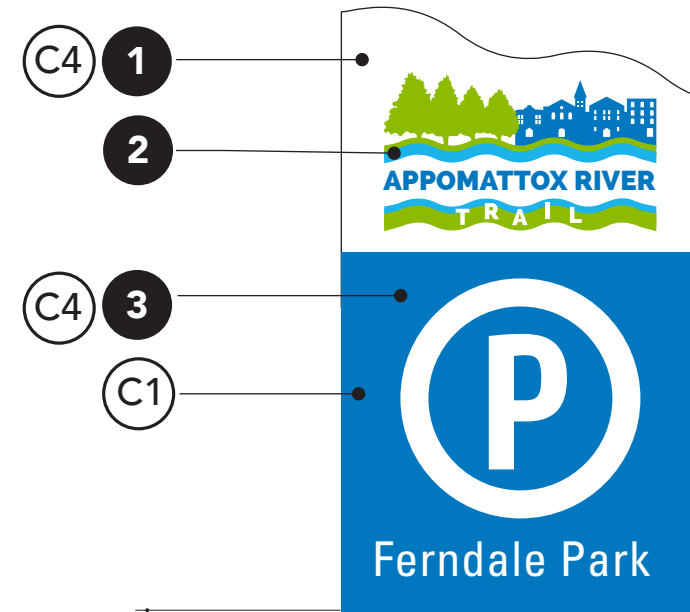
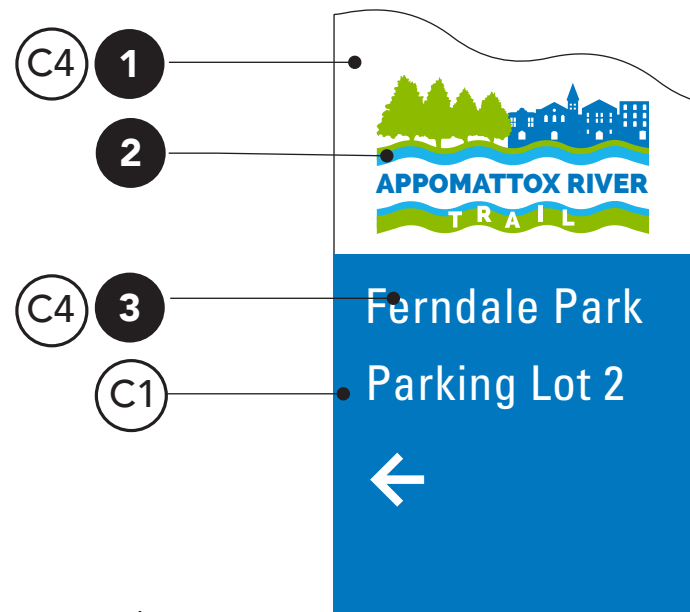
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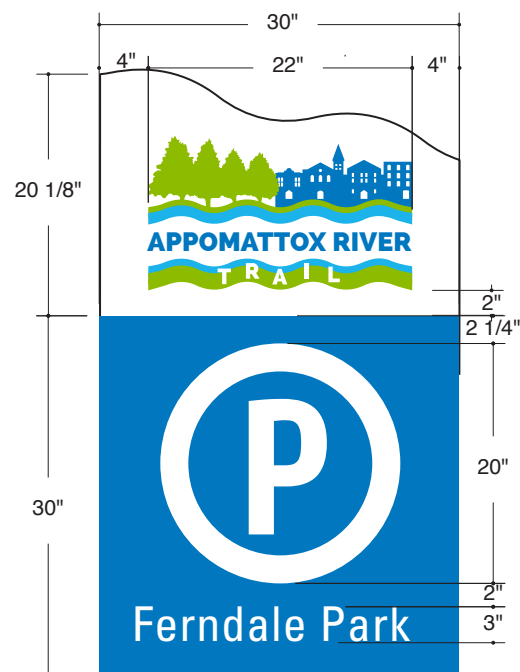
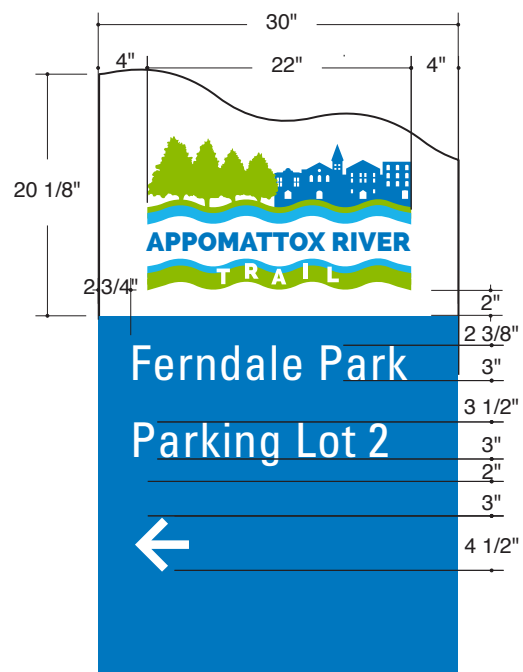
Date	Revisions	Scale
11.30.16	12.23.16	3/4" = 1'

Client/Project
Appomattox River Trail
Signage Master Plan

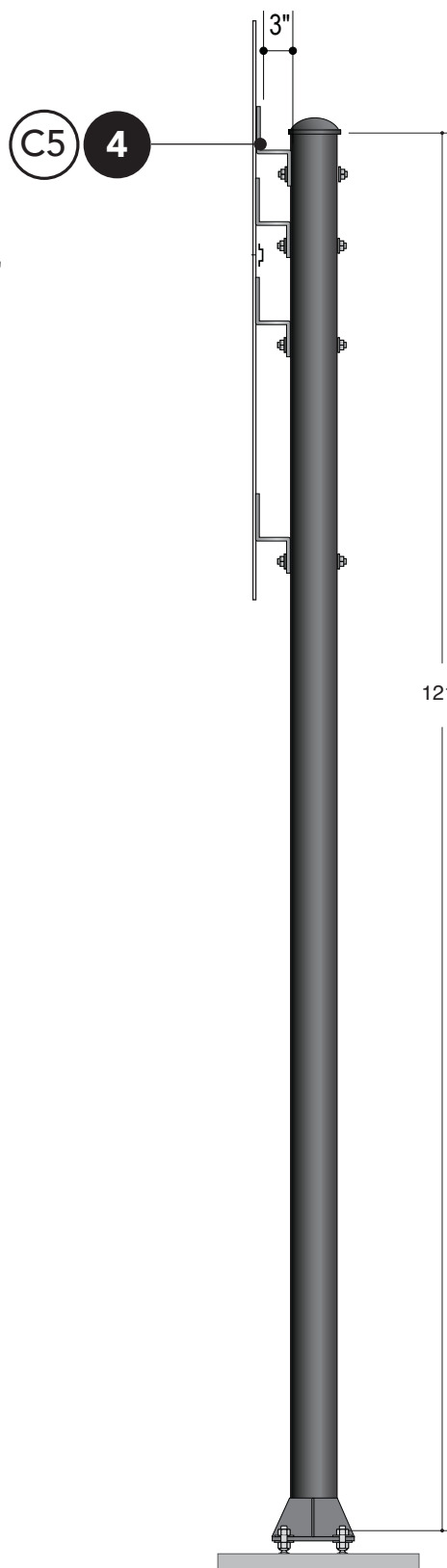
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2.8

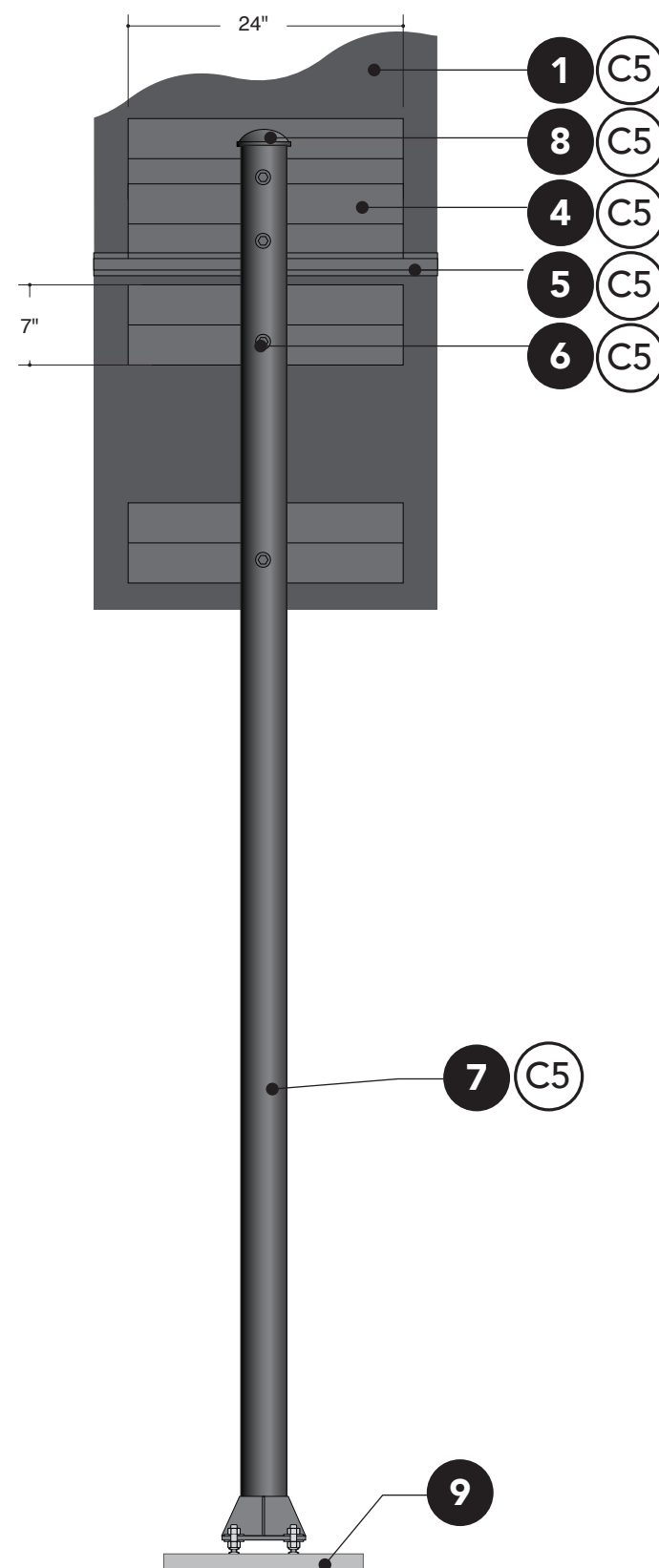




SIDE VIEW



BACK (ONE SIDED)



SIGN DRAWINGS Signtype V.2 - PA.1 Vehicular Directional Small & Parking Lot Sign

Signs to have vehicular & night visibility. Trees that obscure sign face to be trimmed. Sign to be single or double sided.

1. 1/4" thick aluminum panel. Water jet or router-cut from electronic art provided by designer. All exposed surfaces painted with satin finish and to receive an anti graffiti paint coat.

2. Screen printed graphic logo with transparent ink onto reflective sheeting material. Designer will provide art on disk for all logos.

3. Reflective Graphic Film: White 3M#680-10 type applied to sign face.

4. Aluminum z-angle bar brackets fill weld to back of sign panel and thru bolt to sign post.

5. Aluminum z-clip and flatbar, 6. Tamper-proof thru-bolts, lock washers and nuts.

7. 4"Ø painted steel post with breakaway attachment.

8. Aluminum rain cap,

9. 3000 PSI concrete base. Fabricator to engineer.

10. Maintain 7'-0" from grade to bottom of vehicular guide signs. In regions where snow plows require exceptional clearance, verify compliance requirements with the governing transportation authority.

All colors and graphic imagery shall receive the maximum UV protection. Cutting templates and production ready art available from designer and shall be provided upon contract award.

Paint Colors:

C1. Pantone 3005C Blue

C2. Pantone 376C Green

C4. White

C5. Polyurethane Clear Coat Satin

Paint-Black

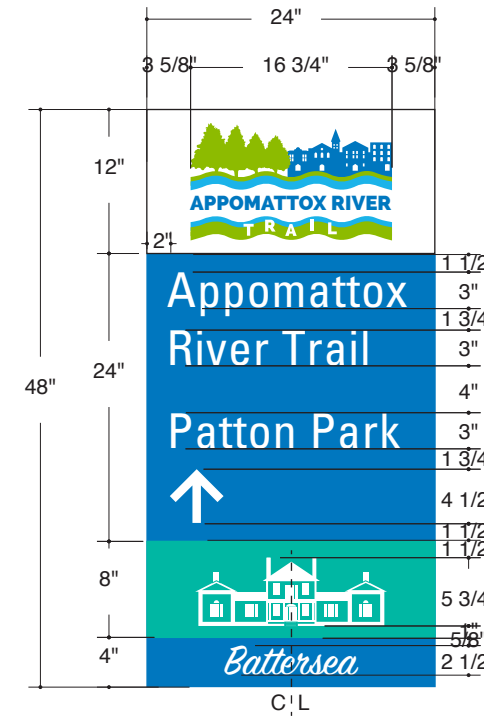
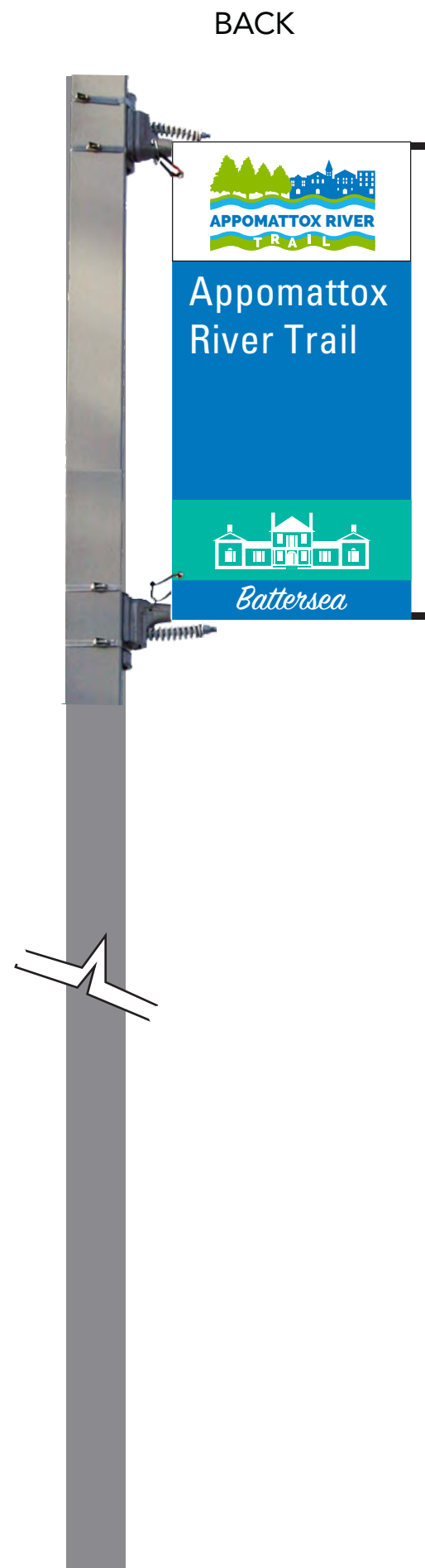
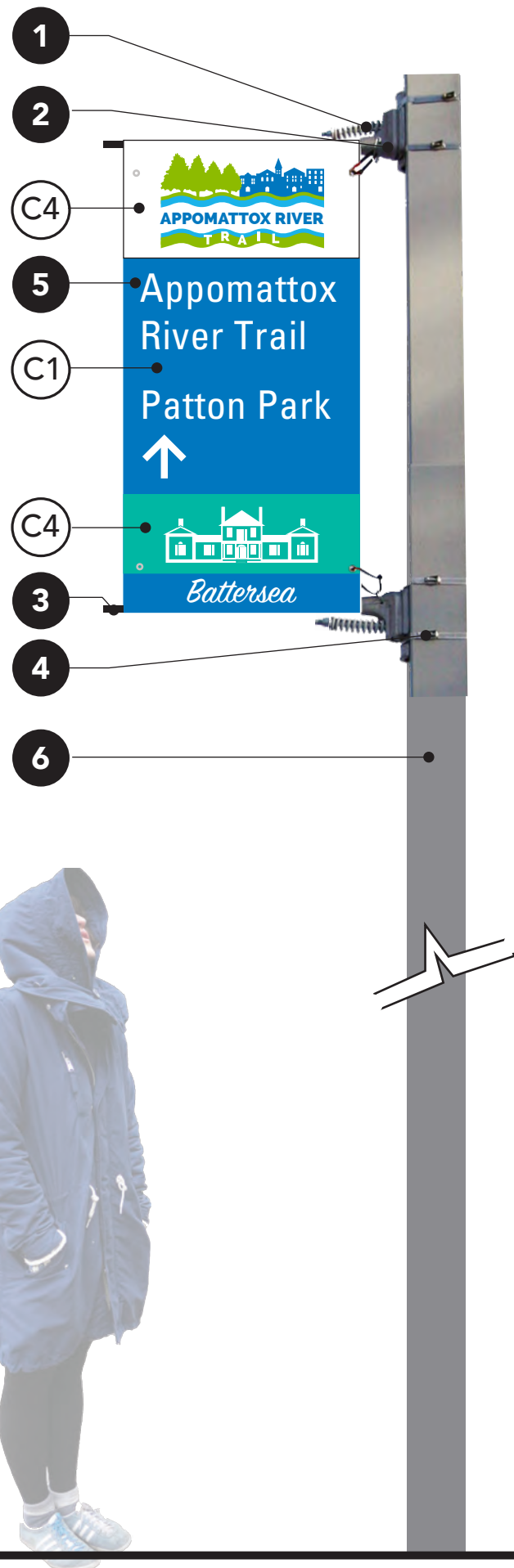
Font: Univers 57 Condensed.

THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
11.30.16	12.23.16	3/4" = 1'

Client/Project
Appomattox River Trail
Signage Master Plan

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SIGN DRAWINGS

Signtype B.1 Banner

Signs to have pedestrian & night visibility. •
Trees that obscure sign face to be trimmed.
Sign to be double sided.

1. Banner cast aluminum spring brackets.
2. 18" removable black fiberglass banner arms with tempered aluminum sleeve that adds 20% strength to rods. Arms flex 4 to 6 inches in high winds. Banner arms angle up at the outside ends to keep the banner taut.

3. 3/4 in. diameter poles.

4. stainless steel bands with buckle.

NOTE: this type of hardware is available at <http://www.flagandbanner.com>

5. Commercial-grade vinyl banner fabric. Fabric to be flame retardant, mildew and water resistant. Vinyl, printed front and back.

6. Existing electrical post.

Production ready art available from designer and shall be provided upon contract award.

Colors:

C1. Pantone 3005C Blue

C2. Pantone 376C Green

C4. White

C6. Pantone P 130-6 C Teal

Font: Univers 57 Condensed and SignPainter-HouseScript.

THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
1.7.17		3/4" = 1'

Client/Project
Appomattox River Trail
Neighborhood Trail Access

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SIGN DRAWINGS

Signtype P.1

Pedestrian Directional

Signs to have pedestrian & night visibility. •
Trees that obscure sign face to be trimmed.
Sign to be single or double sided.

1. 1/4" thick aluminum panel. Water jet or router-cut from electronic art provided by designer. All exposed surfaces painted with satin finish and to receive an anti graffiti paint coat.

2. Screen printed graphic logo with transparent ink onto reflective sheeting material. Designer will provide art on disk for all logos.

3. Reflective Graphic Film: White 3M#680 -10 type applied to sign face.

4. Aluminum z-angle bar brackets fill weld to back of sign panel and thru bolt to sign post.

5. Aluminum z-clip and flatbar.

6. Tamper-proof thru-bolts, lock washers and nuts.

7. 4" Ø painted steel post.

8. Aluminum rain cap.

9. 3000 PSI concrete base. Fabricator to engineer.

10. QR code to be printed on vinyl and first surface applied. Code to be provided by client.

All colors and graphic imagery shall receive the maximum UV protection.

Cutting templates and production ready art available from designer and shall be provided upon contract award.

Paint Colors:

C1. Pantone 3005C Blue

C2. Pantone 376C Green

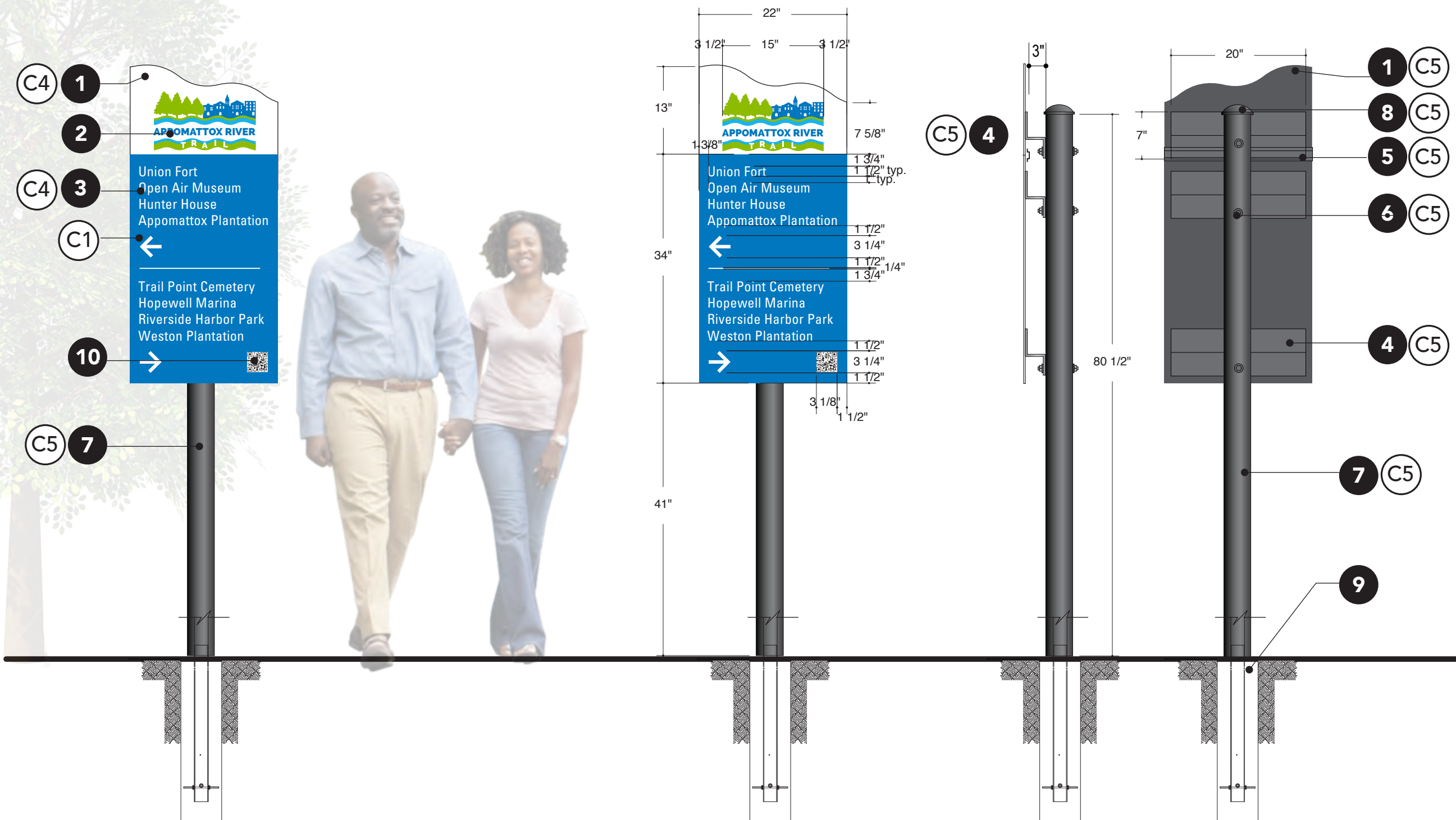
C4. White

C5. Polyurethane Clear Coat Satin
Paint-Black

Font: Univers 57 Condensed.

SIDE VIEW

BACK (ONE SIDED)



THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
11.30.16		3/4" = 1'

Client/Project
Appomattox River Trail
Signage Master Plan

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SIGN DRAWINGS

Signtype P.2

Pedestrian Informational

Signs to have pedestrian & night visibility. Trees that obscure sign face to be trimmed. Sign to be single or double sided.

1. 1/4" thick aluminum panel. Water jet or router-cut from electronic art provided by designer. All exposed surfaces painted with satin finish and to receive an anti graffiti paint coat.

2. Screen printed graphic logo with transparent ink onto reflective sheeting material. Designer will provide art on disk for all logos.

3. Reflective Graphic Film: White 3M#680 -10 type applied to sign face.

4. Aluminum z-angle bar brackets fill weld to back of sign panel and thru bolt to sign post.

5. Aluminum z-clip and flatbar.

6. Tamper-proof thru-bolts, lock washers and nuts.

7. 4"Ø painted steel post.

8. Aluminum rain cap.

9. 3000 PSI concrete base. Fabricator to engineer.

10. QR code to be printed on vinyl and first surface applied. Code to be provided by client.

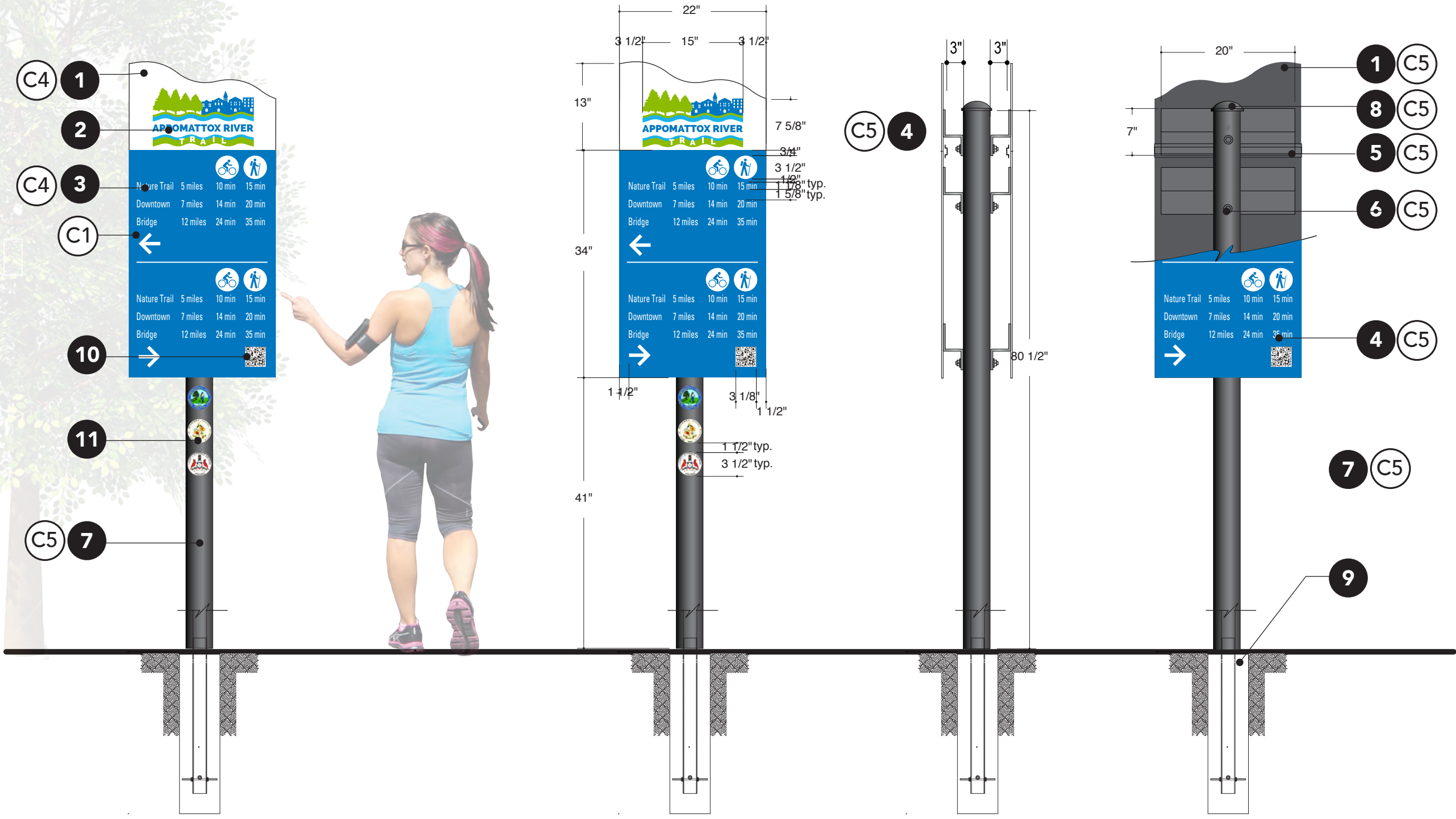
11. Vinyl locality seals applied to sign post.

All colors and graphic imagery shall receive the maximum UV protection. Cutting templates and production ready art available from designer and shall be provided upon contract award.

- Paint Colors:
- C1. Pantone 3005C Blue
 - C2. Pantone 376C Green
 - C4. White
 - C5. Polyurethane Clear Coat Satin Paint-Black
- Font: Univers 57 Condensed.

SIDE VIEW
(DOUBLE SIDED)

BACK
(DOUBLE SIDED)



THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
11.30.16		3/4" = 1'

Client/Project
Appomattox River Trail
Signage Master Plan

SIGN DRAWINGS

Signtype K.1

Informational Kiosk

SIDE VIEW



Trees that obscure sign face to be trimmed. Sign is double sided.

1. Aluminum cabinet. Water jet or route-cut from electronic art provided by designer over aluminum structural frame anchored into concrete foundation. All exposed surfaces painted with satin finish and to receive an anti graffiti paint coat. All seams and welds ground, filled and finished smooth. ALL HARDWARE CONCEALED.
2. Screen printed graphic logo with transparent ink onto reflective sheeting material. Designer will provide art on disk for all logos.
3. Vinyl map second surface applied to 1/8" matte transparent acrylic. Acrylic mounted to sign face.
4. Vinyl locality seals applied to sign face.
5. Threaded rod (J-bolt) fastened to extruded aluminum frame and embedded into concrete base.
6. 3000 PSI Concrete footer.
7. QR code to be printed on vinyl and first surface applied. Code to be provided by client.

Foundation and structure to be engineered by fabricator to meet local windload, local building codes & soil conditions. Shop drawings to be stamped by structural engineer licensed in Virginia. All fasteners shall be 316 stainless steel. All galvanized components shall be hot dipped. All colors and graphic imagery shall receive the maximum UV protection. Cutting templates and production ready art available from designer and shall be provided upon contract award.

Paint Colors:
 C1. Pantone 3005C Blue
 C2. Pantone 376C Green
 C4. White

Font: Univers 57 Condensed and Univers 67 Bold Condensed.

THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
11.30.16	1.6.17	3/4" = 1'

Client/Project
 Appomattox River Trail
 Signage Master Plan

2.13

SIGN DRAWINGS

Signtype M.1

Mile Marker

Trees that obscure sign face to be trimmed.
Sign is double sided.

1. Aluminum sheet. Water jet or router-cut from electronic art provided by designer over aluminum structural frame anchored into concrete foundation. All exposed surfaces painted with satin finish and to receive an anti graffiti paint coat. All seams and welds ground, filled and finished smooth. **ALL HARDWARE CONCEALED.**

2. Screen printed graphic logo with transparent ink onto reflective sheeting material. Designer will provide art on disk for all logos.

3. Reflective Graphic Film: White 3M#680-10 type applied to sign face.

4. QR code to be printed on vinyl and first surface applied. Code to be provided by client.

5. Threaded rod (J-bolt) fastened to extruded aluminum frame and embedded into concrete base.

6. 3000 PSI Concrete footer.
Foundation and structure to be engineered by fabricator to meet local windload, local building codes & soil conditions. Shop drawings to be stamped by structural engineer licensed in Virginia.

All fasteners shall be 316 stainless steel. All galvanized components shall be hot dipped. All colors and graphic imagery shall receive the maximum UV protection. Cutting templates and production ready art available from designer and shall be provided upon contract award.

Paint Colors:

C1. Pantone 3005C Blue

C4. White

Font: Univers 67 Bold Condensed.



THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
11.30.16		3/4" = 1'
Client/Project		
Appomattox River Trail Signage Master Plan		

2.14

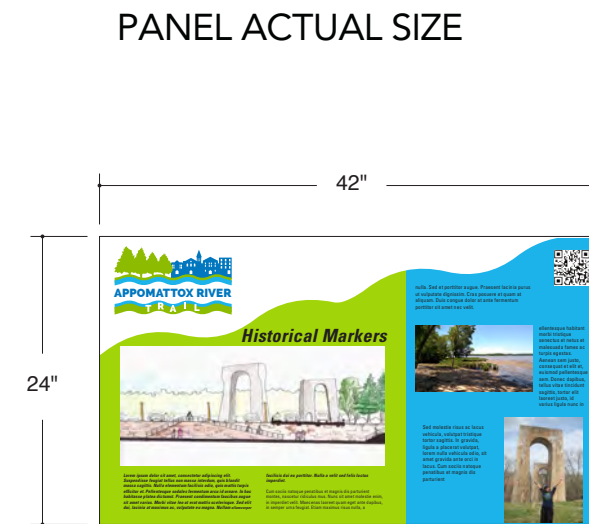
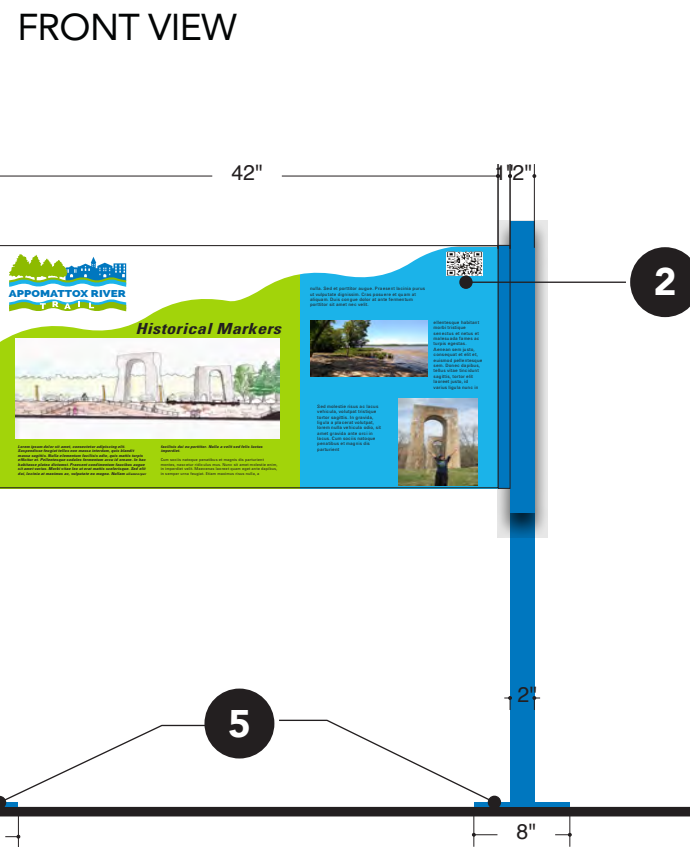
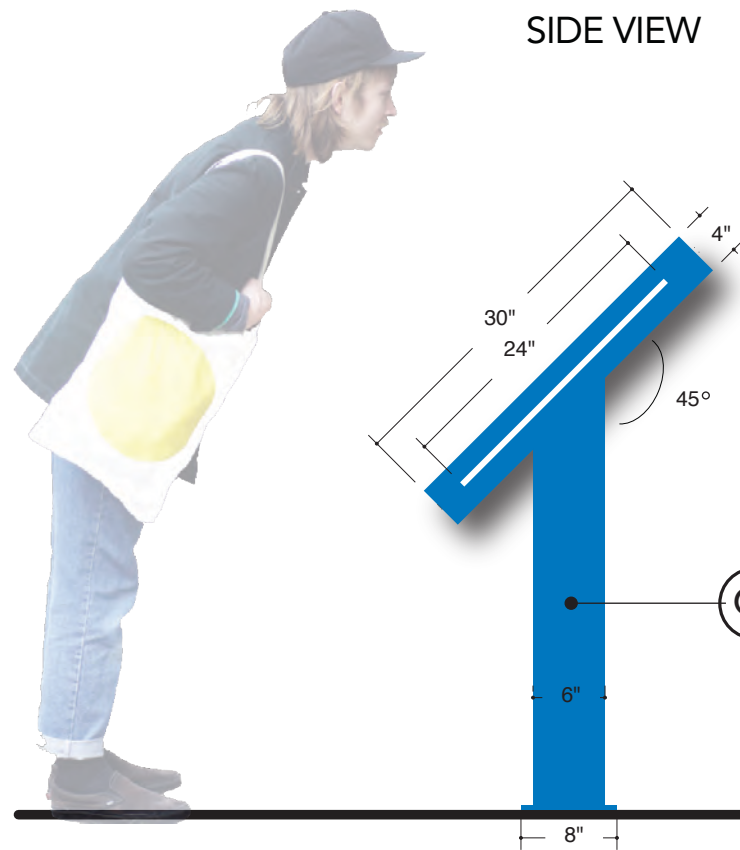
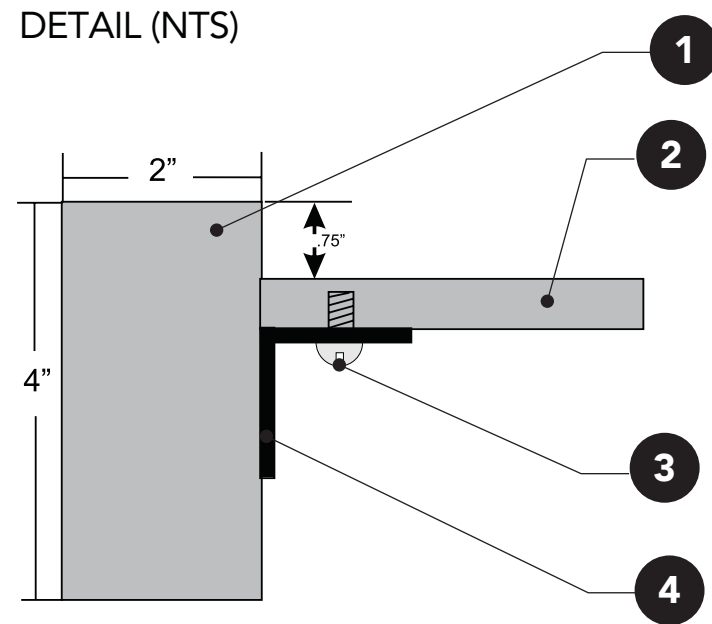
SIGN DRAWINGS
Signtype E.1
Exhibit/Interpretive

Trees that obscure sign face to be trimmed.

1. 2"x 4" aluminum post. All exposed surfaces painted with satin finish and to receive an anti graffiti paint coat.
2. 1/2" thick digitally printed high pressure laminarte pannel (DHPL) :inkjet print sandwiched between multiple layers of melamine and phenolic sheets pressed at high pressure and heat to form a solid core.
3. Tamper proof screws (special bit required) threaded into back of DHPL panel.
4. Aluminum angle welded to the post.
5. 8"x8"x 3/8" plate.

All colors and graphic imagery shall receive the maximum UV protection. Cutting templates and production ready art available from designer and shall be provided upon contract award.

Paint Colors:
 C1. Pantone 3005C Blue
 C2. Pantone 376C Green
 C4. White



NOTE: Panel layout is an example. Final layout will be provided at the time of fabrication.

THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
11.30.16		3/4" = 1'

Client/Project
 Appomattox River Trail
 Signage Master Plan

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SIGN DRAWINGS

Signtype E.2

Exhibit/Interpretive

- Trees that obscure sign face to be trimmed.
Sign to be single sided.
- 1/2" thick digitally printed high pressure laminarte pannel (DHPL) :inkjet print sandwiched between multiple layers of melamine and phenolic sheets pressed at high pressure and heat to form a solid core. Water jet or router-cut from electronic art provided by designer.
 - QR code to be printed on vinyl and first surface applied. Code to be provided by client.
 - Vinyl locality seals applied to sign post.
 - Aluminum z-angle bar brackets fill weld to back of sign panel and thru bolt to sign post.
 - Tamper-proof thru-bolts, lock washers and nuts.
 - 4"Ø painted steel post.
 - Aluminum rain cap.
 - 3000 PSI concrete base. Fabricator to engineer.

All colors and graphic imagery shall receive the maximum UV protection. Cutting templates and production ready art available from designer and shall be provided upon contract award.

Paint Colors:
 C1. Pantone 3005C Blue
 C2. Pantone 376C Green
 C4. White
 C5. Polyurethane Clear Coat Satin
 Paint-Black
 Font: Univers 57 Condensed.

THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
11.30.16		3/4" = 1'

Client/Project
 Appomattox River Trail
 Signage Master Plan

NOTE: Panel layout is an example. Final layout will be provided at the time of fabrication.

SIDE VIEW

BACK



SIGN DRAWINGS

Signtype R.1 Regulatory

Signs to have pedestrian & night visibility. Trees that obscure sign face to be trimmed. Sign to be single sided.

- 1/4" thick aluminum panel. Water jet or router-cut from electronic art provided by designer. All exposed surfaces painted with satin finish and to receive an anti graffiti paint coat.
- Screen printed graphic logo with transparent ink onto reflective sheeting material. Designer will provide art on disk for all logos.
- Reflective Graphic Film: White 3M#680 -10 type applied to sign face.
- Aluminum z-angle bar brackets fill weld to back of sign panel and thru bolt to sign post.
- Aluminum z-clip and flatbar.
- Tamper-proof thru-bolts, lock washers and nuts.
- 4" Ø painted steel post.
- Aluminum rain cap.
- 3000 PSI concrete base. Fabricator to engineer.
- QR code to be printed on vinyl and first surface applied. Code to be provided by client.

All colors and graphic imagery shall receive the maximum UV protection. Cutting templates and production ready art available from designer and shall be provided upon contract award.

Paint Colors:

C1. Pantone 3005C Blue

C2. Pantone 376C Green

C4. White

C5. Polyurethane Clear Coat Satin Paint-Black

Font: Univers 57 Condensed and Univers 57 Condensed Bold Oblique.

NOTE: Panel copy is an example. Final copy will be provided at the time of fabrication.

SIDE VIEW

BACK (ONE SIDED)



THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
11.30.16		3/4" = 1'

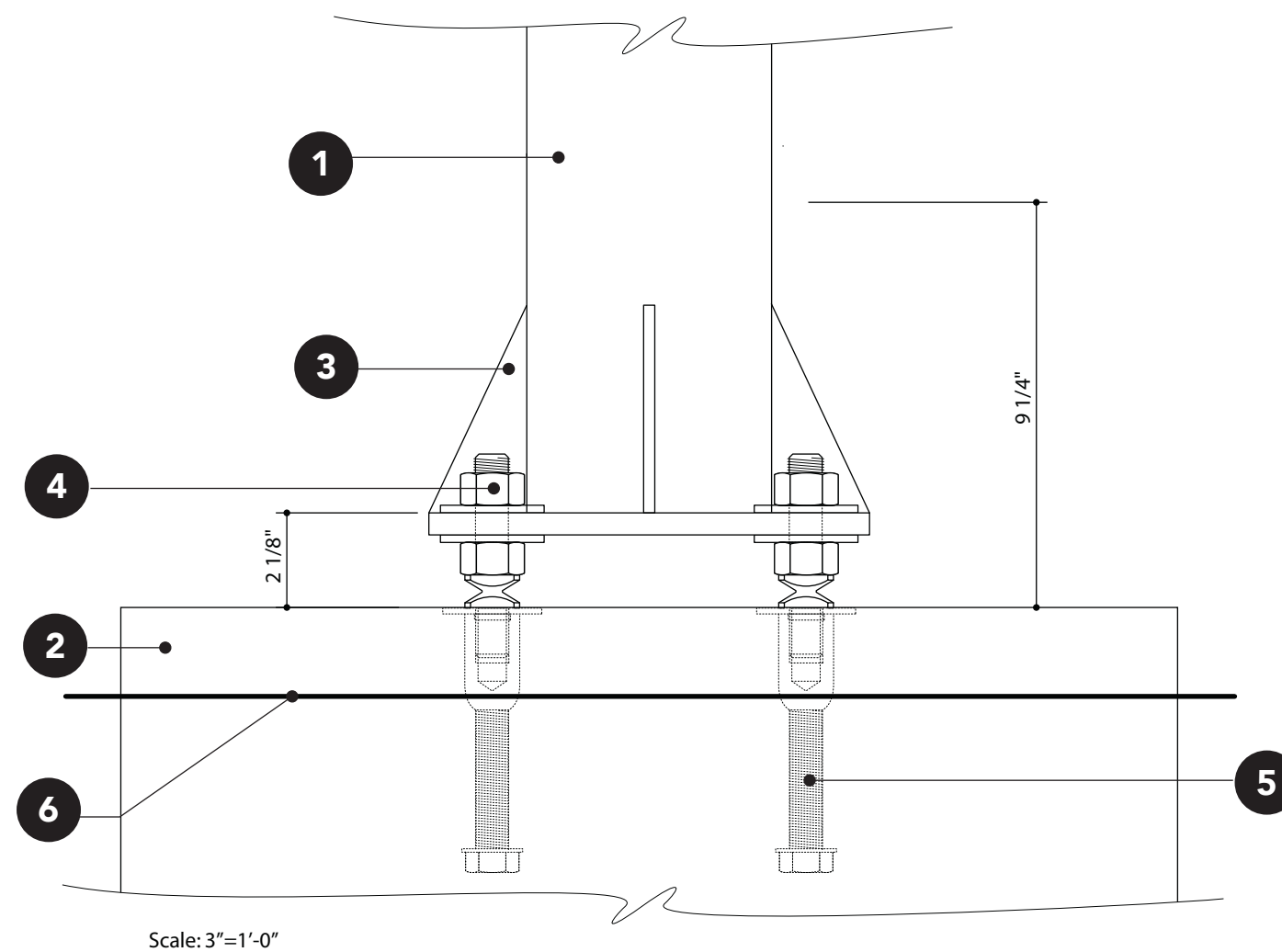
Client/Project
Appomattox River Trail
Signage Master Plan

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SIGN DRAWINGS

Detail

Breakaway Attachment



1. 4"Ø painted post.
2. 3000 psi concrete foundation cylinder.
3. Welded flange and mounting plate.
4. FHWA-approved Transpo PoleSafe® breakaway supports (or approved equal) to be attached to J-bolts below and base flange above. Coupling to be engineered and installed according to manufacturer's specifications.
5. Galvanized "J" anchor bolts.
6. Grade

THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
11.30.16		NTS

Client/Project
Appomattox River Trail
Signage Master Plan

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2.18



Placement Guidelines



PLACEMENT GUIDELINES

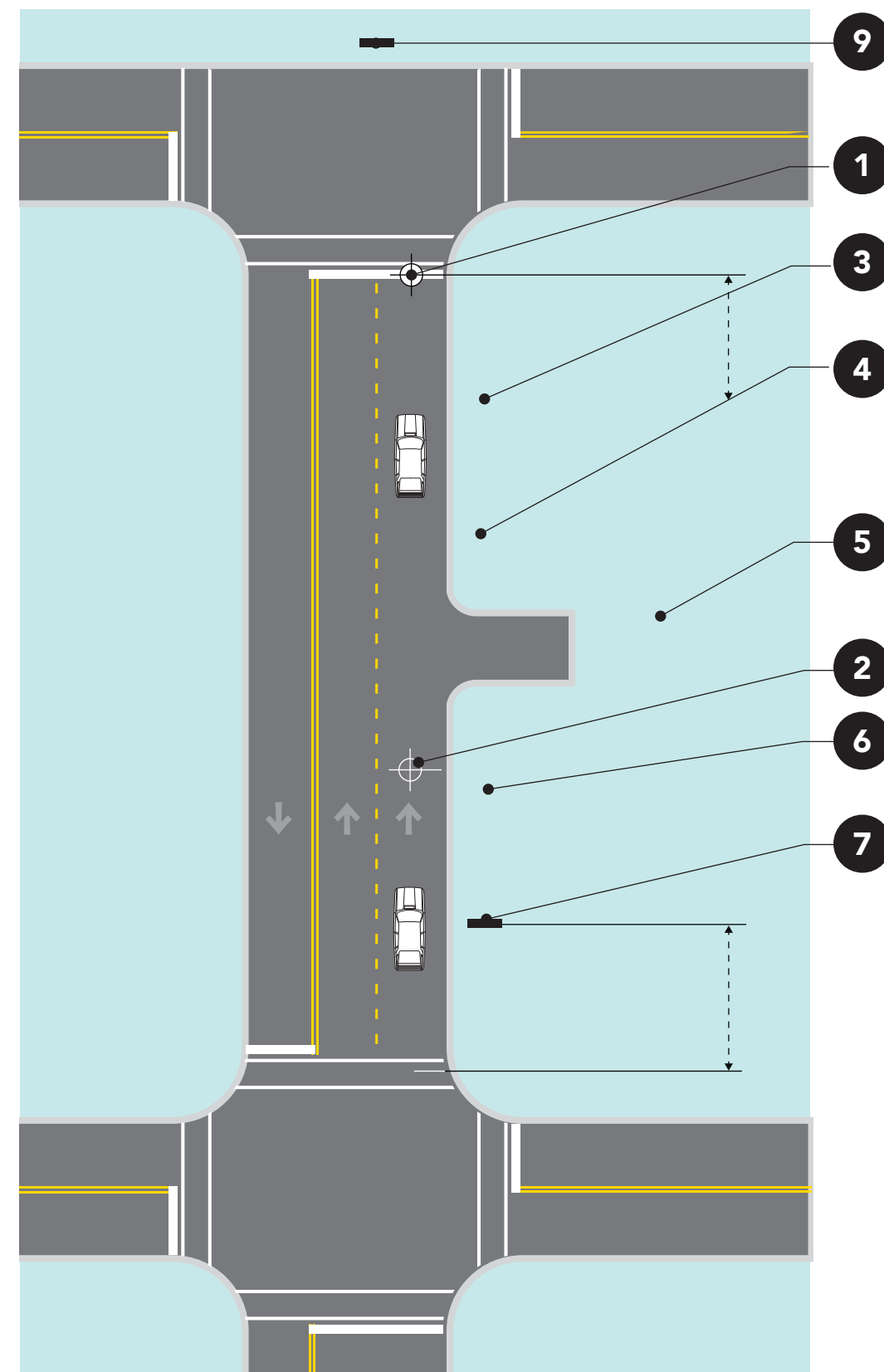
1. In route decision point
2. Destination arrival decision point
3. Vehicular guide signs placed on the driver's right side of the street between 100 and 200 feet before an in-route decision point. If a speed limit is more than 50 mph, vehicular guide signs should be placed between 150 to 300 feet before an in-route decision point.
4. If a second vehicular guide sign is required before an in-route decision point, it may be placed no closer than 50 feet to the following sign. 100 feet is optimal.
5. Destination
6. Vehicular guide signs placed on the driver's right side of the street between 50 and 100 feet before a destination arrival decision point. If speed limit is more than 50 mph, vehicular guide signs should be placed between 100 to 150 feet before a destination arrival decision point.
7. A vehicular guide sign may be placed no closer than 50 feet from a preceding decision point or intersection. 100 feet is optimal.
8. Where the driver's right side of the street is not conducive for sign placement and a street is divided by a median wider than the width of a proposed sign and is not populated with visual barriers or is within the opposing traffic's line of site, guide signs may be placed on the driver's left side in the median. Distance from decision points as indicated
9. Where neither the driver's right or left side of the street is conducive for sign placement and the associated decision point occurs at a "T" intersection, guide signs may be placed on the far side of intersecting street as long as they do not conflict with existing signage, signal lights, store frontage or other critical visual devices.

NOTE: Placement distance between a vehicular guide sign and a decision point may vary depending on speed, number of lanes, congestion and competing visual elements and obstructions.
THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

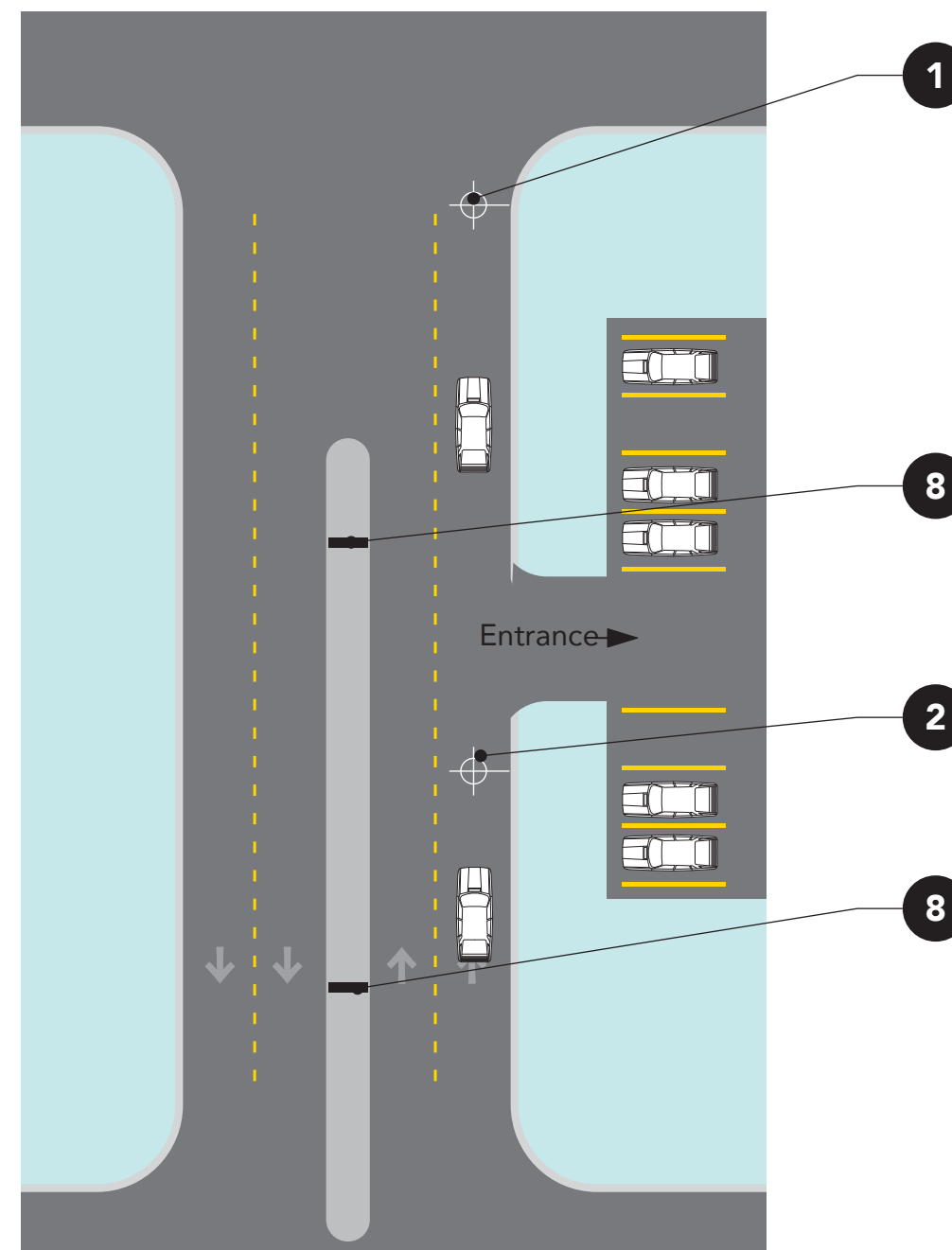
Date	Revisions	Scale
11.30.16		NTS

Client/Project
Appomattox River Trail
Signage Master Plan

Vehicular Guide Placement - Right Side of Street



Vehicular Guide Sign Placement - Left Side of Street



All signs shall be installed to the right of the direction of traffic and where sufficient space is available.

(a) Signs should be located to take advantage of natural terrain, to minimize impacts on scenic environment and to avoid visual conflicts with other signs, trees and lamp-posts within the City right-of-way.

(b) Signs shall be located so as not to interfere with, obstruct or divert driver's attention from any other Official Traffic Control Device. Other Official Traffic Control Devices placed at intersection approaches, subsequent to the placement of a Wayfinding Sign, shall have precedence as to location and may require the relocation of the Wayfinding Sign. In the locations where Official Traffic Control Devices are integrated into the Wayfinding Signage System, the Official Traffic Control Devices shall take precedence with regard to order, space and location, over other information.

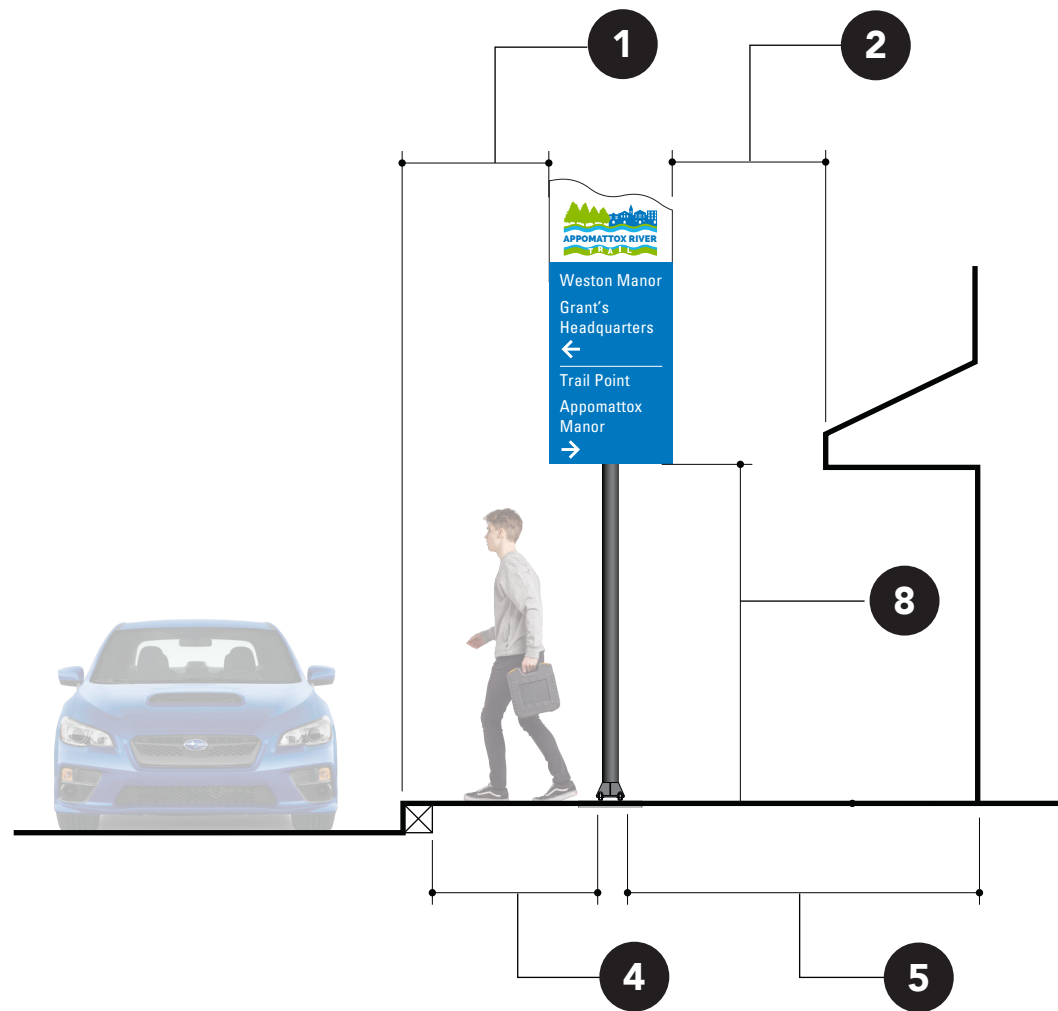
(c) Wayfinding Signs should be positioned in such a manner that does not restrict driver's attention or view when making turns or driving through an intersection.

(d) There should be a goal of one sign per block, although two are permissible, where necessary.

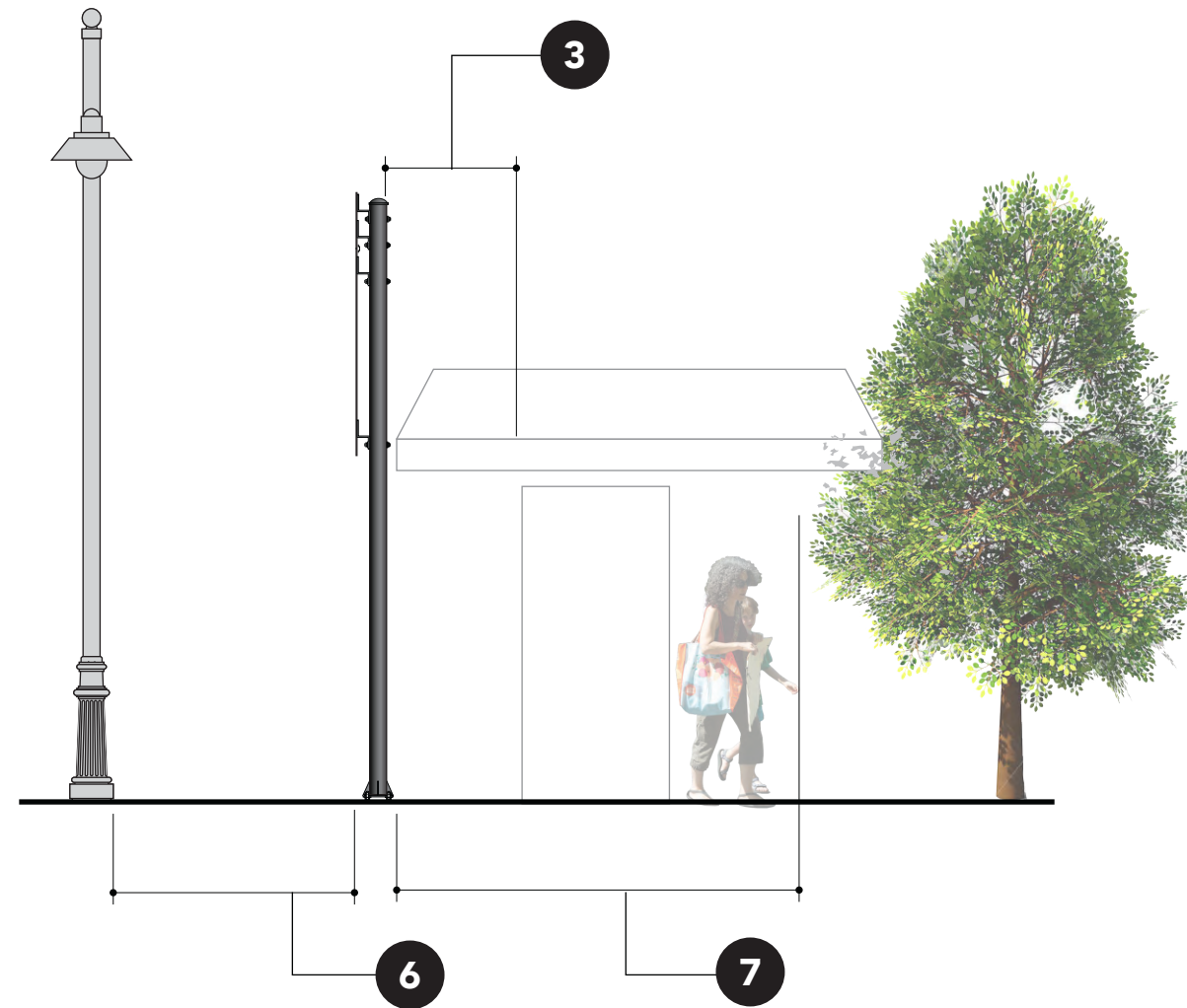
(e) Final sign placement should be verified upon field study of existing conditions. Consult with the local transportation authority for compliance requirements.

PLACEMENT GUIDELINES

Perpendicular to Curb



Parallel to Curb



1. The distance from the curb to the outside edge of the sign panel must be no less than 1'-0".
2. The distance from the edge of the sign panel nearest to a building or projected element must be no less than 2'-0".
3. The front view of a vehicular guide must not obstruct its entrance.
4. If pedestrian traffic is only accessible between the outside edge of the vehicular guide post and the curb, the unobstructed path must be no less than 4'-0".
5. If pedestrian traffic is only accessible between the inside edge of the vehicular guide post and adjacent structures including open doors, the unobstructed path must be no less than 4'-0".
6. The distance from the back of the vehicular guide to the nearest utility pole must not be less than 10'-0" or the distance mandated by local code.
7. The distance from the front of the vehicular guide to the nearest tree or utility pole must not be less than 15'-0".
8. Maintain 7'-0" from grade to bottom of vehicular guide signs. Verify compliance requirements with the governing transportation authority.

THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
11.30.16	1.6.17	NTS

Client/Project
Appomattox River Trail
Signage Master Plan

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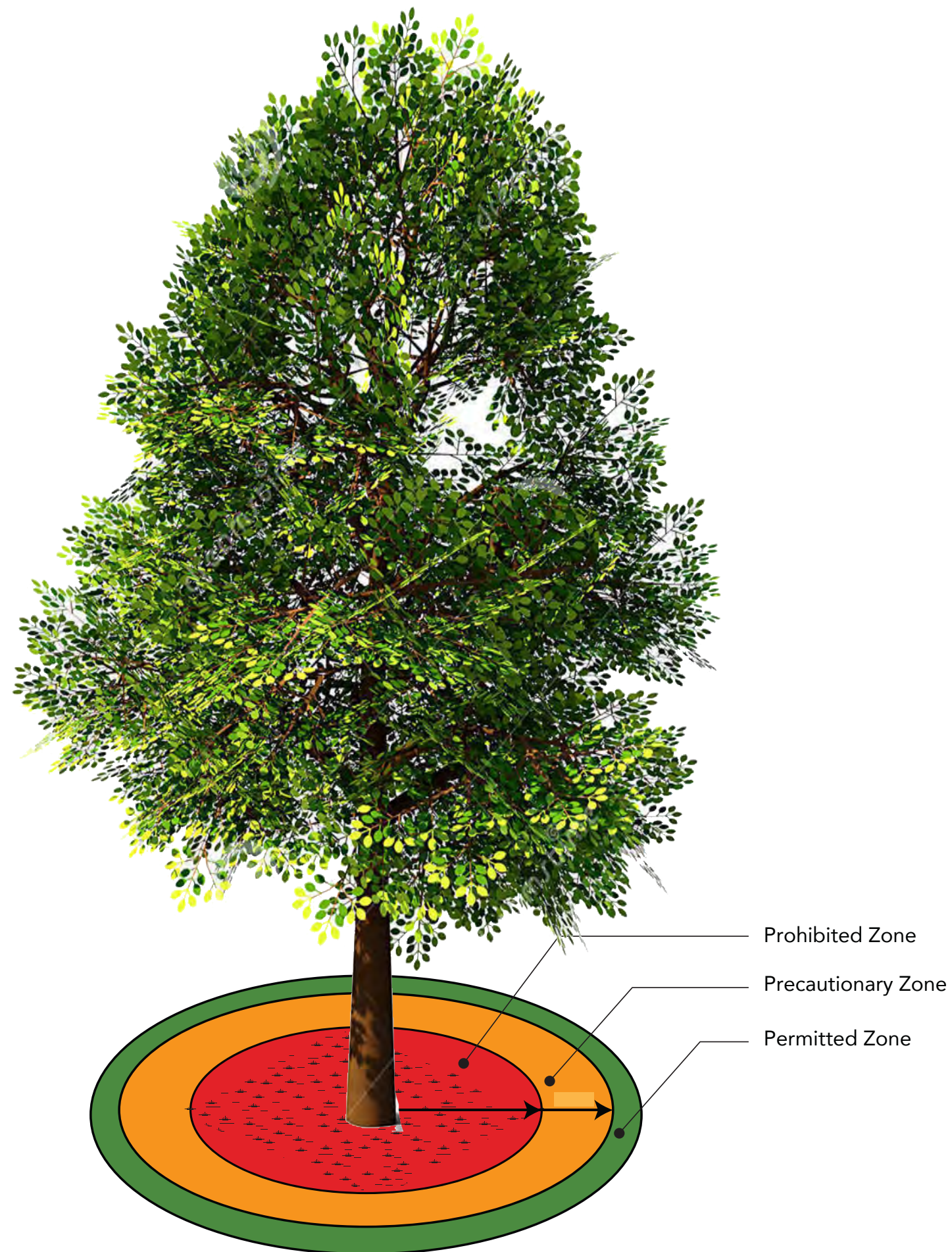
PLACEMENT GUIDELINES

Vegetation and Tree Guidance Requirements

Caution shall be given to sign placement in proximity to existing trees. Tree roots are commonly found 10" beneath ground level. The placement of the signage elements should be located at least 6' from any tree trunk. Every effort shall be made to move any roots to the side of excavation. Works should be no closer than 40" from the tree base. Where excavations must be undertaken within four (4) times the tree circumference the use of mechanical excavations shall be prohibited within the precautionary zone.

NOTE: These drawings are meant for DESIGN INTENT ONLY and are not for construction. Contractor shall verify and be responsible for all dimensions and conditions of the job. Contractor shall be familiar with the site and conditions it presents. Shop drawings and details must be submitted prior to proceeding with fabrication. All copy shall be proofread by client and legal requirements checked by legal department.

THIS DRAWING REPRESENTS DESIGN INTENT ONLY.



Date	Revisions	Scale
11.30.16	1.6.17	NTS

Client/Project
Appomattox River Trail
Signage Master Plan



Waterway Signs





WATERWAY SIGNAGE On-Land Identification

On-land navigational signage: wayfinding to launch locations is the first experience users have with the water trail. All launch entrance-drive locations are to be signed in addition to the land trail signs. Locations are identified with river mile numbers, much like the Interstate Highway System. Launch location references an access number, representing the river mile where the launch is located. Signage at the launch site visible from on-land includes:

- Launch identification at parking area trail identification.
- Identification and distance to next downstream launch. Next downstream launch identification and distance.

1. 1/4" thick aluminum panel.
2. Reflective Graphic Film: White 3M#680 -10 type applied to sign face.
2. Screen printed graphic logo with transparent ink onto reflective sheeting material. Designer will provide art on disk for all logos.

Paint Colors:
C1. Pantone 3005C Blue
Font: Univers 57 Condensed and 67 Bold Condensed.

THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

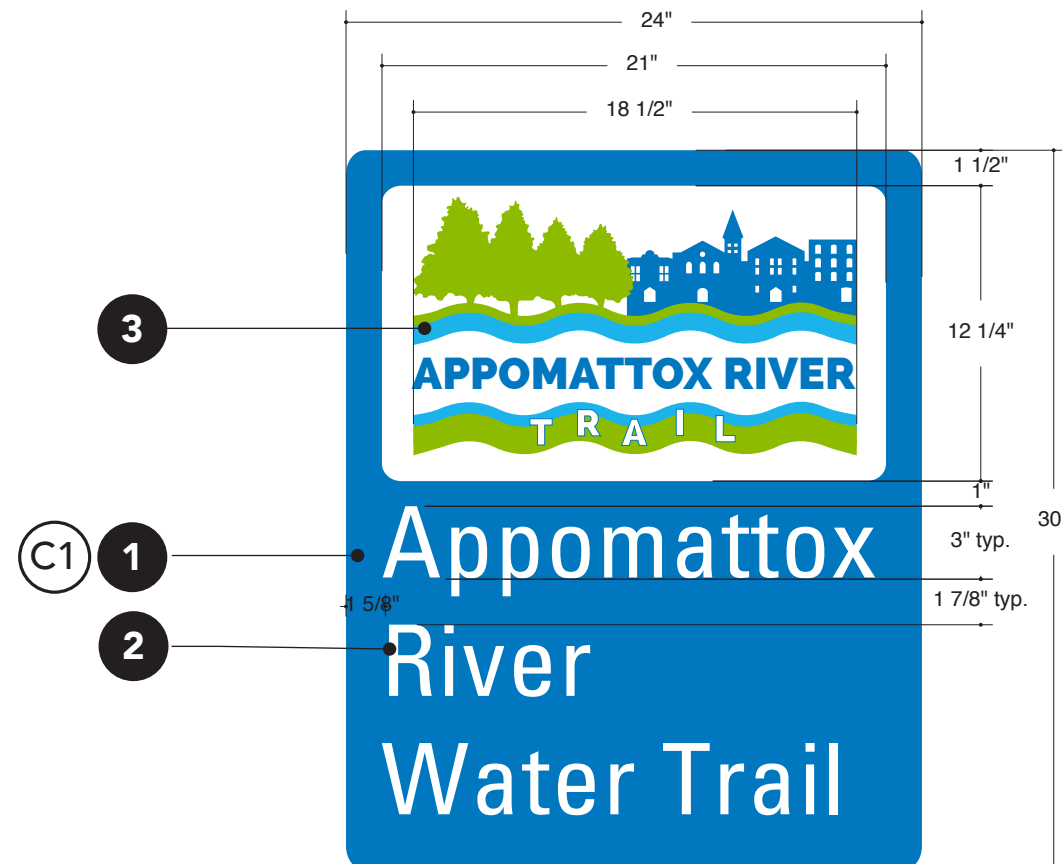
Date	Revisions	Scale
11.30.16		1/8"=1"

Client/Project
Appomattox River Trail
Signage Master Plan

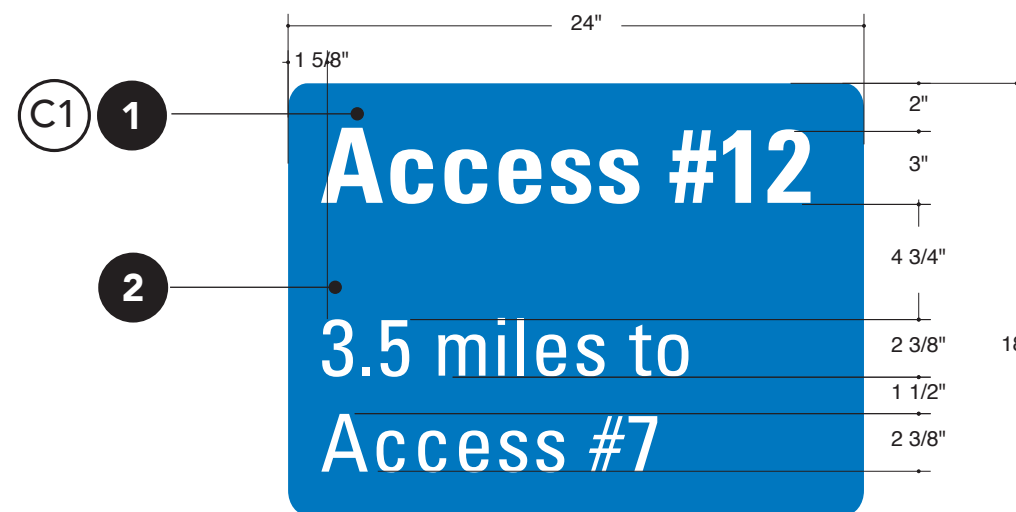
© 2017 AB Design, Inc.

4.1

WATER TRAIL LOGO AND NAME



NEXT DOWNSTREAM LAUNCH IDENTIFICATION AND DISTANCE



WATERWAY SIGNAGE

On-Land Information Components

Water trails signage includes all signs associated with wayfinding, navigation, and use information viewed from both on-land and on-water.

Locations are identified with river mile numbers, much like the Interstate Highway System. Launch location references both an access number, representing the river mile where the launch is located, and the launch's formal name. River miles are calculated beginning with 0 (zero) at the mouth of a stream and progressing upstream.

Launch locations will be included in trail land signs. Components can be used combined as needed, in addition to trail signs.

1. 1/4" thick aluminum panel.
2. Reflective Graphic Film: White 3M#680 -10 type applied to sign face.

Paint Colors:
C1. Pantone 3005C Blue
Font: Univers 57 Condensed and 67 Bold Condensed.

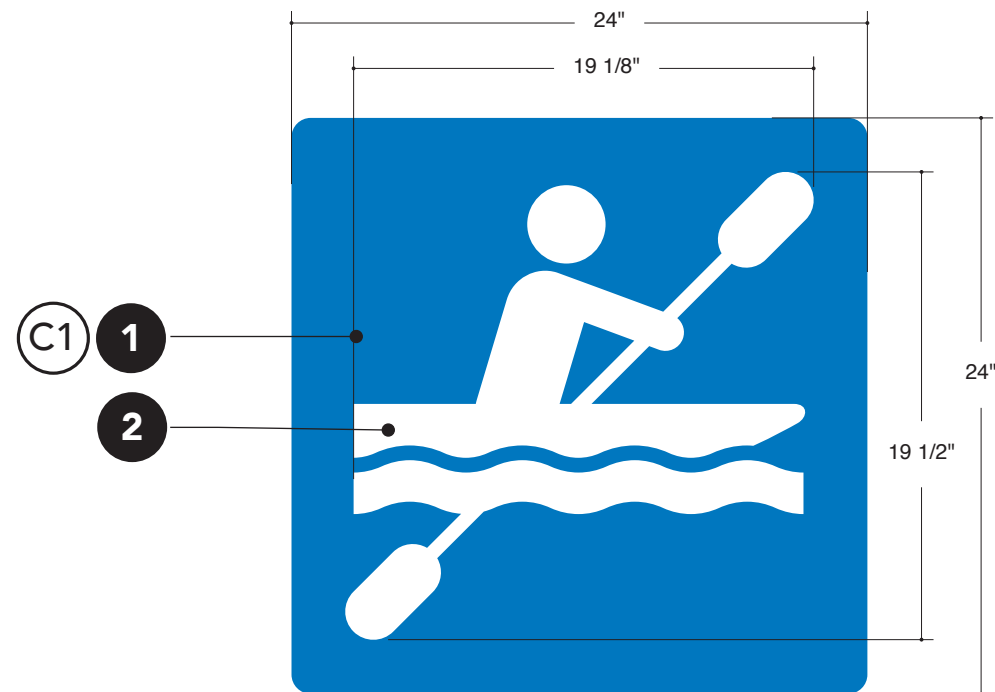
All signs to comply with regulations from the US Coast Guard and the Virginia Department of Game and Inland Fisheries.

THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

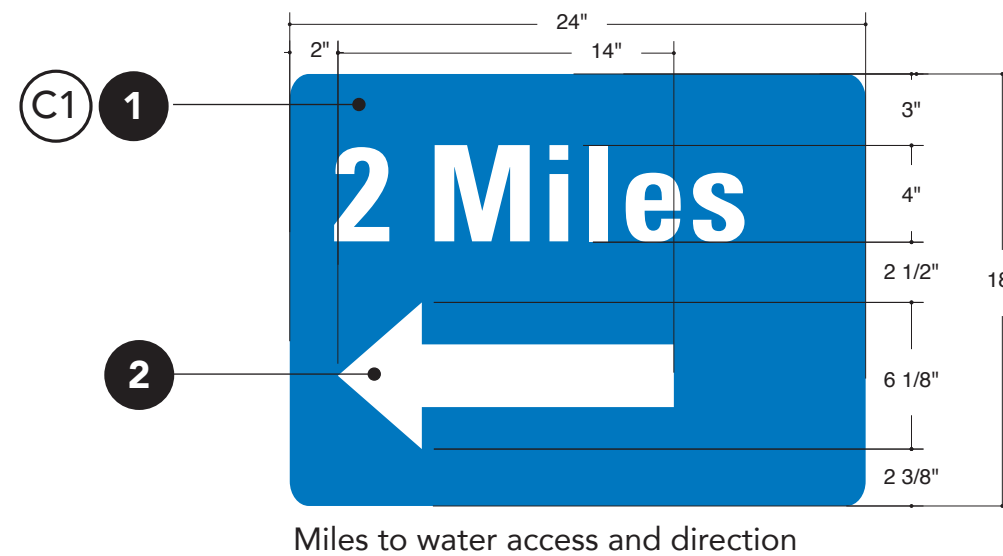
Date	Revisions	Scale
11.30.16		1/8"=1"

Client/Project
Appomattox River Trail
Signage Master Plan

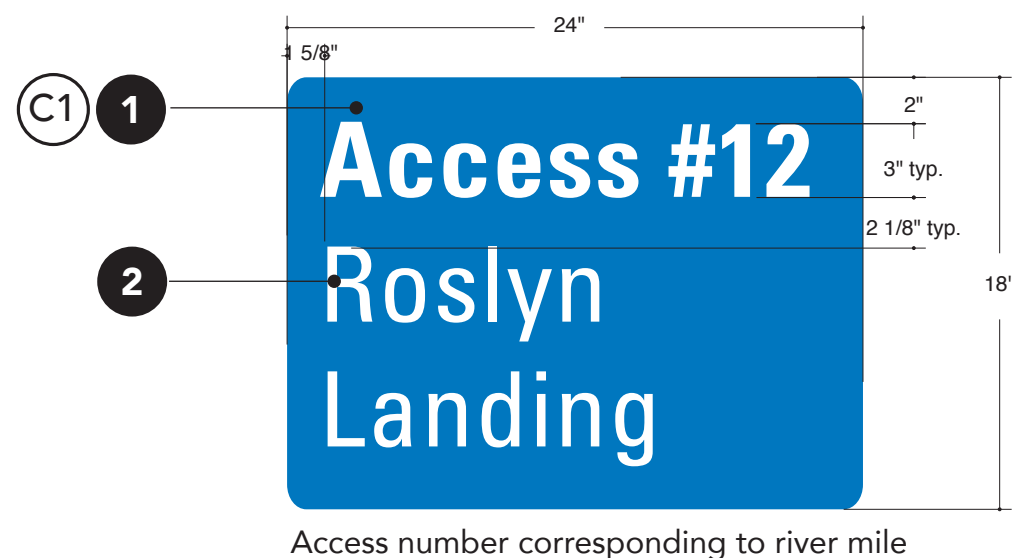
WATER TRAIL SYMBOL



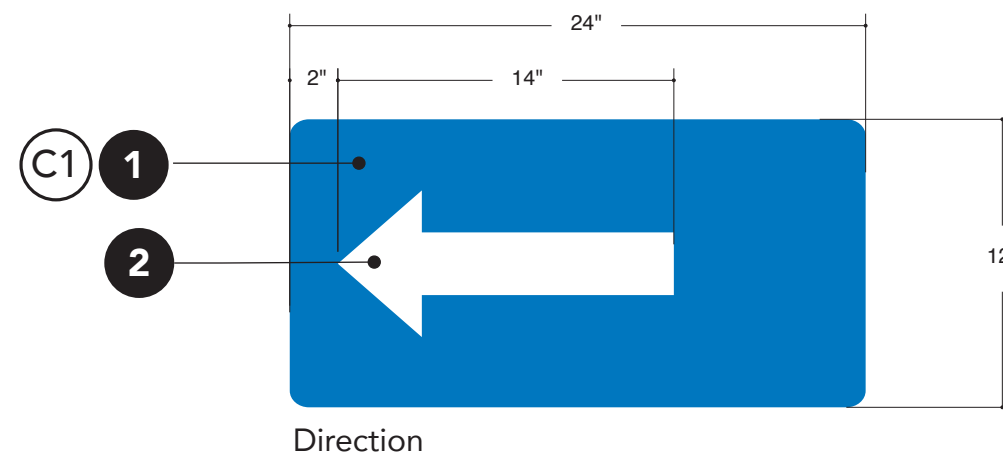
ARROW SIGN WITH MILES



ACCESS POINT IDENTIFIER



ARROW SIGN



WATERWAY SIGNAGE
On-Land Information
Combination

Water trails signage includes all signs associated with wayfinding, navigation, and use information viewed from both on-land and on-water. Locations are identified with river mile numbers, much like the Interstate Highway System. Launch location references both an access number, representing the river mile where the launch is located, and the launch's formal name. River miles are calculated beginning with 0 (zero) at the mouth of a stream and progressing upstream. Launch locations will be included in trail land signs. Components can be used combined as needed, in addition to trail signs. All signs to comply with regulations from the US Coast Guard and the Virginia Department of Game and Inland Fisheries.

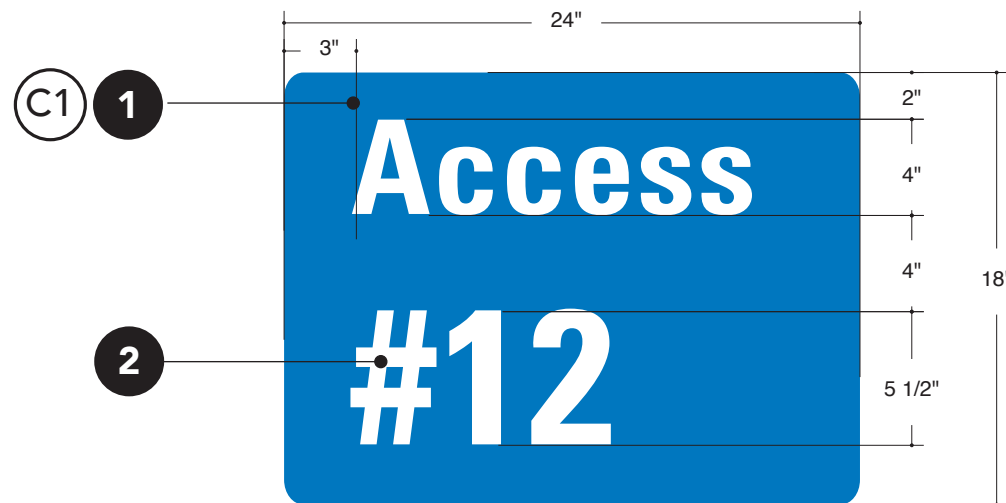
THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
11.30.16		1/8"=1"

Client/Project
Appomattox River Trail
Signage Master Plan

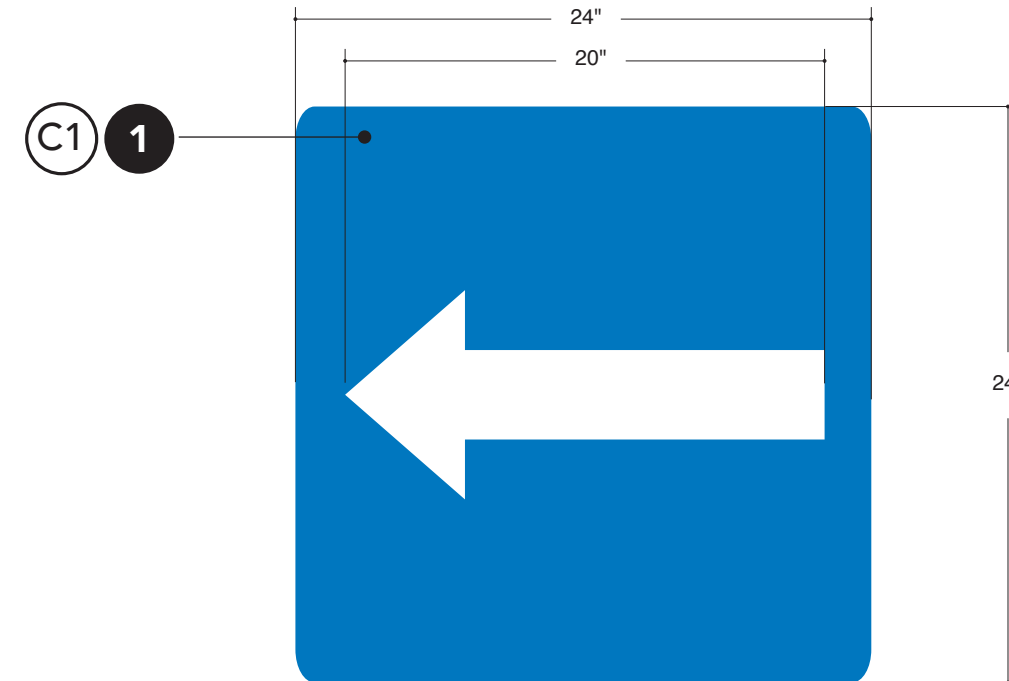


ON-WATER LAUNCH IDENTIFIER



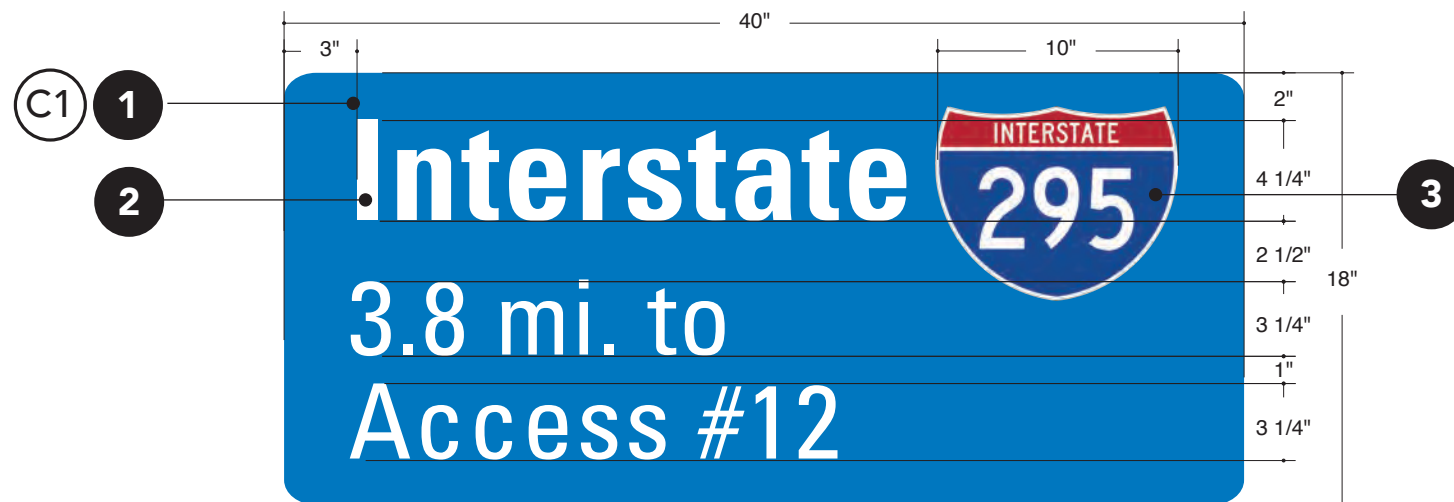
Access number corresponding to river mile

BOAT NAVIGATION ARROW



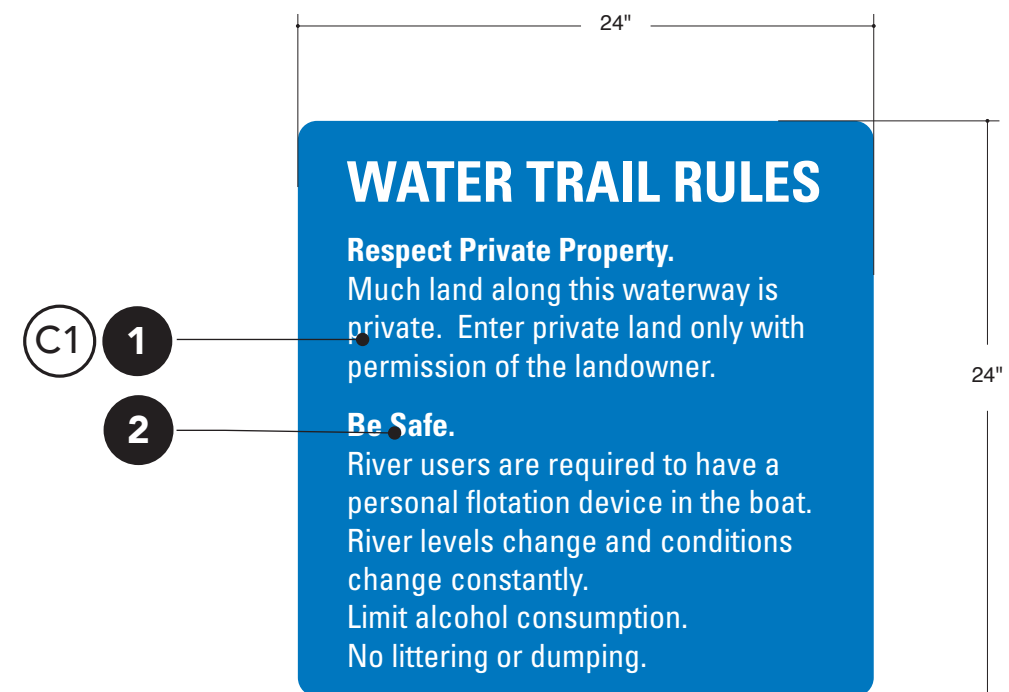
Arrow to be vertically and horizontally centered on the panel

BRIDGE SIGNAGE FOR NAVIGATION



Sign size may be adjusted for amount of text; stencils may be used in lieu of this sign

WATER TRAIL RULES



NOTE: Panel copy is an example. Final copy will be provided at the time of fabrication.

WATERWAY SIGNAGE

On-water Navigational Signage

River navigators unsure of a water trail route and those navigating longer distances would benefit from location information visible from on-water. Additional signage visible from on-water includes:

- On-water launch identifier
- Identification of the next upcoming launch
- Bridge identification
- Boat navigation arrow
- Water Trail Rules

1. 1/4" thick aluminum panel.
2. Reflective Graphic Film: White 3M#680 -10 type applied to sign face.
3. Vinyl surface applied logotype.

Paint Colors:

C1. Pantone 3005C Blue
Font: Univers 57 Condensed and 67 Bold Condensed.

All signs to comply with regulations from the US Coast Guard and the Virginia Department of Game and Inland Fisheries.

THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

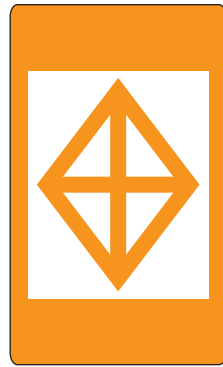
Date	Revisions	Scale
11.30.16		1/8"=1"

Client/Project
Appomattox River Trail
Signage Master Plan

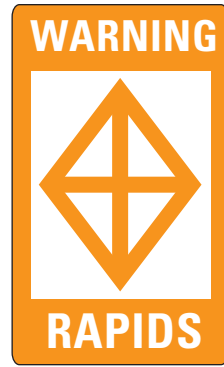
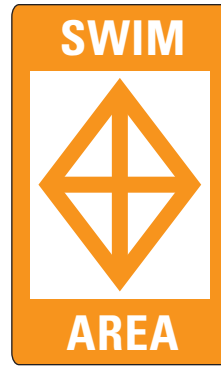
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INFORMATION AND REGULATORY MARKS

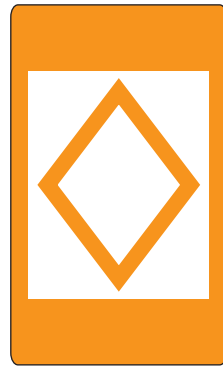
BOATS KEEP OUT



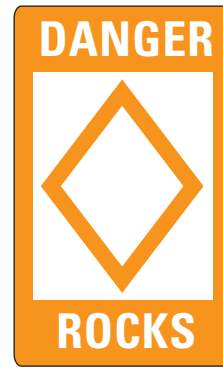
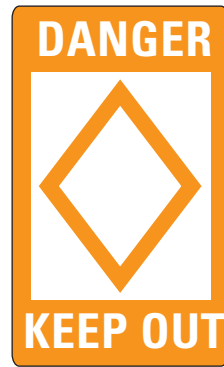
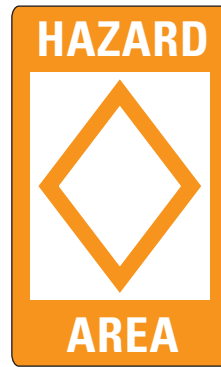
VARIATIONS



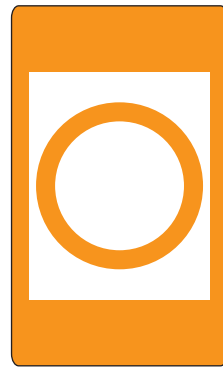
DANGER



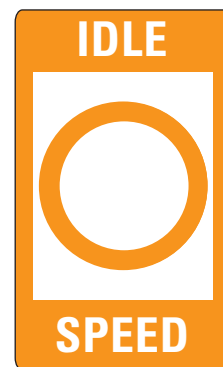
VARIATIONS



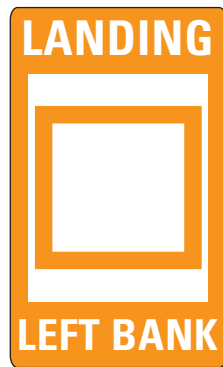
CONTROLLED AREA



VARIATIONS



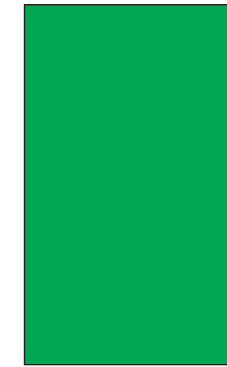
INFORMATION



VARIATIONS

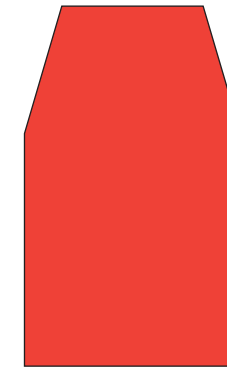
LATERAL SYSTEM

CHANNEL



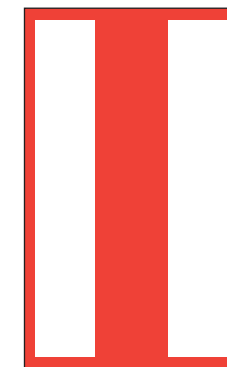
Lateral system.
Buoy on port side
facing upstream.

CHANNEL



Lateral system.
Buoy on starboard side
facing upstream.

MID CHANNEL



Lateral system.
Pass close on
either side.

MOORING BUOY



White with reflective
blue band.
May have white
light or reflector.



WATERWAY SIGNAGE
U.S. Aids To Navigation
System

The aids to navigation system can provide a boater with information similar to that which drivers get from street signs, stop signals, road barriers, detours, and traffic lights. GENERAL LOCATIONS OF HAZARD SIGNS

The specific types and sizes of warning signs needed for each hazard on the water trail are determined individually using a consistent set of criteria. Once the sign design and size is determined, each sign is located adjacent to the hazard based on hydraulic criteria and other local conditions. For example warnings could include unsafe currents or high-current areas are known as "drowning zones." All signs viewed from the water are typically sited on the bank at a 45-degree angle facing upstream. Any sign placed on the banks should be as far above the bankfull water elevation as possible. Depending on local conditions, alternative mounting systems such as buoys or bridges may be used, in which case the signs may face directly upstream or downstream.

Signs to include vandal proof coating using 3MTM Premium Protective Overlay Film Series 1160.

All signs to comply with regulations form the US Coast Guard and the Virginia Department of Game and Inland Fisheries.

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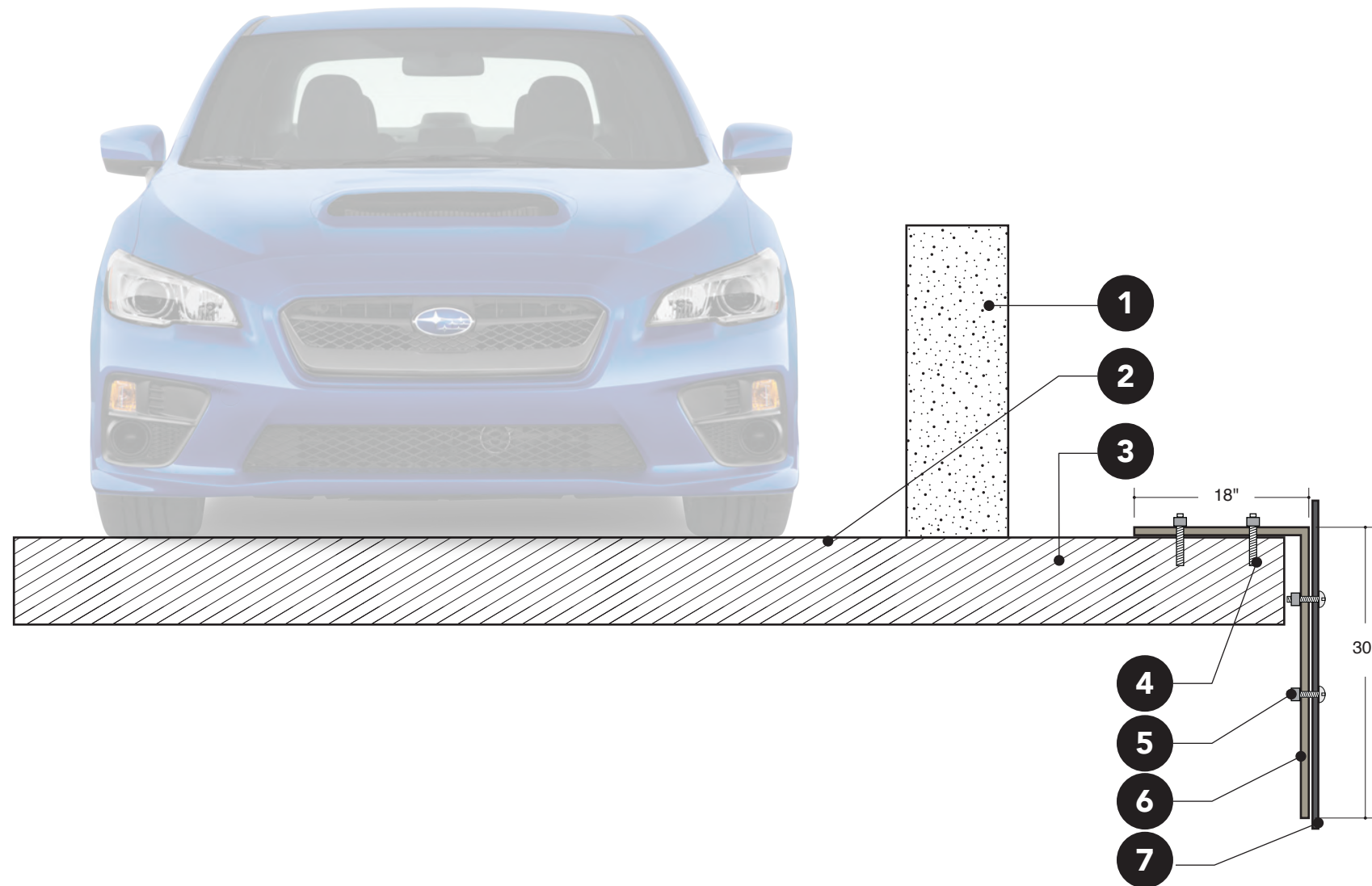
Date	Revisions	Scale
11.30.16		NTS

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Appomattox River Trail
Signage Master Plan

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WATERWAY SIGNAGE
Installation

Side View



1. Barrier wall.
2. Bridge travel surface.
3. Bridge deck.
4. 5/8" x 4" anchor bolts with nuts and washers (for concrete bridge) or carriage bolts with nuts and washers for wooden decks.
5. 3/8" carriage bolts with nuts and washers.
6. Steel bar bent 90° to form L-bracket.
7. Sign face.

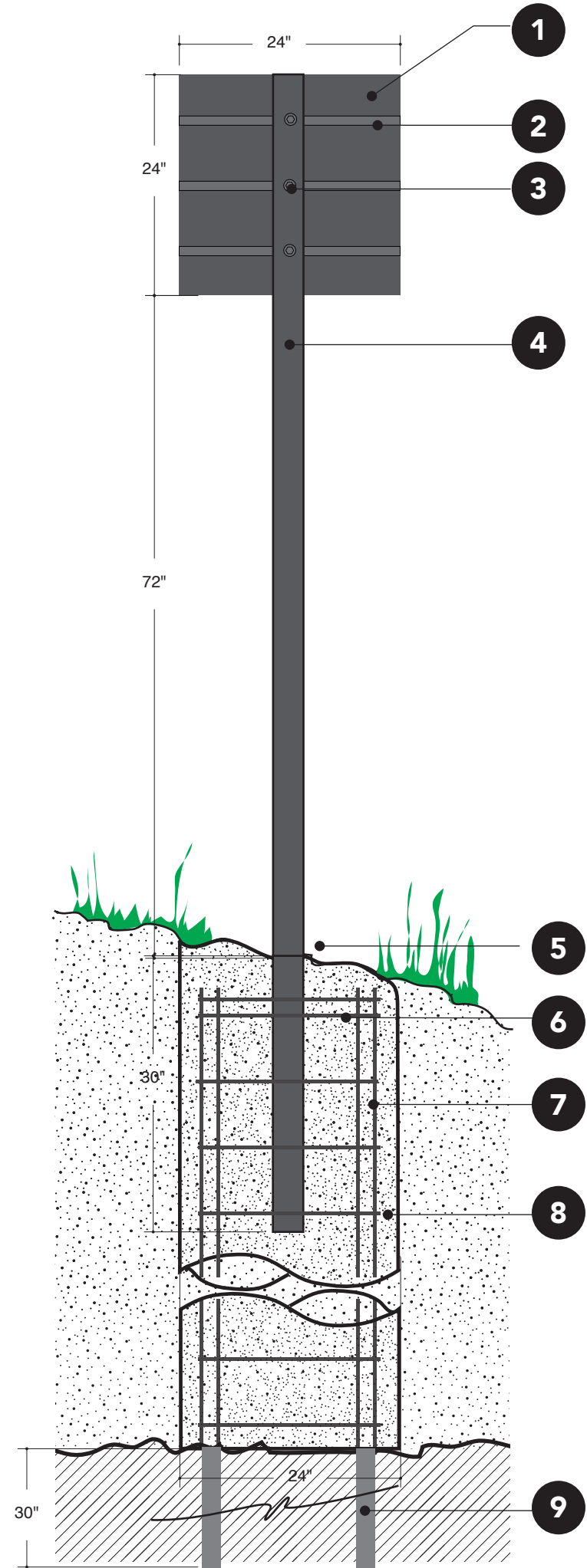
THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
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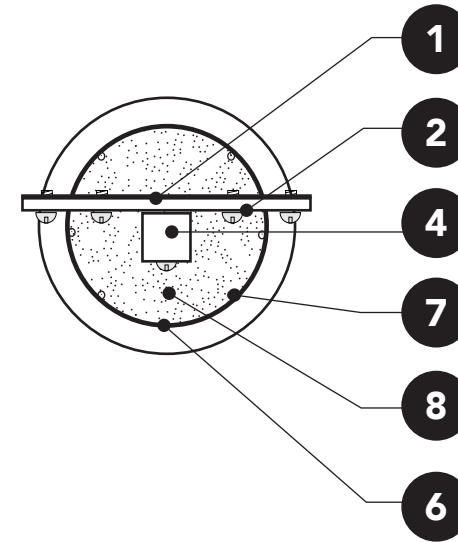
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Appomattox River Trail
Signage Master Plan

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SINGLE OR DOUBLE
STEEL POST INSTALLATION



Top View



WATERWAY SIGNAGE
Installation

1. Sign face
2. Reinforcement tubing, 1"x1"1" tubing 1/8" thickness.
3. 3/8" diameter 2" -long carriage bolts with nuts and washers.
4. Structural steel sign post, 4"x4" tubing 1/4" thickness, or 4" I-beam.
5. Top of footing formed to match grade slope.
6. Horizontal reinforcing hoops, 3/8" thick, 12" maximum vertical spacing.
7. Vertical reinforcing bars, 3/8", 5/8" long.
8. Poured concrete footing. Footing keyed into solid rock at least 3".
9. Optional Bedrock Footing: Pre-drilled holes twice the reinforcing bar's diameter, filled with concrete, with reinforcing bar inserted.

THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
11.30.16		3/4"=1'

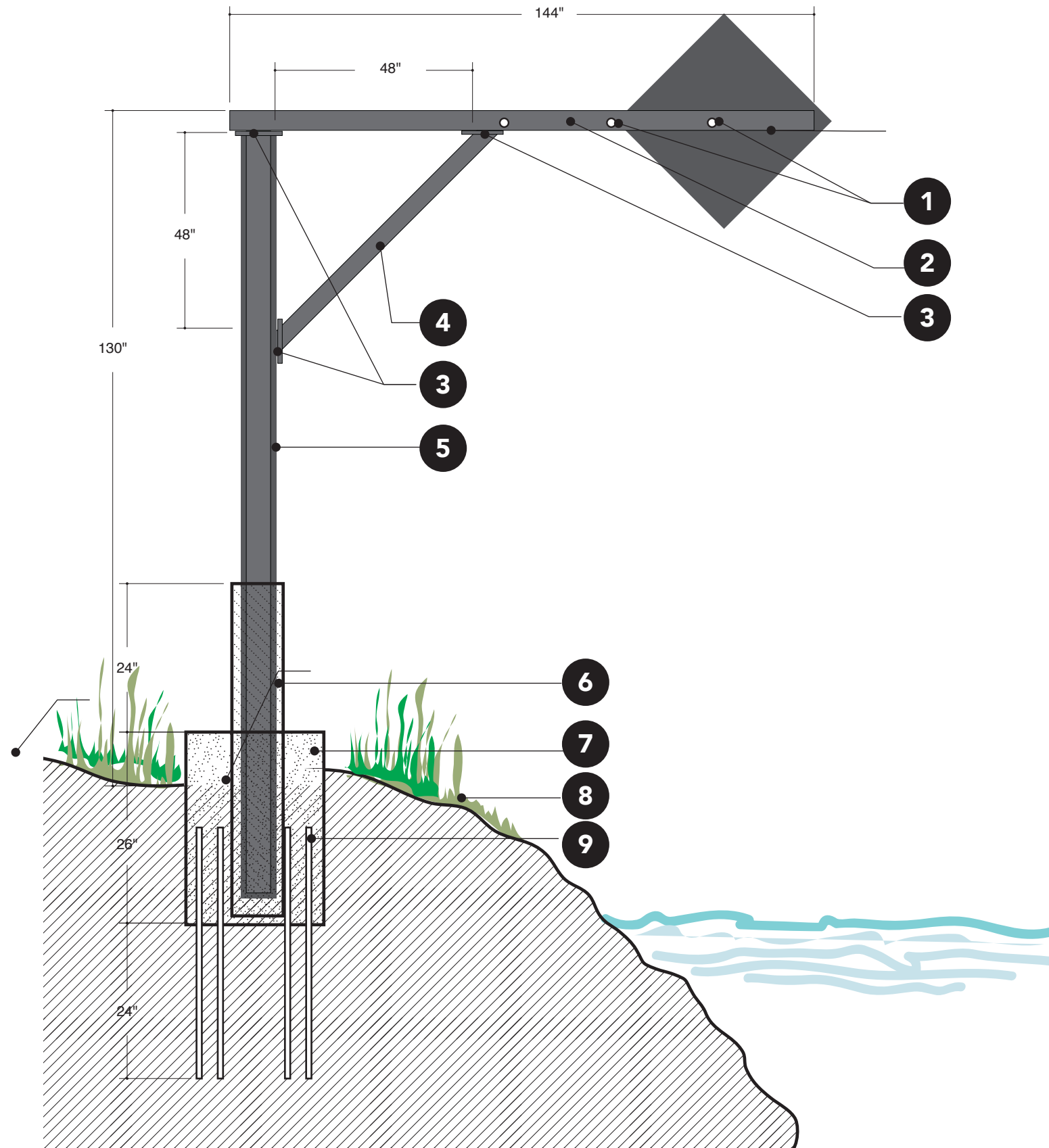
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Appomattox River Trail
Signage Master Plan

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CANTILEVERED SIGN INSTALLATION



WATERWAY SIGNAGE Installation



1. 3/8" carriage bolts with nuts and washers .
2. Square channel beam, sized according to sign size.
3. Continuous-weld connection.
4. 5'8" long (inner dimension) square-channel angle brace, sized according to sign size.
5. Steel I-beam, sized according to sign size.
6. 8" culvert sleeve filled with concrete.
7. 55-gallon drum filed with concrete.
8. River bank.
9. 48"x 1/4" rebar

THIS DRAWING REPRESENTS DESIGN INTENT ONLY.

Date	Revisions	Scale
11.30.16		3/8" = 1'

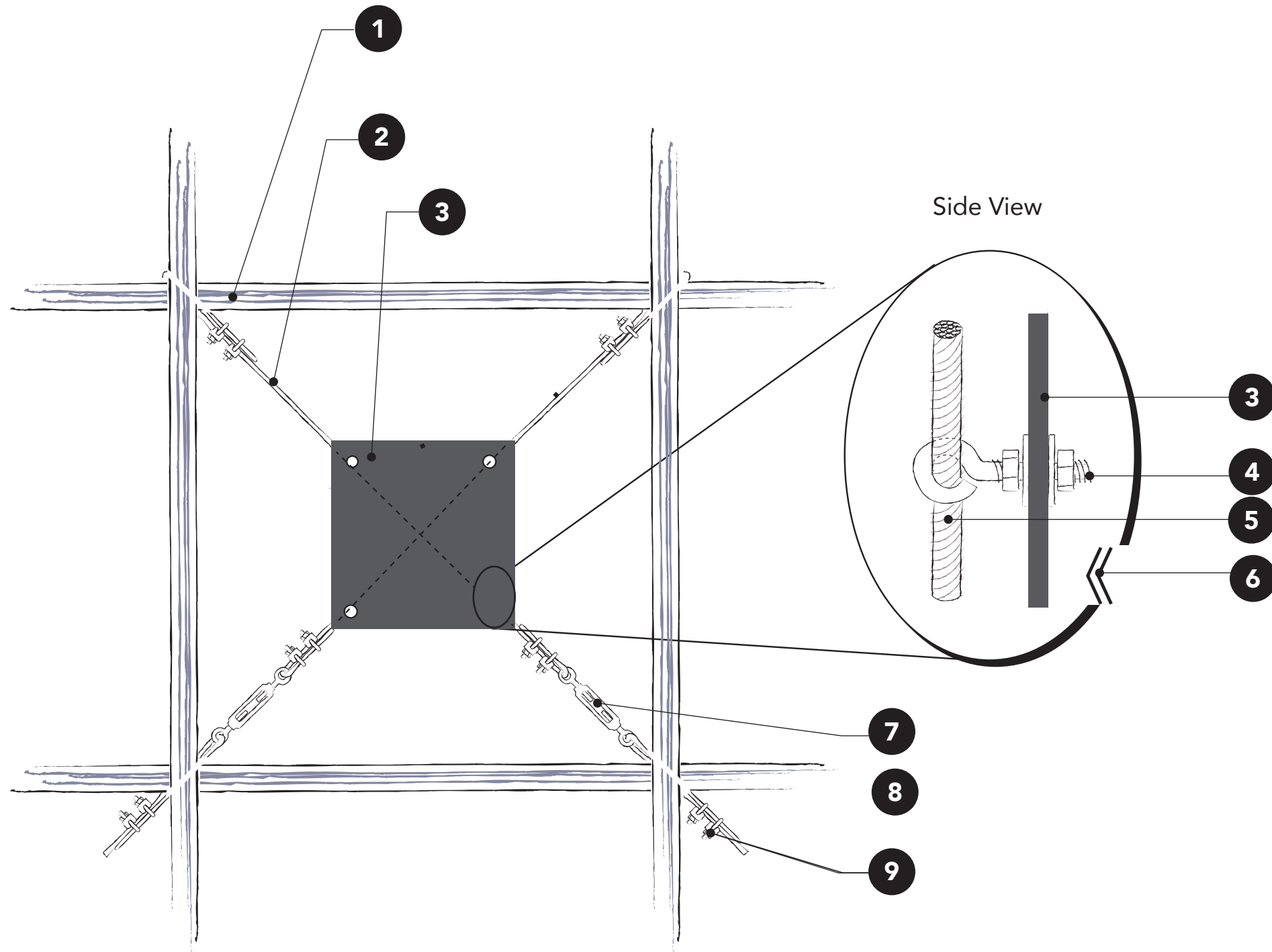
Client/Project
Appomattox River Trail
Signage Master Plan

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BRIDGE SIGN INSTALLATION



WATERWAY SIGNAGE Installation



1. Trestle bridge frame.
2. 1/4" Steel cable tensioned at 45° from the 4 corners of the bridge frame.
3. Sign face.
4. Secure sign on 3/8" x 4" eye bolt with a lock nut and flat washer on each side of sign.
5. Thread cable through eye bolt.
6. Water flow.
7. 3/4" "x6" Eye to eye turnbuckle.
8. Use 1/4" cable thimble to prevent cable from bending to tight at connections.
9. Two 1/4" cable clamps at each connection with U-bolt resting on short section of cable.

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Date	Revisions	Scale
11.30.16		NTS

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Signage Master Plan

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Programming

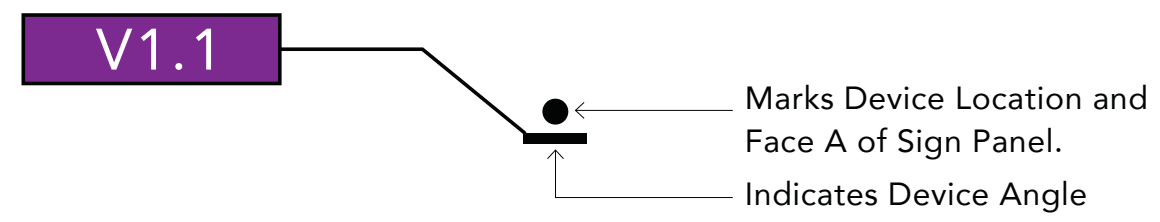
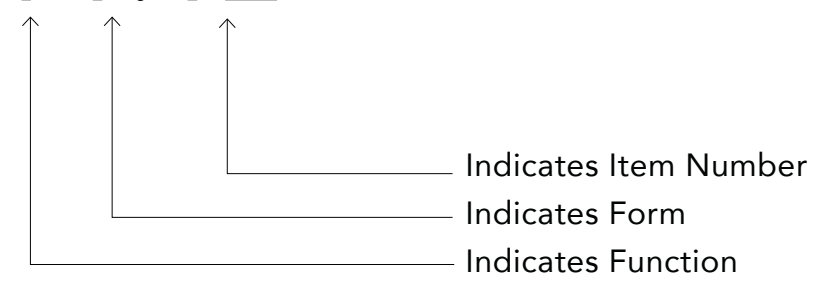


- B** Banner - Hanging graphics, usually from street light standards
- E** Exhibit (Interpretive) Tells a story about a place, object or event, often with graphics
- G** Gateway - Marks arrivals to counties towns and districts
- K** Kiosk - Free standing structure provides visitor information
- P** Pedestrian Guide - Provides guidance for pedestrians to places within walking distance
- PA** Parking Sign - identifies parking areas
- R** Regulatory - intended to control or prohibit behavior or an action
- TR** Trailhead Sign- Used to identify trail starting points
- V** Vehicular Guide - Provides route navigation for vehicular traffic

Sign Type Numbering System

The Appomattox River Trail Master Plan utilizes a labeling system that represents a device's function, form and an individualized item number. Each sign is assigned a unique number derived from this system and is used in the Message Schedule and Sign Location Plan. The colors displayed above are used in the Sign Location Plan to aid in quick identification.

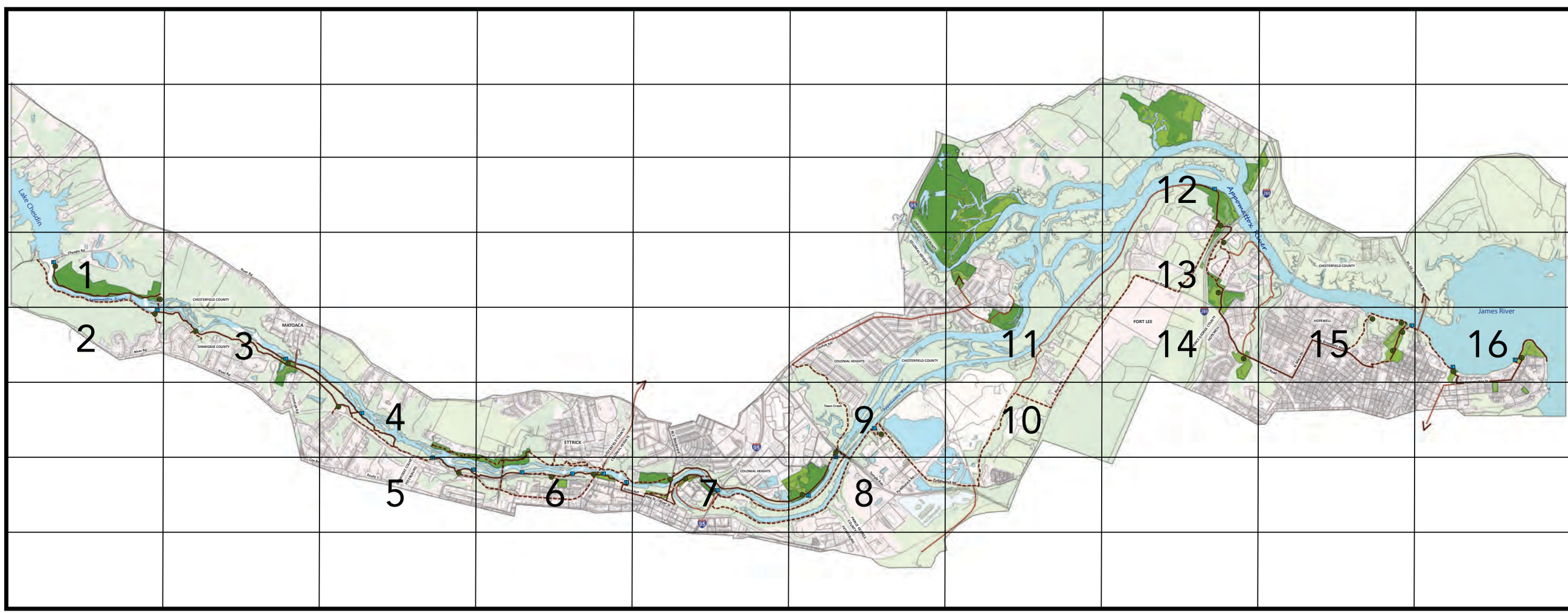
V1.12





PROGRAMMING

Key Plan



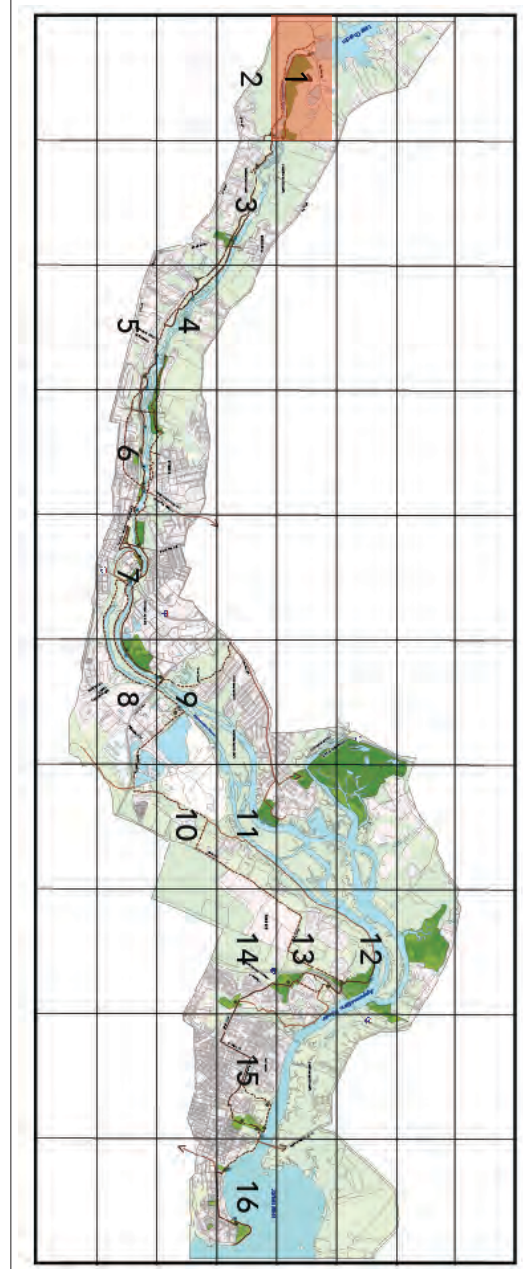
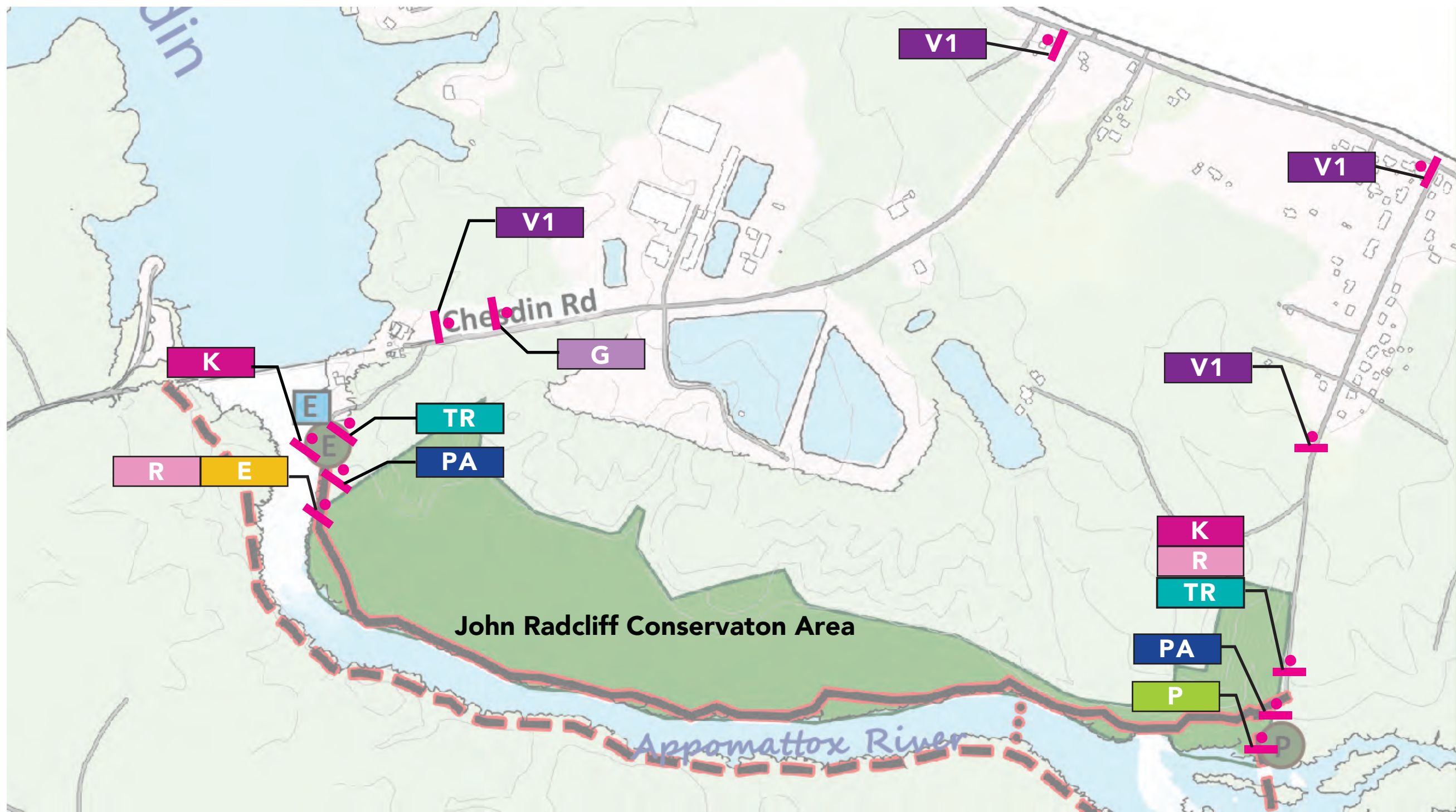
Numbers within the grid represent pages where corresponding plan sections with sign locations are found. NOTE: Locations are approximate. Sign Contractor shall verify locations on site with Trail Representative prior to start of fabrication.

Date	Revisions	Scale
12.19.16	1.9.17	NTS

Client/Project
Appomattox River Trail
Signage Master Plan

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PROGRAMMING
Sign Location Plan
Area 1



SIGNTYPES KEY

- | | |
|---------------------------------|--------------------------------|
| B Banner | PA Parking Sign |
| E Exhibit (Interpretive) | R Regulatory |
| G Gateway | TR Trailhead |
| K Kiosk | V Vehicular Directional |
| P Pedestrian Directional | |

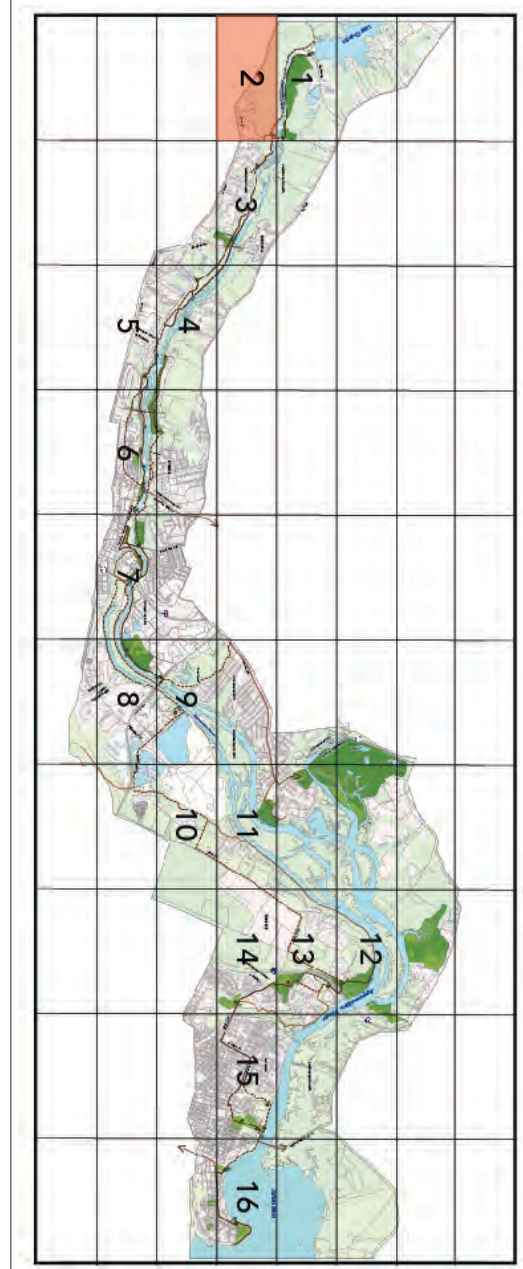
TRAIL KEY

- | | |
|--------------------|------------------|
| Trail Access Point | Park |
| River Access Point | Existing Trail |
| E Existing | Proposed Trail |
| P Proposed | Conceptual Route |

Date	Revisions	Scale
12.19.16	12.23.16	NTS

Client/Project
Appomattox River Trail
Signage Master Plan

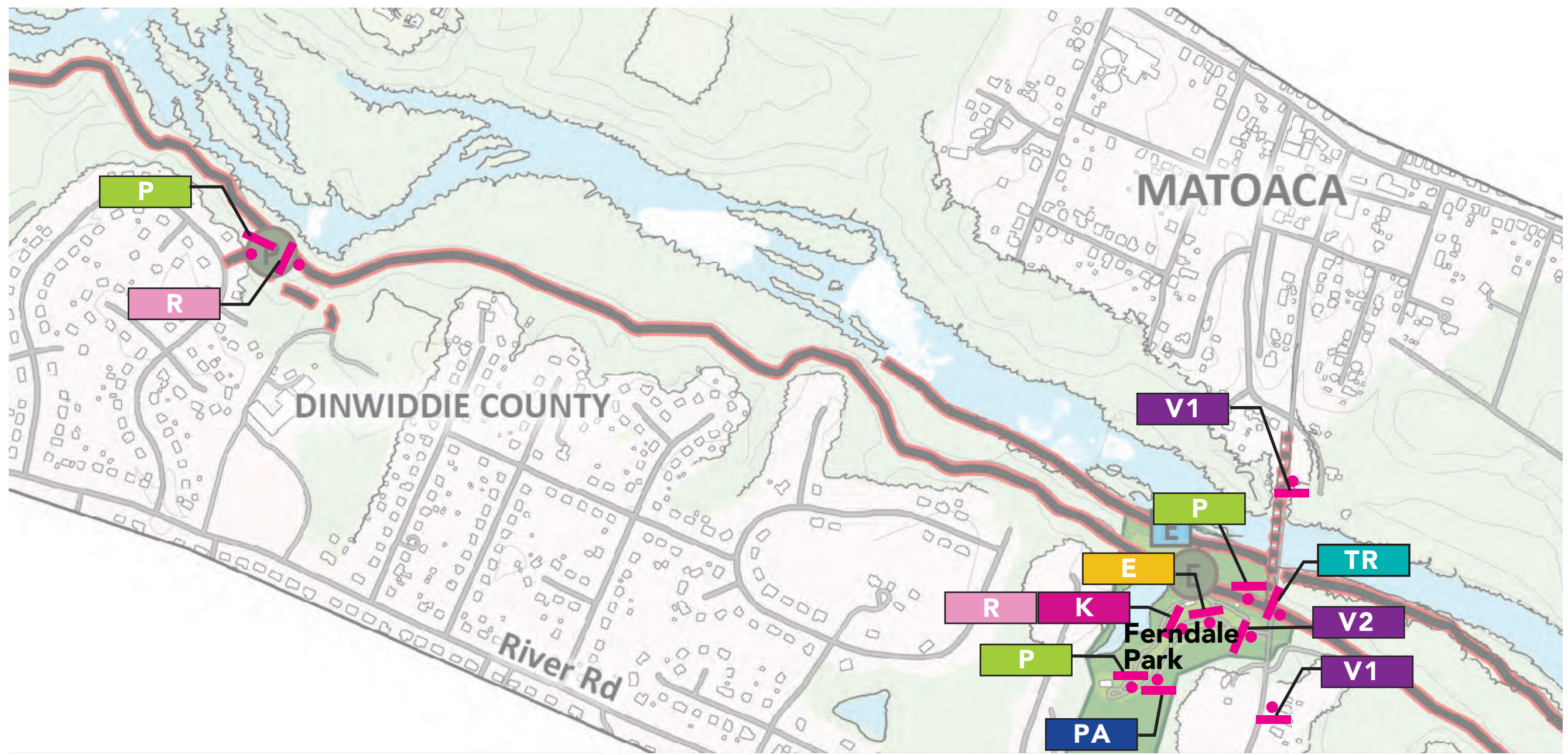
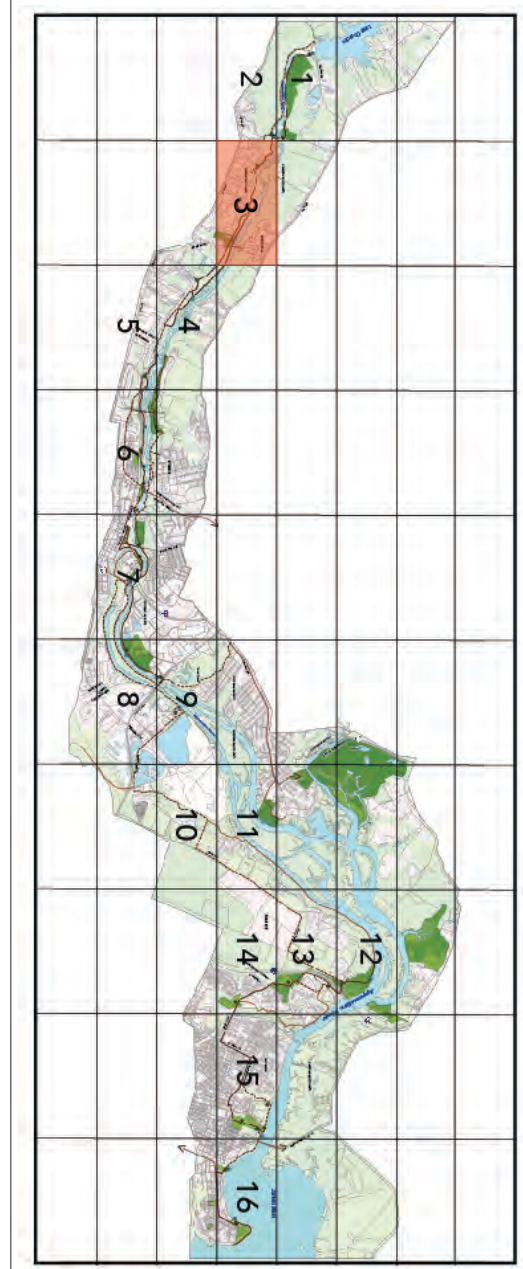
PROGRAMMING
Sign Location Plan
Area 2



SIGNTYPES KEY		TRAIL KEY	
B Banner	PA Parking Sign	 Trail Access Point	 Park
E Exhibit (Interpretive)	R Regulatory	 River Access Point	 Existing Trail
G Gateway	TR Trailhead	 Existing	 Proposed Trail
K Kiosk	V Vehicular Directional	 Proposed	 Conceptual Route
P Pedestrian Directional			

Date	Revisions	Scale
12.19.16	12.23.16	NTS



PROGRAMMING
Sign Location Plan
Area 3



SIGNTYPES KEY

- | | |
|---------------------------------|--------------------------------|
| B Banner | PA Parking Sign |
| E Exhibit (Interpretive) | R Regulatory |
| G Gateway | TR Trailhead |
| K Kiosk | V Vehicular Directional |
| P Pedestrian Directional | |

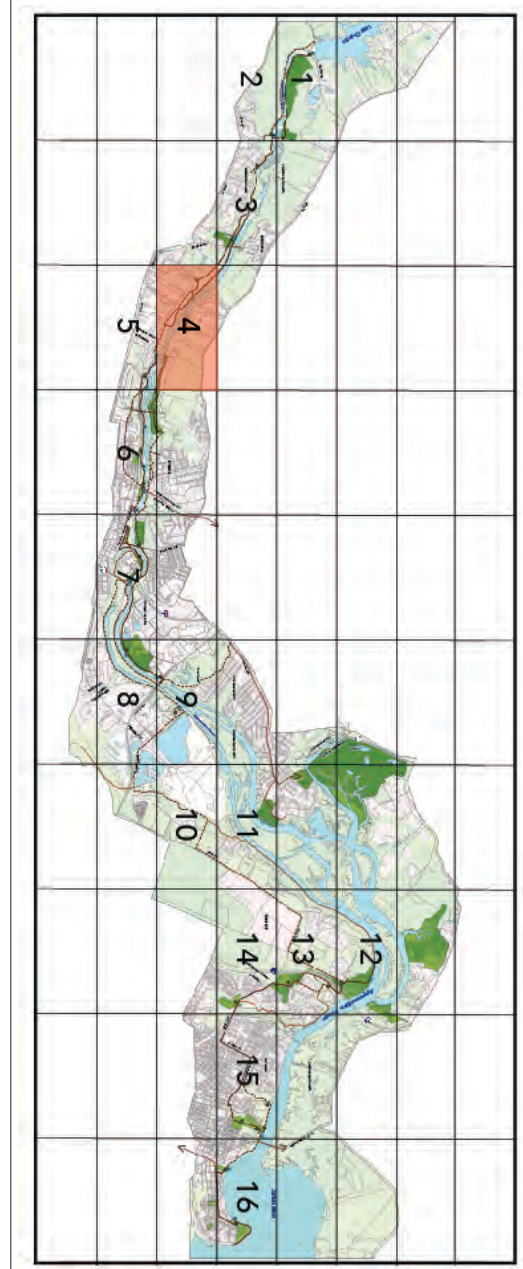
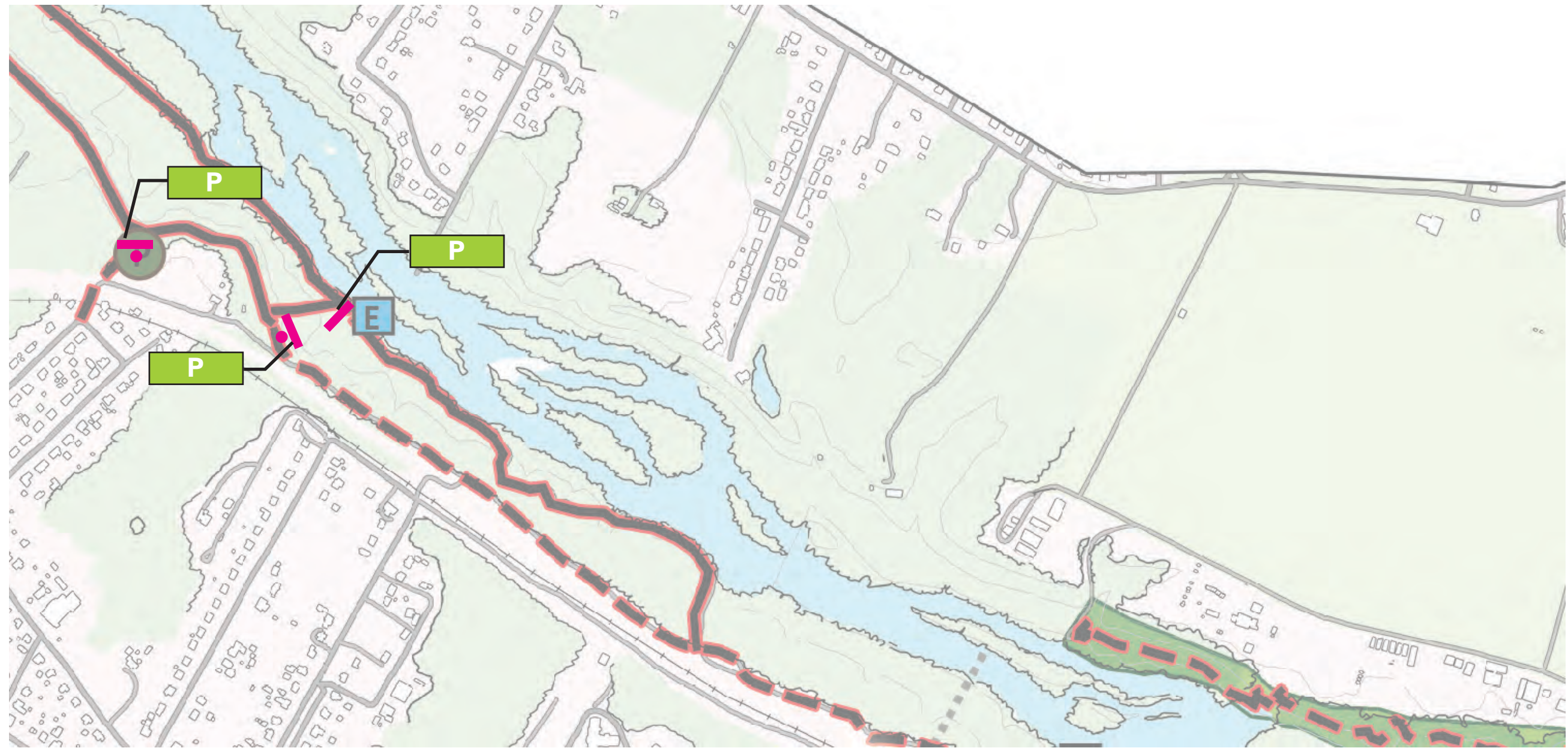
TRAIL KEY

- | | |
|--|--|
|  Trail Access Point |  Park |
|  River Access Point |  Existing Trail |
| E Existing |  Proposed Trail |
| P Proposed |  Conceptual Route |

Date	Revisions	Scale
12.19.16	12.23.16	NTS

Client/Project
Appomattox River Trail
Signage Master Plan

PROGRAMMING
Sign Location Plan
Area 4



SIGNTYPES KEY

- | | |
|---------------------------------|--------------------------------|
| B Banner | PA Parking Sign |
| E Exhibit (Interpretive) | R Regulatory |
| G Gateway | TR Trailhead |
| K Kiosk | V Vehicular Directional |
| P Pedestrian Directional | |

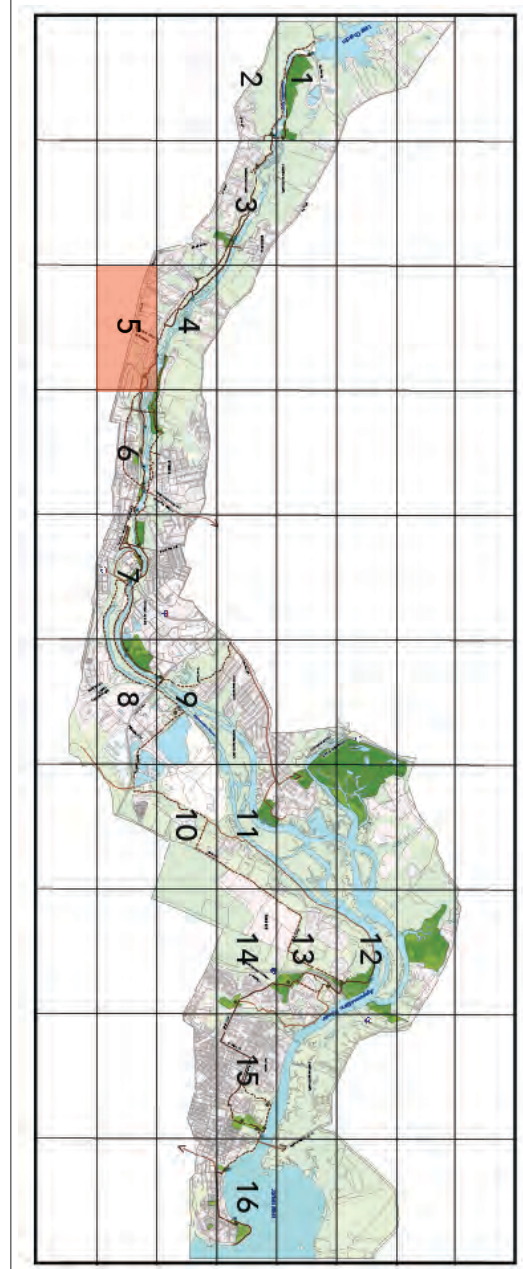
TRAIL KEY

- | | |
|--------------------|------------------|
| Trail Access Point | Park |
| River Access Point | Existing Trail |
| E Existing | Proposed Trail |
| P Proposed | Conceptual Route |

Date	Revisions	Scale
12.19.16	12.23.16	NTS

Client/Project
Appomattox River Trail
Signage Master Plan

PROGRAMMING
Sign Location Plan
Area 5



SIGNTYPES KEY

- | | |
|---------------------------------|--------------------------------|
| B Banner | PA Parking Sign |
| E Exhibit (Interpretive) | R Regulatory |
| G Gateway | TR Trailhead |
| K Kiosk | V Vehicular Directional |
| P Pedestrian Directional | |

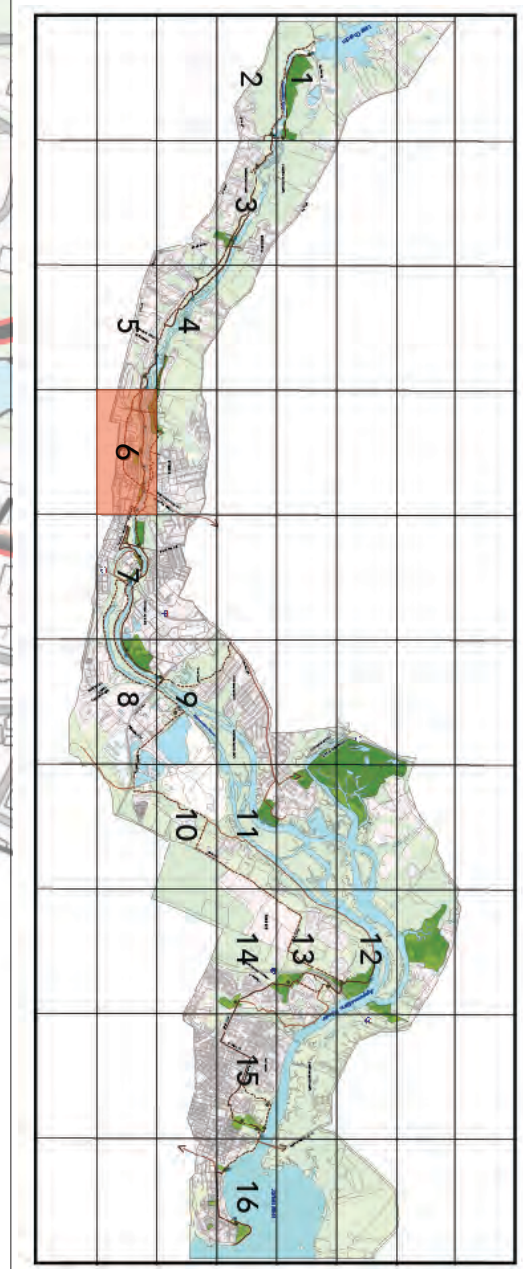
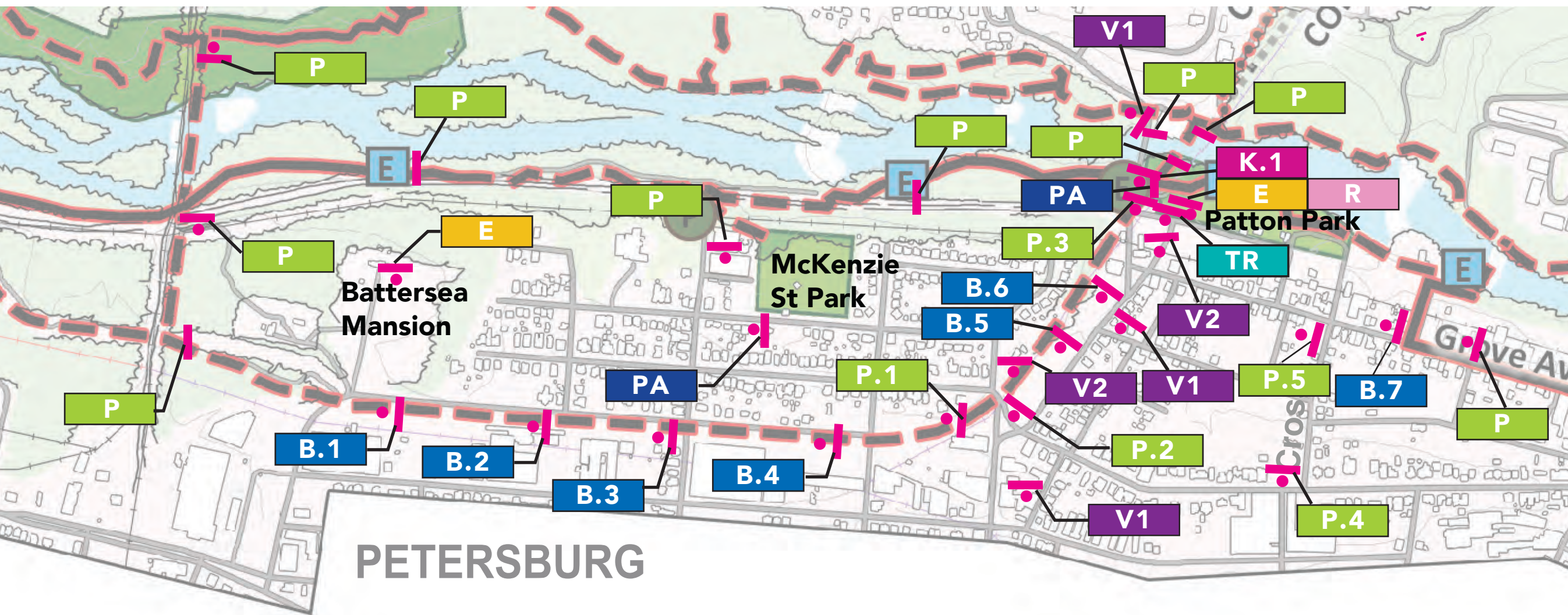
TRAIL KEY

- | | |
|--|--|
|  Trail Access Point |  Park |
|  River Access Point |  Existing Trail |
| E Existing |  Proposed Trail |
| P Proposed |  Conceptual Route |

Date	Revisions	Scale
12.19.16	12.23.16	NTS

Client/Project
Appomattox River Trail
Signage Master Plan

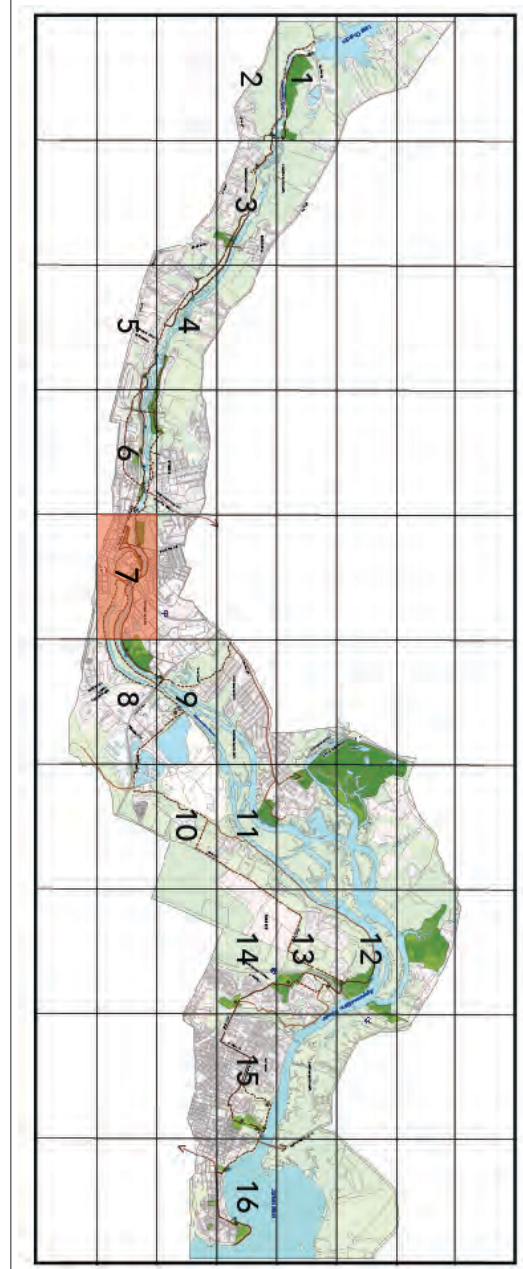
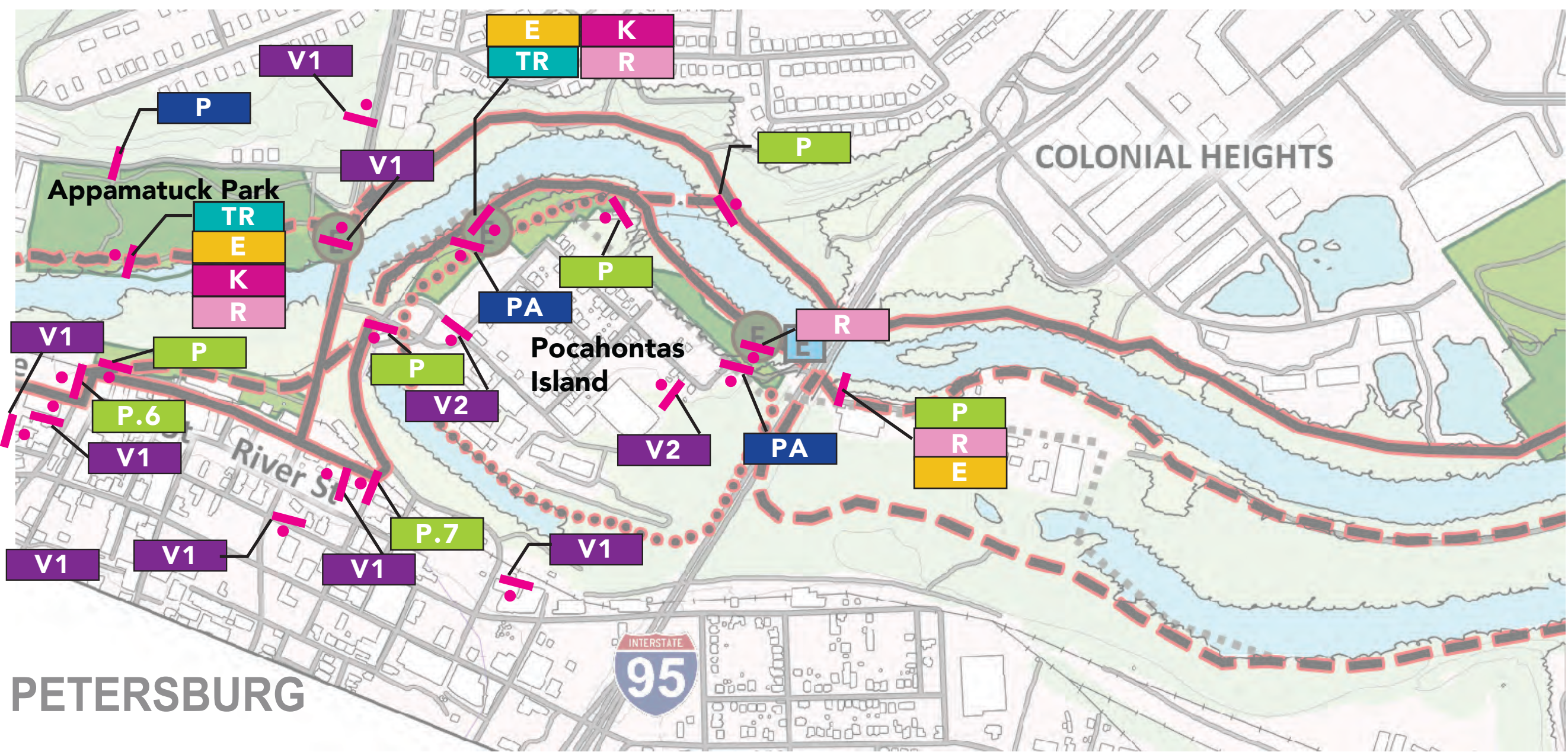
PROGRAMMING
Sign Location Plan
Area 6



SIGNTYPES KEY		TRAIL KEY	
B Banner	PA Parking Sign	 Trail Access Point	 Park
E Exhibit (Interpretive)	R Regulatory	 River Access Point	 Existing Trail
G Gateway	TR Trailhead	E Existing	 Proposed Trail
K Kiosk	V Vehicular Directional	P Proposed	 Conceptual Route
P Pedestrian Directional			

Date	Revisions	Scale
12.19.16	12.23.16	NTS

PROGRAMMING
Sign Location Plan
Area 7



SIGN TYPES KEY

- | | |
|---------------------------------|--------------------------------|
| B Banner | PA Parking Sign |
| E Exhibit (Interpretive) | R Regulatory |
| G Gateway | TR Trailhead |
| K Kiosk | V Vehicular Directional |
| P Pedestrian Directional | |

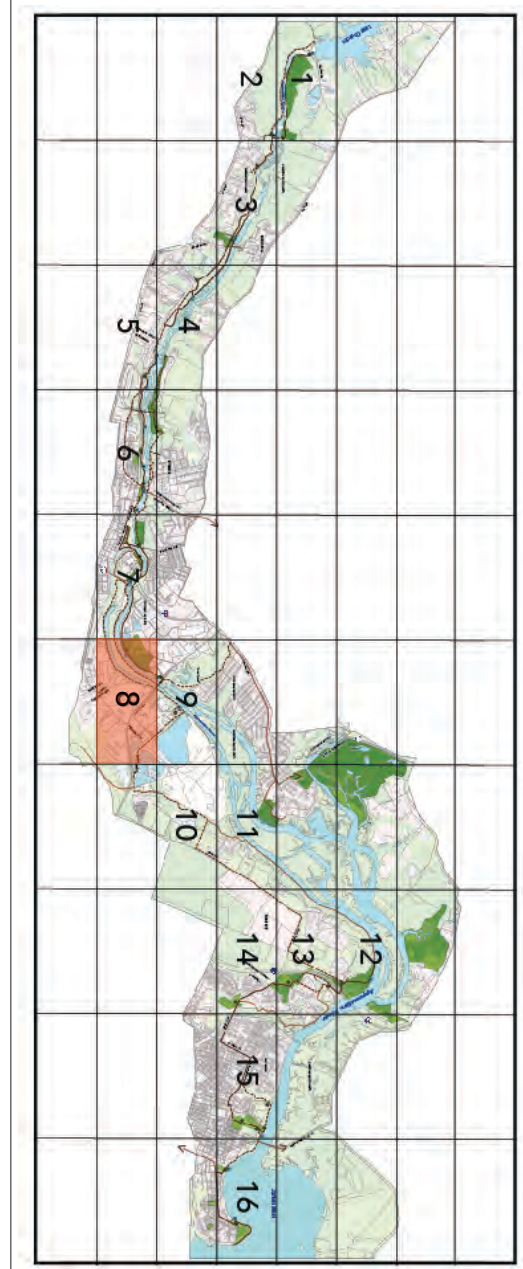
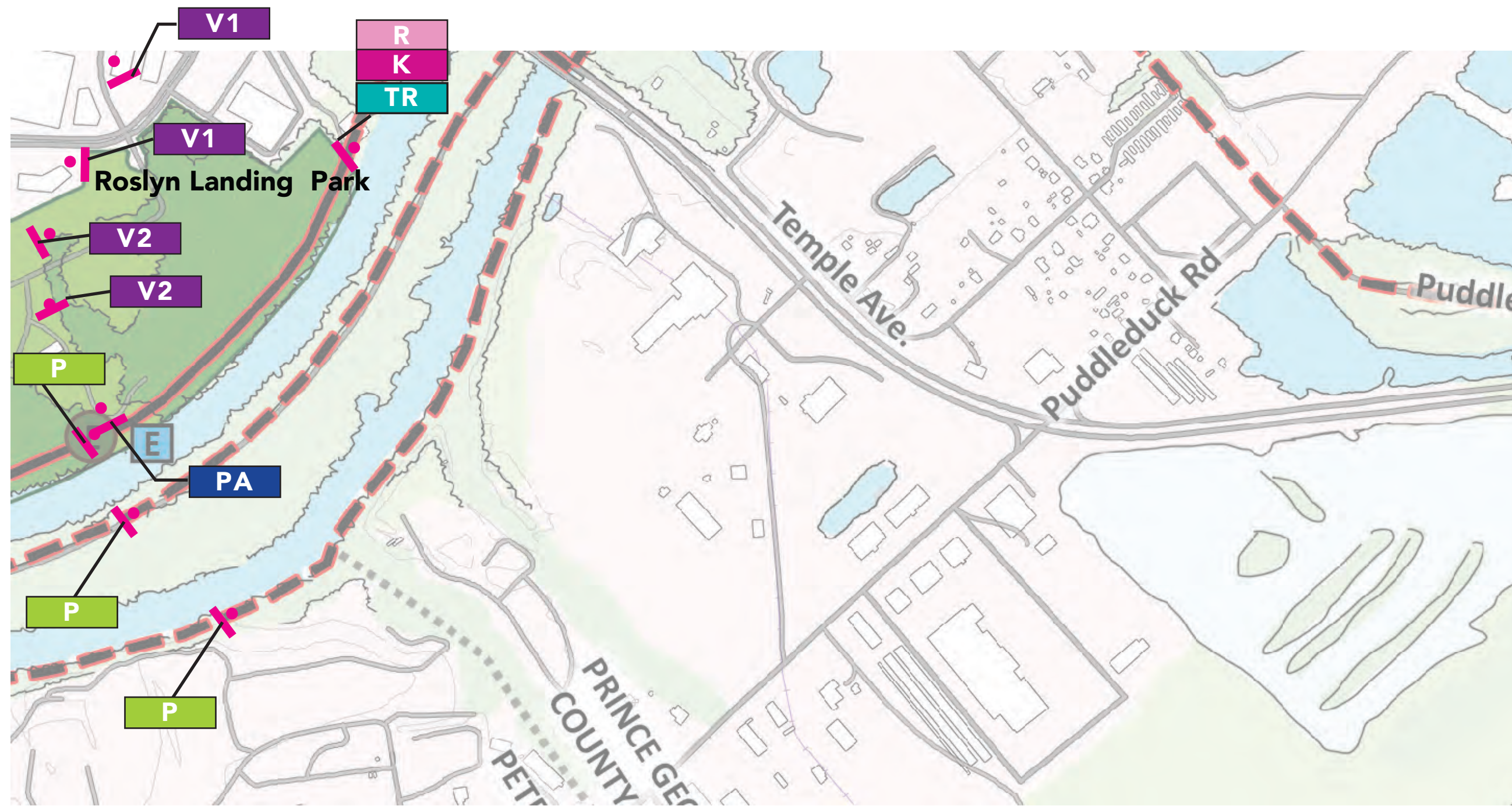
TRAIL KEY

- | | |
|--|--|
|  Trail Access Point |  Park |
|  River Access Point |  Existing Trail |
| E Existing |  Proposed Trail |
| P Proposed |  Conceptual Route |

Date	Revisions	Scale
12.19.16	12.23.16	NTS

Client/Project
Appomattox River Trail
Signage Master Plan

PROGRAMMING
Sign Location Plan
Area 8



SIGNTYPES KEY

- | | |
|---------------------------------|--------------------------------|
| B Banner | PA Parking Sign |
| E Exhibit (Interpretive) | R Regulatory |
| G Gateway | TR Trailhead |
| K Kiosk | V Vehicular Directional |
| P Pedestrian Directional | |

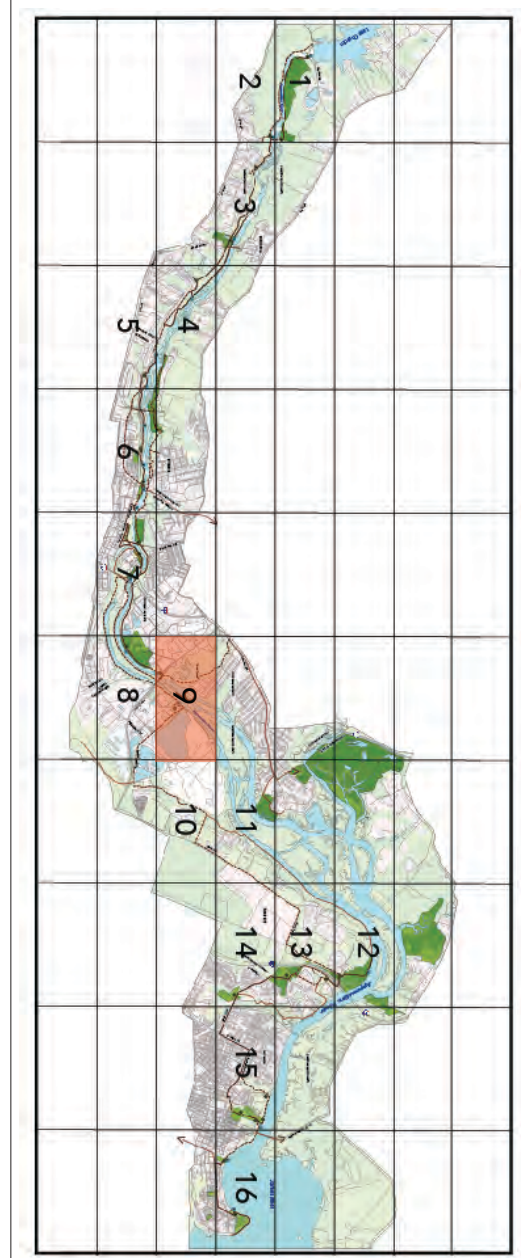
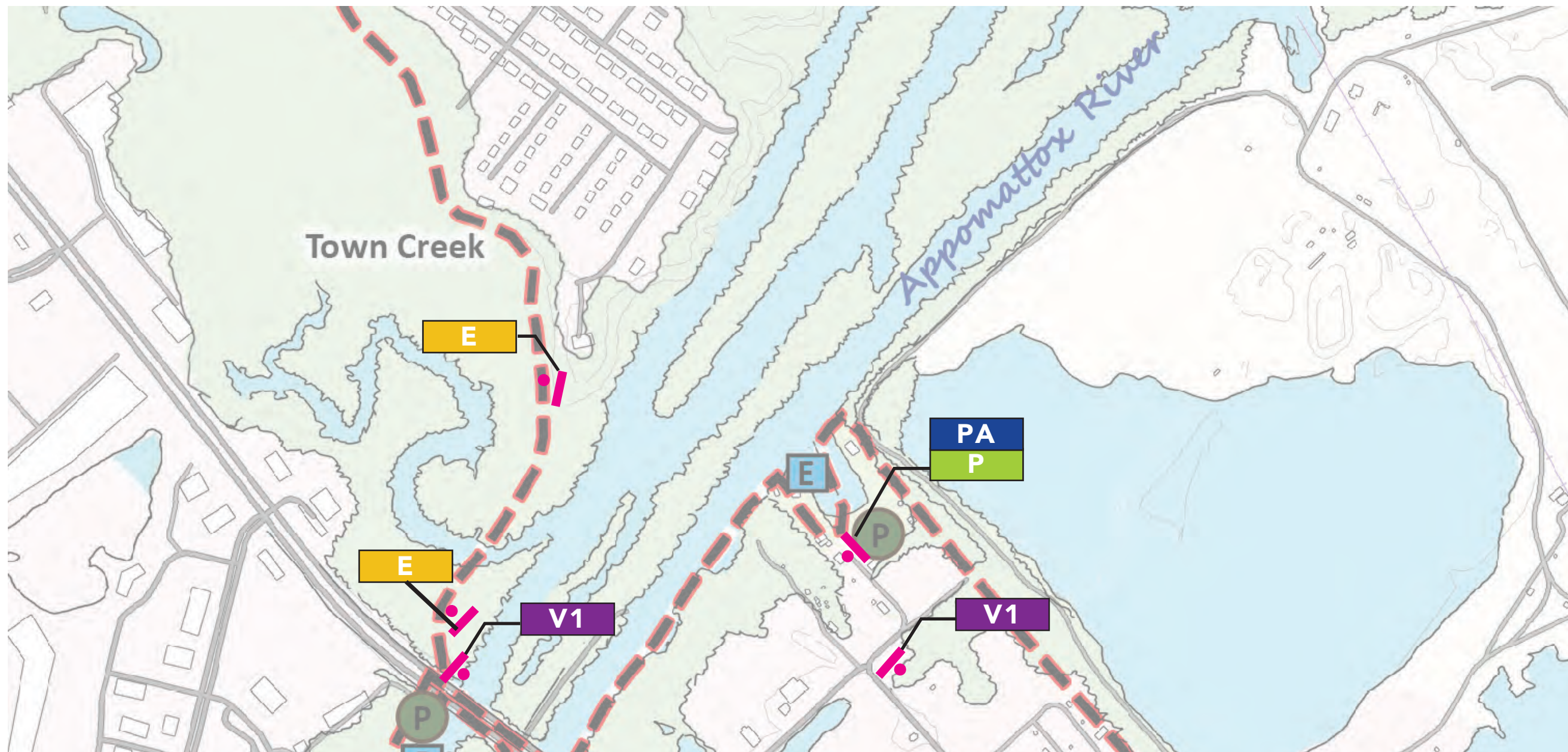
TRAIL KEY

- | | |
|--|--|
|  Trail Access Point |  Park |
|  River Access Point |  Existing Trail |
| E Existing |  Proposed Trail |
| P Proposed |  Conceptual Route |

Date	Revisions	Scale
12.19.16	12.23.16	NTS

Client/Project
Appomattox River Trail
Signage Master Plan

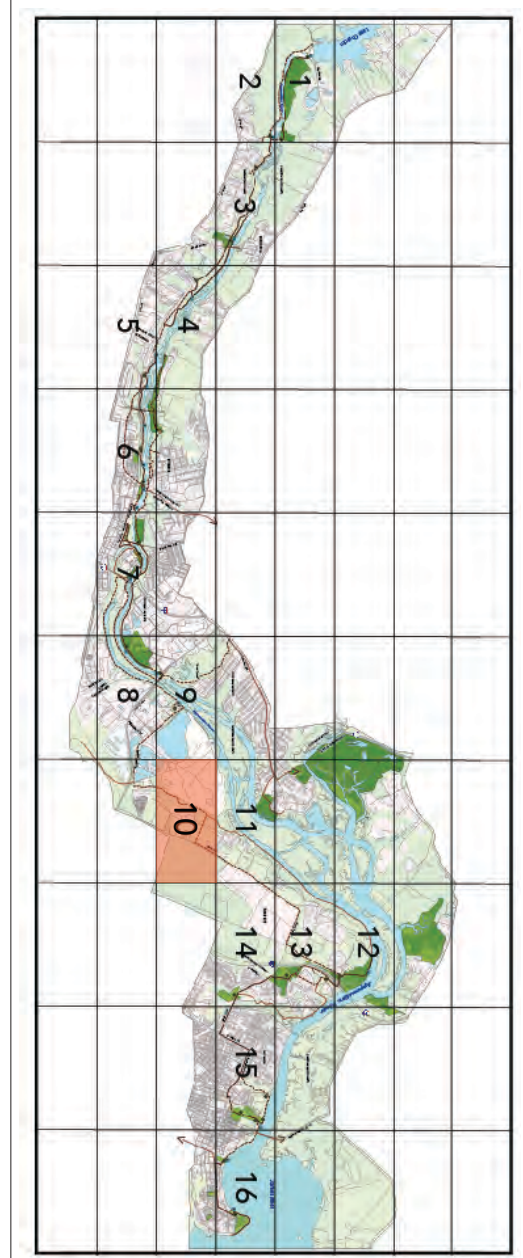
PROGRAMMING
Sign Location Plan
Area 9








SIGNTYPES KEY		TRAIL KEY	
B Banner	PA Parking Sign	Trail Access Point	Park
E Exhibit (Interpretive)	R Regulatory	River Access Point	Existing Trail
G Gateway	TR Trailhead	E Existing	Proposed Trail
K Kiosk	V Vehicular Directional	P Proposed	Conceptual Route
P Pedestrian Directional			

Date	Revisions	Scale
12.19.16	12.23.16	NTS
Client/Project		5.11
Appomattox River Trail Signage Master Plan		
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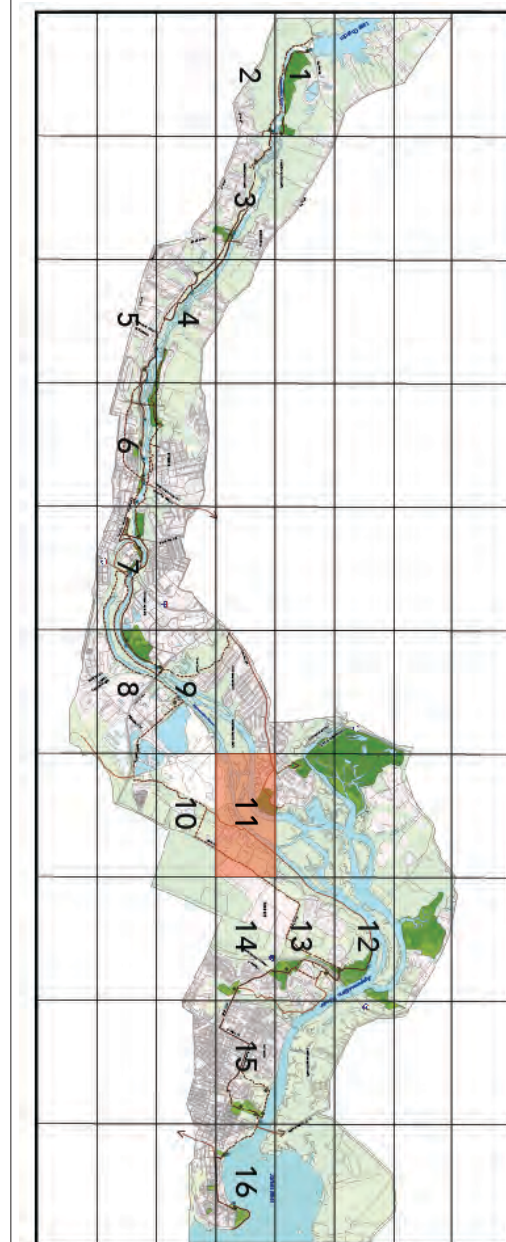
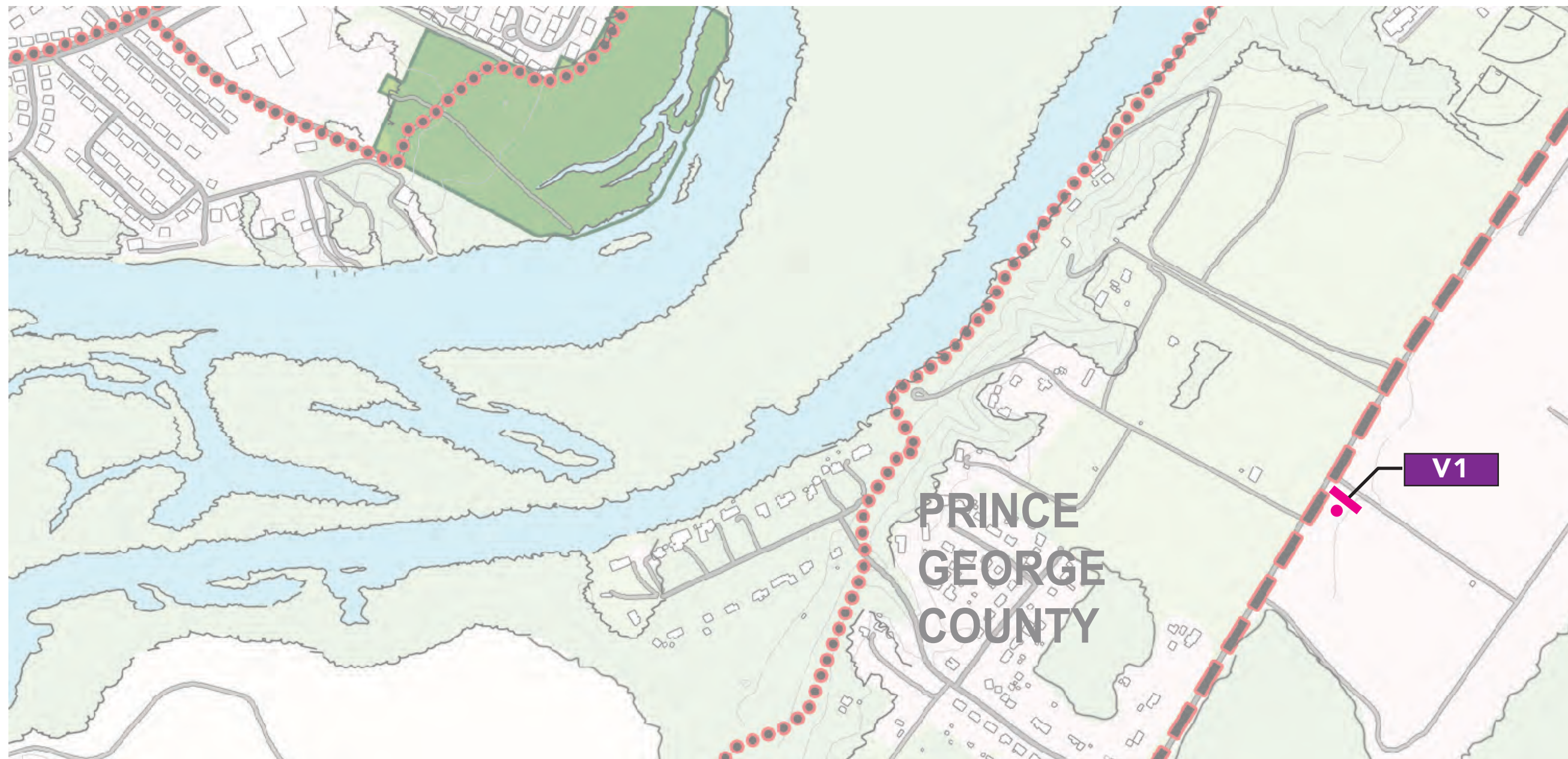
PROGRAMMING
Sign Location Plan
Area 10



SIGNTYPES KEY		TRAIL KEY	
B Banner	PA Parking Sign	 Trail Access Point	 Park
E Exhibit (Interpretive)	R Regulatory	 River Access Point	 Existing Trail
G Gateway	TR Trailhead	E Existing	 Proposed Trail
K Kiosk	V Vehicular Directional	P Proposed	 Conceptual Route
P Pedestrian Directional			

Date	Revisions	Scale
12.19.16	12.23.16	NTS

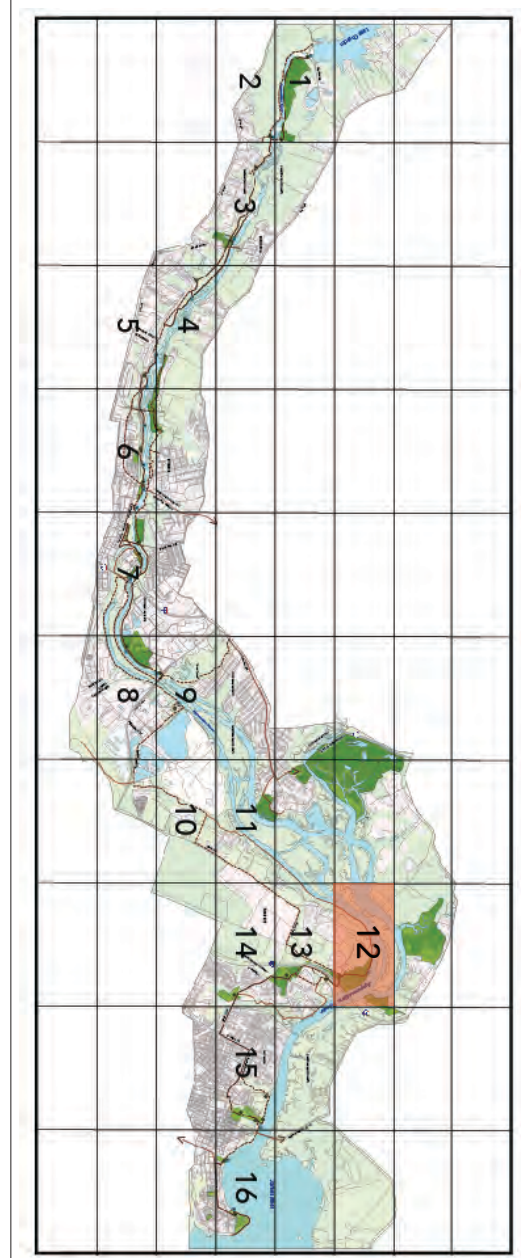
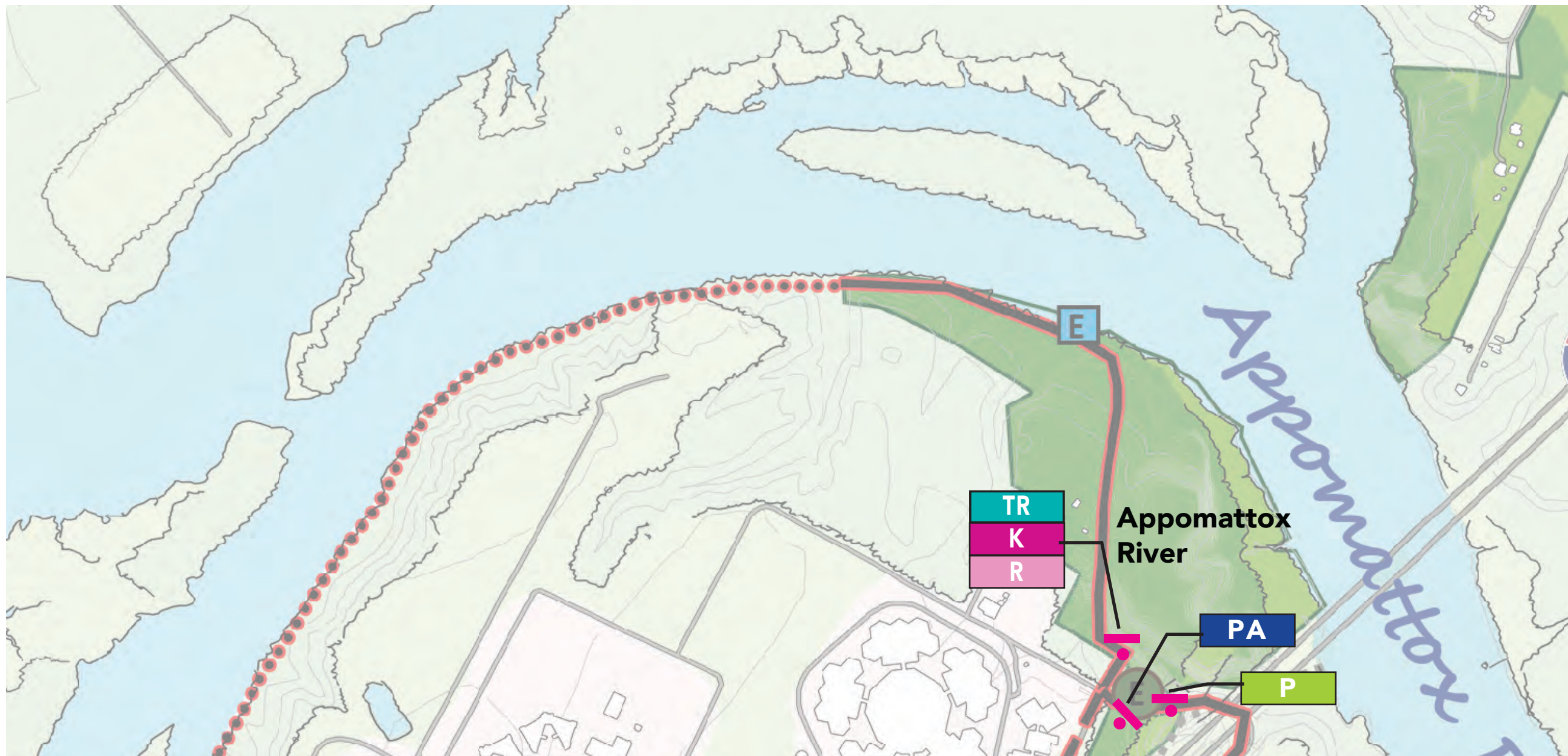
PROGRAMMING
Sign Location Plan
Area 11









SIGNTYPES KEY		TRAIL KEY	
B Banner	PA Parking Sign	● Trail Access Point	■ Park
E Exhibit (Interpretive)	R Regulatory	■ River Access Point	— Existing Trail
G Gateway	TR Trailhead	E Existing	- - - Proposed Trail
K Kiosk	V Vehicular Directional	P Proposed	●●●●●●●● Conceptual Route
P Pedestrian Directional			

Date	Revisions	Scale
12.19.16	12.23.16	NTS

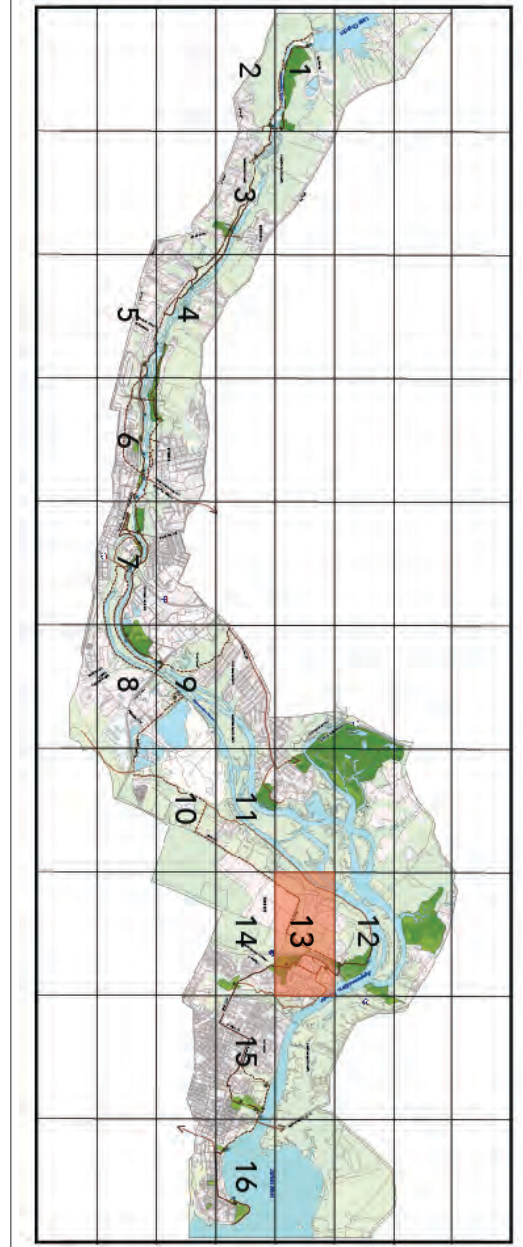
PROGRAMMING
Sign Location Plan
Area 12



SIGNTYPES KEY		TRAIL KEY	
B Banner	PA Parking Sign	 Trail Access Point	 Park
E Exhibit (Interpretive)	R Regulatory	 River Access Point	 Existing Trail
G Gateway	TR Trailhead	E Existing	 Proposed Trail
K Kiosk	V Vehicular Directional	P Proposed	 Conceptual Route
P Pedestrian Directional			

Date	Revisions	Scale
12.19.16	12.23.16	NTS

PROGRAMMING
Sign Location Plan
Area 13



SIGNTYPES KEY

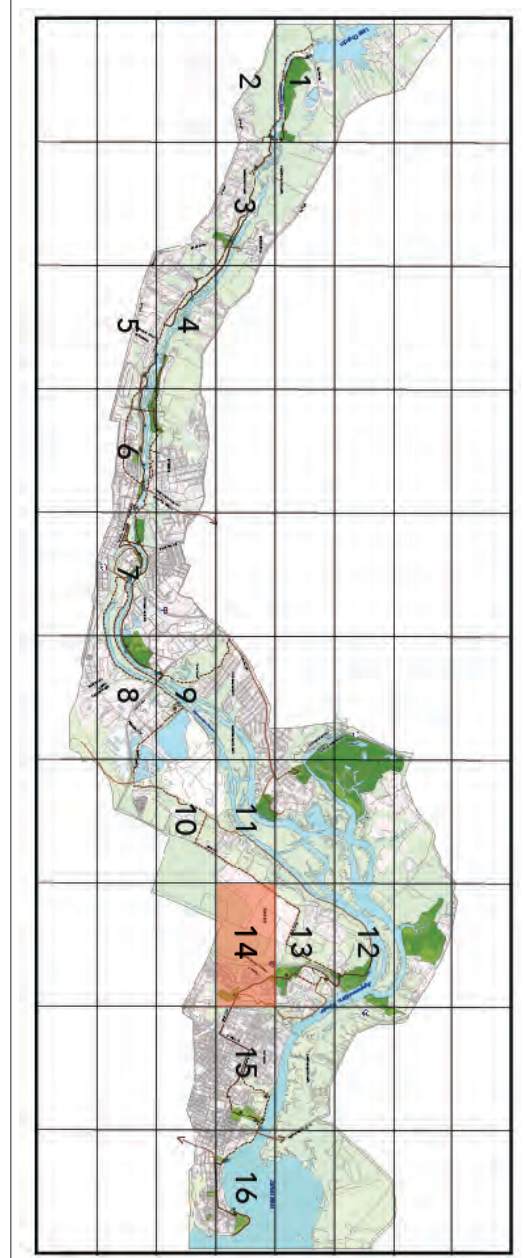
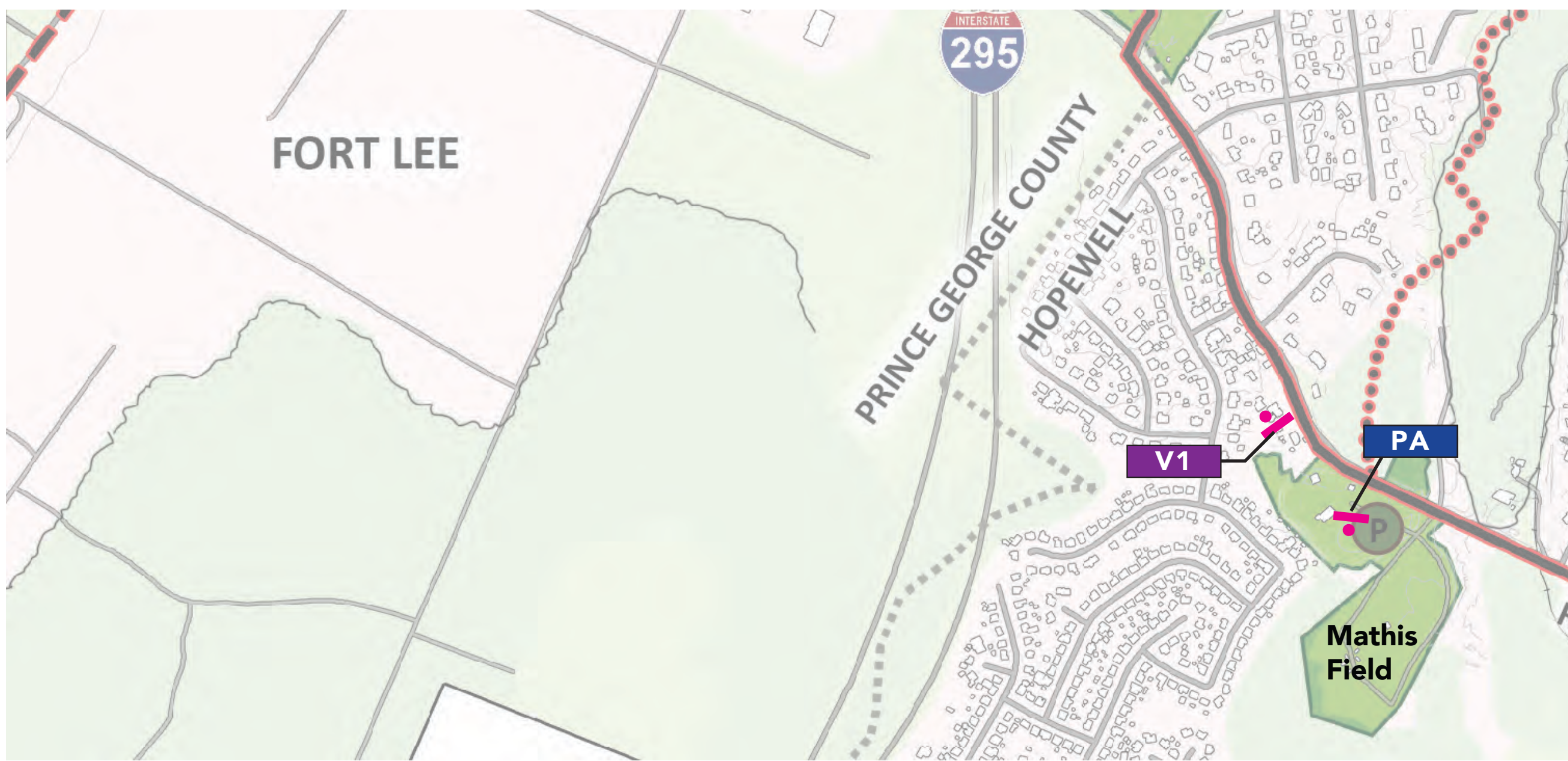
- | | |
|---------------------------------|--------------------------------|
| B Banner | PA Parking Sign |
| E Exhibit (Interpretive) | R Regulatory |
| G Gateway | TR Trailhead |
| K Kiosk | V Vehicular Directional |
| P Pedestrian Directional | |






TRAIL KEY

- | | |
|--------------------|------------------|
| Trail Access Point | Park |
| River Access Point | Existing Trail |
| E Existing | Proposed Trail |
| P Proposed | Conceptual Route |

Date	Revisions	Scale
12.19.16	12.23.16	NTS

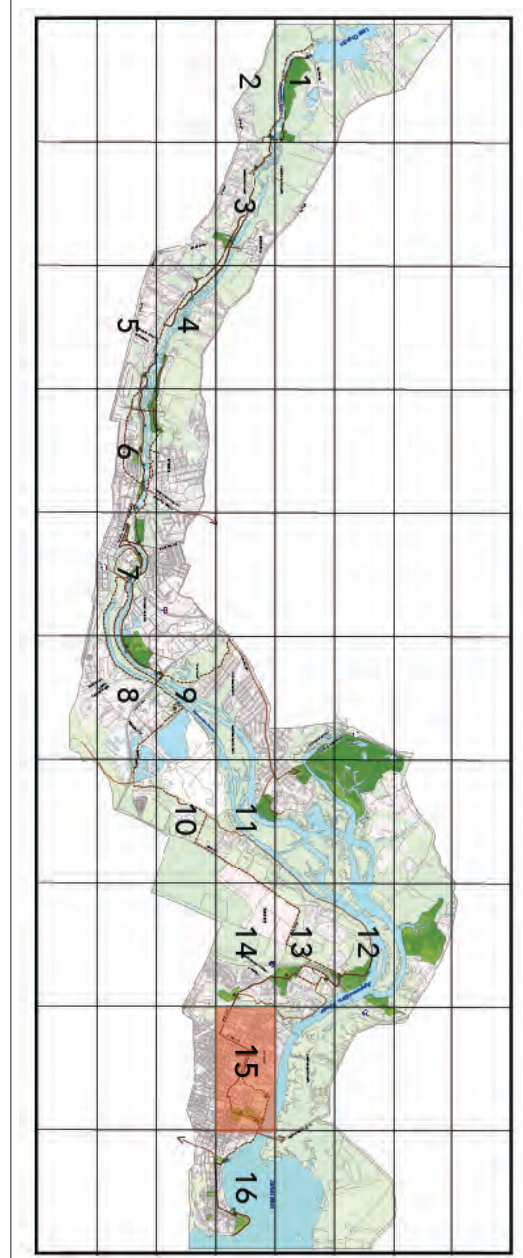
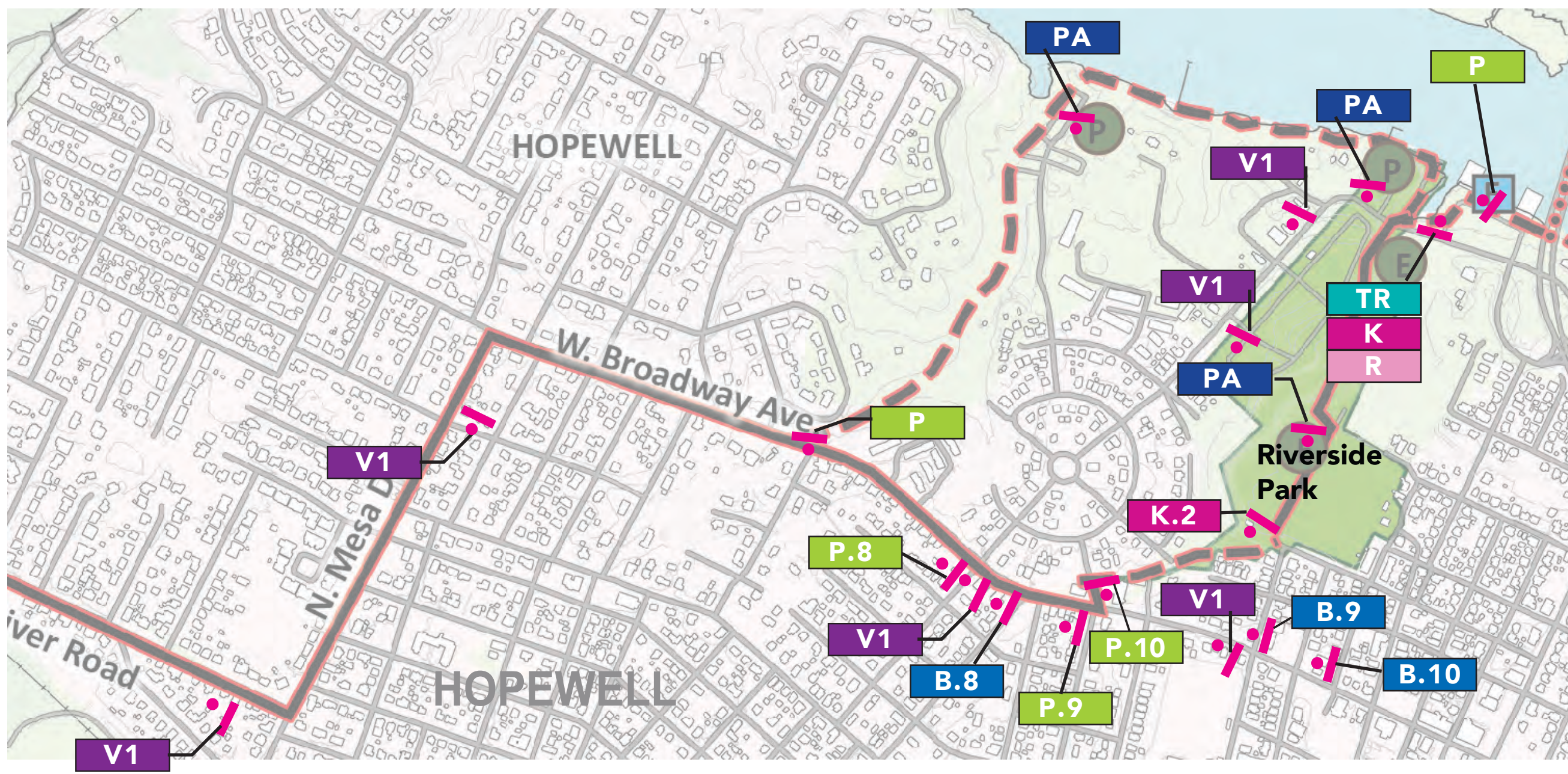
PROGRAMMING
Sign Location Plan
Area 14



SIGNTYPES KEY		TRAIL KEY	
B Banner	PA Parking Sign	 Trail Access Point	 Park
E Exhibit (Interpretive)	R Regulatory	 River Access Point	 Existing Trail
G Gateway	TR Trailhead	E Existing	 Proposed Trail
K Kiosk	V Vehicular Directional	P Proposed	 Conceptual Route
P Pedestrian Directional			

Date	Revisions	Scale
12.19.16	12.23.16	NTS

PROGRAMMING
Sign Location Plan
Area 15

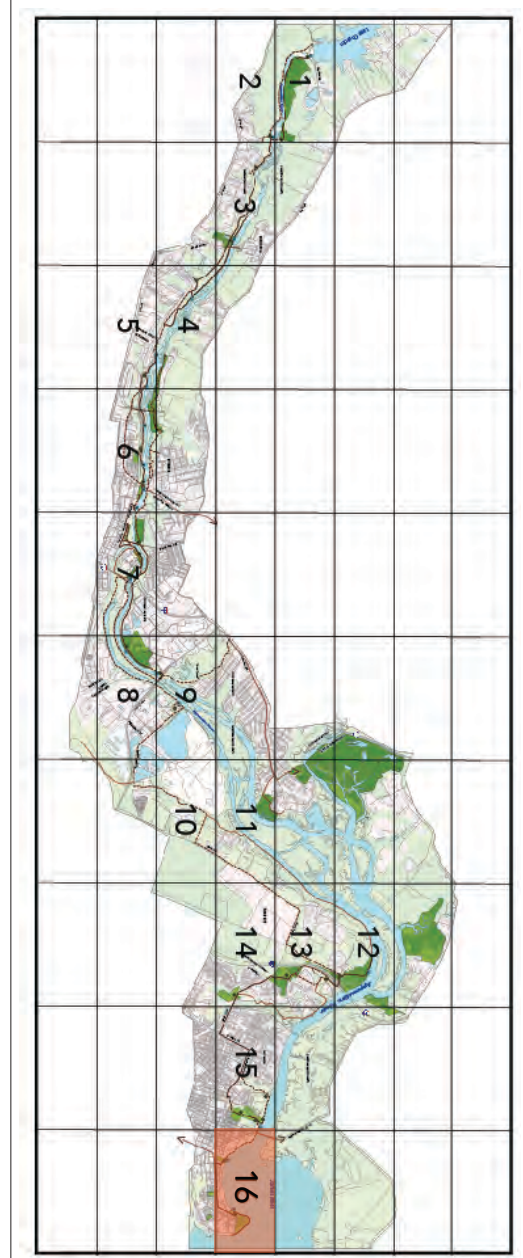
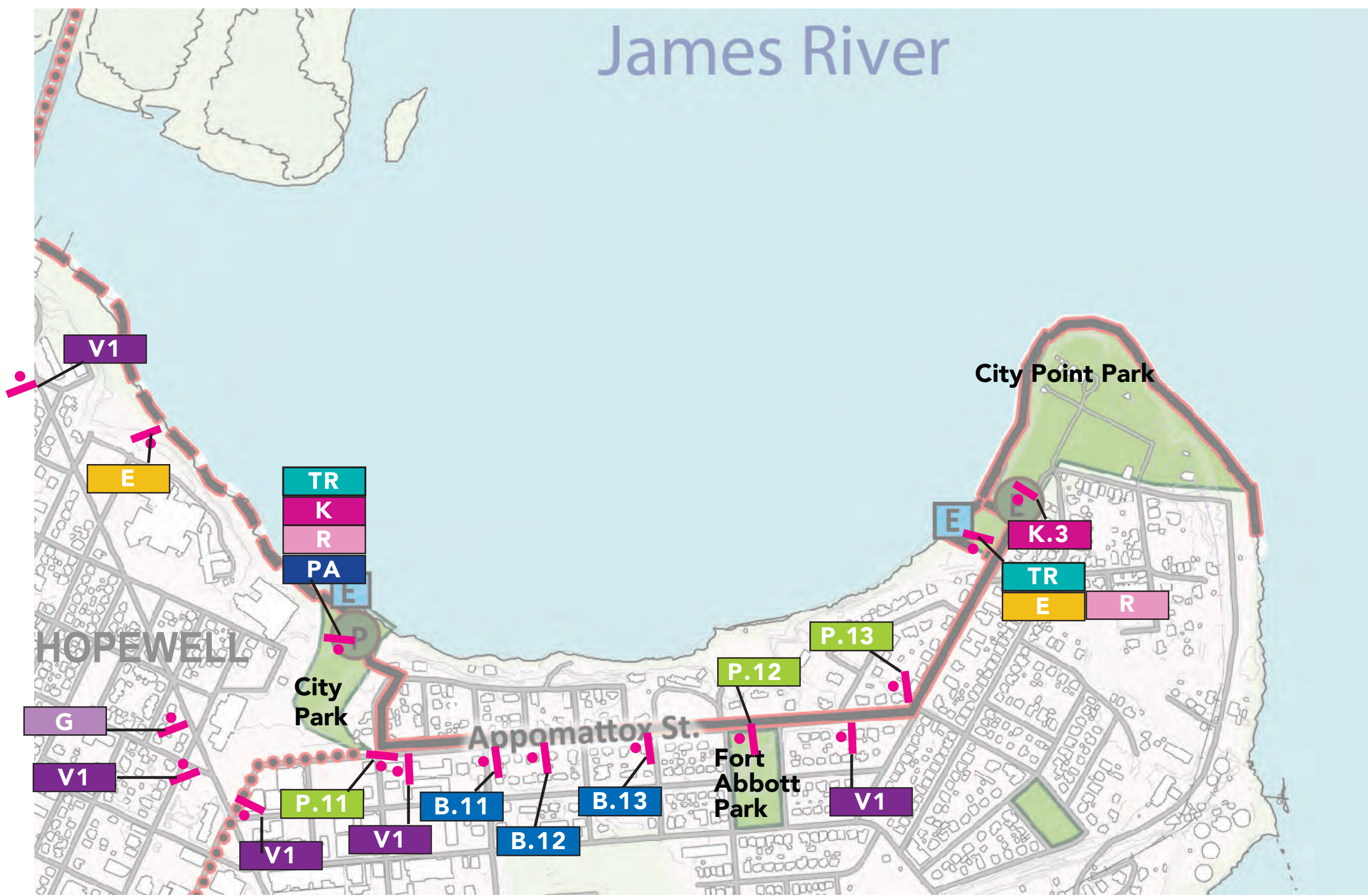


SIGNTYPES KEY		TRAIL KEY	
B Banner	PA Parking Sign	Trail Access Point	Park
E Exhibit (Interpretive)	R Regulatory	River Access Point	Existing Trail
G Gateway	TR Trailhead	E Existing	Proposed Trail
K Kiosk	V Vehicular Directional	P Proposed	Conceptual Route
P Pedestrian Directional			

Date	Revisions	Scale
12.19.16	12.23.16	NTS
	1.17.17	

PROGRAMMING
Sign Location Plan
Area 16


James River



SIGNTYPES KEY

- | | |
|---------------------------------|--------------------------------|
| B Banner | PA Parking Sign |
| E Exhibit (Interpretive) | R Regulatory |
| G Gateway | TR Trailhead |
| K Kiosk | V Vehicular Directional |
| P Pedestrian Directional | |

TRAIL KEY

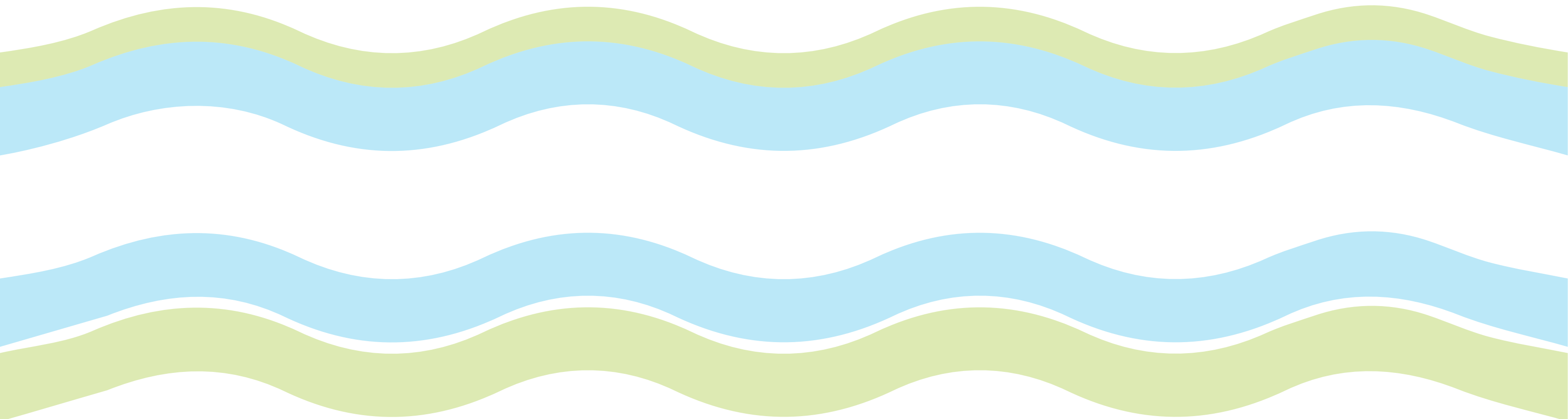
- | | |
|--|--|
|  Trail Access Point |  Park |
|  River Access Point |  Existing Trail |
| E Existing |  Proposed Trail |
| P Proposed |  Conceptual Route |

Date	Revisions	Scale
12.19.16	12.23.16	NTS
	1.17.17	

Client/Project
Appomattox River Trail
Signage Master Plan



Usage Guidelines



Usage Guidelines of the Signage Master Plan

Appomattox River Trail Wayfinding Standards & Signage Maintenance Manual Overview

As part of an on-going effort to promote, preserve and enhance the Appomattox River Trail (ART), a comprehensive Signage Master Plan has been developed. This effort includes an articulation of how visitors will be introduced to the ART and the manner in which orientation and direction-giving will be provided. User access and circulation throughout the ART will be facilitated by a standardization of signage as well as a consolidation of the nomenclature and circulation strategies. Moreover, these guidelines will articulate issues of overlapping identity among the various municipalities through which the ART passes as well as the tourism venues accessible from it.

The purpose of the Appomattox River Trail Usage Guidelines of the Signage Master Plan is to provide consistency in both the appearance of communication devices and the content of wayfinding information. These guidelines aim to:

1. preserve the appearance of signage
2. standardize the specific materials and application technologies utilized in signage production
3. streamline the procurement of signage components

In addition to this documentation, standards and practices will be articulated that aim to ensure the consistency of the messages being communicated to ART visitors and prospective visitors. These include:

1. usage standards for each signage category
2. nomenclature standards
3. circulation strategies
4. articulation of policies adopted for referencing destinations on orientation and directional signage
5. electronic artwork for logos and symbols
6. recommendations for utilization of wayfinding references among print and electronic marketing tools

In addition to trail applications, the signage standards developed in this initial phase of work can be utilized by municipalities, NGOs, environmental organizations and civic groups that wish to develop environmental graphic applications throughout the region. This allows for replication of materials, construction details and graphic layouts of those standards developed in the course of this project.

The signage construction entails fabricated aluminum panels and aluminum posts, vandal-resistant and sign faces engineered to be removable and intended to be updated. The vehicular/pedestrian directional and warning/regulatory signs will utilize retro-reflective graphics in accordance with MUTCD-2012.

Strategy for Signage Implementation

The objectives for the signage system documented in this Signage Master Plan are to provide wayfinding information and reinforce the identity of the Appomattox River Trail. This will be achieved through the implementation of visual, content and location standards.

Visual Design Standards

Despite the many municipalities, parks and attractions through which the trail passes, it is of paramount importance to maintain the formatting standards for all signage related to the ART. By maintaining this singular visual identity, the signage can underscore the autonomy of the ART.

There are several strategies for maintaining the visual standards:

1. Utilization of consistent signage categories. This involves the usage of specific formats for the various kinds of messages that need to be communicated.
2. Utilization of consistent color scheme. The Trail logotype on the white background and the combination of blue background with white letters for the message section of the signs are arguably the most visible aspects of trail signage identity.
3. Usage of consistent logos and typographic layouts. The ART logo is used at the top of most wayfinding signage categories. Its particular sizing and location is rendered for each signage format and is articulated in Section 2 – Signage Drawings. Similarly, the fonts, layouts and sizing of text on the various signs are also shown on the detailed drawings.
4. Usage of consistent map graphics. The graphic standards for legends, colors, graphic symbols, type sizing, location coding should be established in a future phase to insure that all maps have consistent standards.

Content Standards

In order to ensure consistency in wayfinding, content standards have been established for the graphics and messages used for the various signage categories. The utilization of these standards will not only provide information where it is needed, but also afford some predictability as to where this information is likely to be found on signs along the trail. The primary aspects of these content standards are:

1. Placement of specific kinds of information on accommodating signage formats. In essence, the signage formats have been designed around the information they need to convey. Detailed orientation information, for instance, is placed on large signs (kiosks) where people can pull off the trail and spend as much time as they wish to study maps, legends or interpretive information. Directional signs, on the other hand, use arrow symbols and copy sizes that permit the whereabouts of nearby destinations to be seen without stopping.
2. Nomenclature standards. These standards aim to reinforce consistency, not merely among signage categories, but also print and electronic communications that reference the trail and the destinations which may be accessed from it. These standards articulate the precise wording that is used to identify parks, access points to the land trail and the water trail and points of interest.
3. Rationale for signage content. This involves recommendations for what specific kinds of information may be placed on wayfinding signage. Given the size of the trail and its many destinations, it is not functional to convey all of this information on any one sign. There are guidelines for what information may be utilized so that the signs can provide the necessary information and guidance without becoming excessively detailed or lengthy.

Location Standards

The consistent placement of signage along the ART and in parks and neighborhood adjacent to it can contribute to both the identity of the trail and the function of its signage to provide guidance.

The “predictability” of signs at decision points and trailheads not only reinforces the fact that trail users are on the trail but also conditions them to look for and use the information provided. The standards for signage placement are:

1. Consistent with the MUTCD requirements for shared-use trails, no portion of any sign shall be closer to the edge of the trail than 24 inches. The standard adopted for the Appomattox River Trail is placement of directional and regulatory signs at 30” from the trail and orientation signs at 48”.
2. Orientation signage is generally located between the trail and the predominant user approach path (from parking lots, playgrounds, boat launch sites, etc.).
3. Where directional signage is directing trail users approaching from both directions, it is generally located as close as possible to the decision points. In the event a directional sign is directing visitors from only one approach, it is generally placed 20’ to 30’ in advance of the decision point.
4. Regulatory signage is placed consistent with directional signage. For single-post signage, no portion of the sign shall be closer to the trail than 24”.
5. All signs should comply with state (VDOT), county, local and MUTCD sign regulations that may apply.
6. The addition of off-trail trailblazer signs from main highways (e.g. 95 and 295) or main access roads (e.g. route 10 and Temple Avenue) should be considered when the program is implemented.

Appomattox River Trail Autonomy

Although the Appomattox River Trail will pass through numerous municipalities, parks and historical areas, it is the intent of this Master Plan to maintain the ART signage standards at the various access and decision points along its entire pathway. As the trail approaches parks or historical areas, directional signage will call out these destinations at a reasonable distance in advance. When the trail crosses into such areas, trail signage will acknowledge these boundaries. In reciprocation, we are hopeful that the signage within the parks and historical areas will acknowledge the whereabouts of the ART in their own design vocabulary.

The most fundamental caveat of this system is that those signs that appear directly adjacent to the ART should reflect a singular identity to underscore the autonomy of this trail system and provide visual continuity to its users.



The use of the Appomattox River Trail logo is an exclusive standard that defines the trail signage components and may be used only for trail signage.

Recommendations for Message Content

In order to establish communication consistency among the signage elements deployed along the ART, this section includes guidelines for the kinds of information that may be presented among key signage elements. These recommendations impact the two fundamental wayfinding tools used in trail signage – directional and orientation signage. In terms of directional elements, the following guidelines are intended to create consistency in where such signs are placed along the trail, the types of destinations that are referenced and the relative distances from which various destinations may be referenced. For orientation signage, the recommendations entail criteria for placement, content for the informational kiosks and information on the nature of maps and legends used.

Directional Signage

Proposed Criteria for Directional Signage Content and Placement

1. The purpose of directional signage will be to reinforce circulation along the ART.
2. It will be utilized at junctions/intersections with major roadways, pedestrian intersections or trailhead/access points.
3. Directional Signage categories will include:
 - a. Vehicular Directional (Types V.1 up to 5 destinations, ground mount)
 - b. Vehicular Directional (Type V.2 up to 3 destinations, ground mount)
 - c. Banner Directional (Type B.1– up to three destinations, pole mounted)
 - d. Trailhead Sign (Type TR.1)
 - e. Pedestrian Directional (Type P.1 & P.2, ground mount)

4. Vehicular directional signage will be placed in areas adjacent to the trail where the viewer may read the messages on approach without having to stop.
5. The content on directional signs will be grouped under directional arrows in the sequence of left, right and straight ahead.
6. Should the content of directional signage at any decision point exceed five items, it will be separated among two signage elements no closer to one another than 40 feet.
7. Directional Signage content will include references to neighboring Virginia Capital Trail and East Coast Greenway segments, municipalities, parks and points of interest.
8. The information rendered on directional signage will be limited to the municipalities, parks, trails and points of interest that are within the segment of the ART in which the sign is placed as well as those in adjacent segments within one-half mile of the section boundary. Destinations in neighboring sections beyond this point will not be referenced.
9. On trailhead signs the FOLAR logo and information will be displayed.

Destination Listing Recommendations

Following below are the recommendations for listing various destinations on directional signage.

Type of destination	Recommended distance to destination along trail or roadway/trail leading to destination	Recommended distance from trail (*ART passes through or is adjacent to destination)
Neighboring Trail Sections (Ex. North Ettrick, West Petersburg)	3 Miles	*
Municipalities (Ex. Colonial Heights)	3 Miles	*
Trails (Ex. Virginia Capital Trail)	1 Mile	*
Parks/Preserves (Ex. Atwater Park)	1 Mile	One Mile
Neighborhoods (Ex. Battersea)	One half Mile	*
Points of Interest (Ex. Beacon Theater)	One half Mile	One Mile

* Note: Distances may vary somewhat based on the density (or scarcity) of attractions in a particular area.

Orientation Signage

Proposed Criteria for Orientation Signage Content and Placement

1. The purpose of orientation signage will be to provide an overview of the course of the ART and the attractions that are accessible from it.
2. Orientation signage will include:
 - a. Informational kiosks (Type K.1)
 - b. Exhibit /interpretive signage (Type E.1 & E.2)
 - c. Pedestrian informational (Types P.2 Which may contain both orientation and directional information)
3. The content for informational kiosks may include:
 - a. Directional information (Content criteria same as previous section)
 - b. Key plan map of entire ART
 - c. Section map graphic and legend (this will reference parks, trails, municipalities and points of interest in proximity to the ART within the local trail section)
 - d. Welcoming information and general information about the ART
 - e. Description of the conditions that exist along the local section of the ART including segments on roadways, missing segments, portions under construction, hazards, and ADA-related information about trail accessibility
 - f. Interpretive information
4. The content for informational kiosks will include:
 - a. Key plan map of entire Appomattox River Trail
 - b. Section Map graphic and legend (this will reference parks, trails, municipalities and points of interest along the ART within the local trail section)
5. The content of the pedestrian informational sign may include information about distances or walking minutes for both walking and biking paths as well as directional arrows.

6. Specific destination information rendered on orientation signage will be limited to the municipalities, parks, trails and points of interest that are within the segment of the Appomattox River Trail in which the signage is placed.
6. Orientation signage may be placed at trail access points, junctions/intersections with major roadways or intersecting trails and areas where people frequently pass by or gather (e.g. restrooms, picnic areas, observation areas, boat launches, etc.).
7. Orientation signage will be visible from the trail but be placed such that the viewer can safely stand off the trail and away from other pedestrian traffic areas in order to spend as much time as he or she wishes to read signage content.

Map Graphic/ Legend Content

1. The key plan map graphic will represent the entire ART with the viewer's section highlighted. The map will also include major municipalities and highways.
2. The section map graphic will include a detailed representation of this trail segment and include major roadways, municipalities, parks, trailhead/ access areas with parking facilities and key numbers that relate to points of interest referenced in the accompanying legend.
3. The section map legend will include a listing of points of interest within various distances from the ART.
4. The organization of attractions will be broken out into six categories:
 - Landscape
 - History
 - Culture and Architecture
 - Municipal Buildings/Towns
 - Headwater Destinations
 - Visitors Center

NOTE: Maps should always be oriented in the same direction as the viewer, not with the NORTH up, unless the viewer is facing north.

Nomenclature Standards and Circulation Theory

Nomenclature Standards

To ensure consistency among the wayfinding elements used throughout the ART, the following formal nomenclature will be utilized on signage. These terms will be applied to orientation and directional elements as well as any print or electronic graphics developed as reinforcement. The terms will be revised and updated on a regular basis to accommodate additions, deletions and changes to the attractions referenced. This nomenclature was selected based on current usage for referring to locations, for instance, the Appomattox Riverside Park, which is referred to as Ferndale Park, will be listed as Ferndale Park on the signage.

Lake Chesdin/Dinwiddie/Matoaca Area

Landscape

John Radcliff Park
Ferndale Park
Lake Chesdin Dam
Wiki Waki Beach

History

Abutment Dam
Matoaca Mills Dam

Culture and Architecture

Trolley Building (at Ferndale Park)

Municipal Buildings/Towns

Matoaca

Headwater Destinations

Lake Chesdin Boat Ramp
Appomattox River Canoe Launch
Ferndale Park Canoe Launch

Petersburg/Ettrick Area

Landscape

Patton Park
Appamatuck Park

History

Pocahontas Mill Race
Battersea dam
Banister's Mill,
Old South Canal
Battersea Neighborhood
Sapony Street and Rolfe Street on Pocahontas Island

Culture and Architecture

VSU
Siege Museum
Sycamore Rouge Theatre
Petersburg Area Art League
Petersburg Regional Arts Center
Centre Hill Mansion
Battersea Mansion

Municipal Buildings/Towns

Petersburg Courthouse
Petersburg Library
Old Towne Petersburg
Ettrick

Headwater Destinations

Pocahontas Island

Visitors Center

Petersburg Downtown Visitor Center

Colonial Heights/Prince George Area

Landscape

Roslyn Landing Park
White Bank Park
Fort Clifton Park
Appomattox River Regional Park

History

Violet Bank Museum

Municipal Buildings/Towns

Colonial Heights

Headwater Destinations

Appomattox Small Boat Harbor

Hopewell/Point of Rocks Area

Landscape

Riverside Park
Riverside harbor
City Park
City Point Waterfront Park
Evergreen Overlook
Point of Rocks Park

History

Weston Plantation
Historic Point of Rocks
City Point National Cemetery
Hunter House
Appomattox Plantation
General Grant's Headquarters

Culture and Architecture

Beacon Theatre
City Point Open Air Museum
City Point Early History Museum

Municipal Buildings

Hopewell Library
Hopewell

Headwater Destinations

Appomattox Boat Harbor
Anchor Point Marina
Hopewell City Marina

Visitors Center

Hopewell - Prince George Visitor Center

Circulation Theory

The Circulation Theory for the ART is an extension of the zoning philosophy that organizes destinations within the four zones.

As the zones are used as an intermediate division of the entire trail, mapping and directional references for any particular orientation sign is generally focused on the zone in which that sign is situated. An orientation element in the Petersburg/Ettrick segment, for instance, will include a detailed map of Petersburg/Ettrick as well as a listing of destinations within this zone.

This theory manifests in the placement of destinations on directional signage as well. the Destination Listing Recommendations include standards for the reference of various kinds of destinations in the context of their proximity in miles to any given directional sign.

As new destinations are added to the areas and neighborhoods that may be accessed by the ART, it is important to determine where these elements should be listed and which directional signage elements should be updated in order to maintain standards.

Listing of Signage Categories

Included below is a listing of Appomattox River Trail signage categories documented as of January 6, 2017. These are referenced on the Section 2 – Signage Drawings.

Category & Description:

- G.1 Gateway Sign
- TR.1 Trailhead Sign
- V.1 Vehicular Directional
- V.2 Vehicular Directional
- PA. 1 Parking Sign
- B.1 Banner
- P.1 Pedestrian Directional
- P.2 Pedestrian Directional
- K. 1 Informational Kiosk S-1
- M.1 Mile Marker
- E.1 Exhibit/Interpretive
- E.2 Exhibit/Interpretive
- R.1 Regulatory

Once signs are ordered and installed it is crucial to compile a signage inventory for maintenance purposes and to easily track ownership.

The labeling system should represent a device's function, (e.g. K1) and an individualized item number. (e.g. K1.7). Each sign is assigned a unique number derived from this system and is used in the message schedule and sign location plan.

Signage Usage Criteria

Outlined below are the criteria for utilizing each signage category listed in the previous section. Detail drawings for each category appear in section 2 .

G.1 Gateway Sign



Usage Criteria

This format's typographic sizing is required on all community roadways with vehicle speeds in excess of 45 miles per hour. This format is to be located at both ends of the trail in areas that are main vehicular roadways closest to the trailheads. The format includes graphics' reflectivity.

The usage protocol for all the Appomattox River Trail signs involves the utilization of identity graphics, the Appomattox River Trail logo in all cases and in some instances the use of the FOLAR logo and/or other locality logos and seals.

The client will furnish electronic artwork to the fabricator for the ART logo.

TR.1 Trailhead Sign



Usage Criteria

This format shall be used on trailheads or main points of access to the trail, in parks where it is necessary to orient visitors to access to the trail and parking areas. This sign will include the name of the trailhead or access point, parking information and symbols displaying amenities available at the particular segment of the trail.

Sizing of copy and graphics shall follow the general guidelines illustrated in the sign drawings. This category may be located at primary trailheads, parking areas adjacent to trailheads, or primary public access points to the trail. The format includes graphics' reflectivity.

The client will furnish electronic artwork to the fabricator for the ART logo, the FOLAR logo, additional municipality logos (as required) and the amenity symbols.

V.1 & V.2 Vehicular Directional



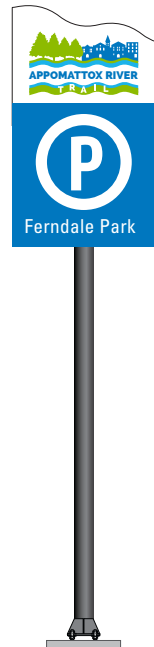
Usage Criteria

Types V-1 and V-2 shall be used to convey directional information to the trailheads and along the trail. They should be located in advance of decision points and convey the access points and whereabouts of neighboring trail segments, parks, and tourist destinations within a reasonable distance from the trail.

Each format is designed to receive two Zclip mounted message panels on each elevation. The top section is reserved for trail identification and the lower section is available for directional content. The format selection shall be based on the amount of content required. These formats include specifications for arrow configuration and spacing, fonts and interline spacing. A divider must be utilized between directional groupings. The format includes graphics' reflectivity. Signs can be one or two sided.

The client will furnish electronic artwork to the fabricator for the ART logo.

PA. 1 Parking Sign



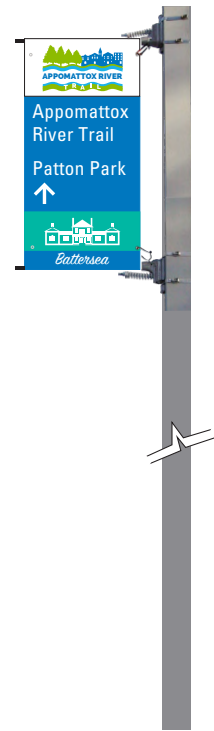
Usage Criteria

This format shall be used to convey parking information at the trailheads and main access points for which public parking is available. They should be located in advance of the entrances to the parking and display the trailhead or access point name.

This format is designed to receive two Zclip mounted message panels on each elevation. The top section is reserved for trail identification and the lower section is available for content. The format includes graphics' reflectivity. Signs can be one or two sided.

The client will furnish electronic artwork to the fabricator for the ART logo.

B.1 Banner



Usage Criteria

The Type B.1 Banner Sign is intended to provide directional assistance for visitors on access streets and roadways in the vicinity of the trail as well as on the trail itself. The placement of these signs can be both along major vehicular circulation pathways as well as in the neighborhoods adjacent to the trail or paths on the trail itself when it traverses through sidewalks. These may reinforce circulation (with an arrow) in certain situations, or simply identify the path of the trail. they can include neighborhood identification.

This format is intended to be placed on existing utility or light poles as allowed by the municipality. These banners represent a more economical alternative than vehicular or pedestrian free standing signs.

The client will furnish electronic artwork to the fabricator for the banner.

P.1 & P.2 Pedestrian Directional



Usage Criteria

Types D-1 and D-2 shall be used to convey directional and time or distance information along the trail. They may be located at or slightly in advance of decision points and convey the whereabouts of neighboring trail segments, parks, municipalities and tourist destinations within a reasonable distance from the trail.

Each format is designed to receive two Zclip mounted message panels on each elevation. The top section is reserved for trail identification and the lower section is available for directional content. The format selection shall be based on the type of content required.

P.1 format includes specifications for arrow configuration and spacing, fonts and interline spacing. A divider must be utilized between directional groupings. P.2 format to include in addition to the elements in P.1, symbols for walkers and bikers and time in minutes or distance in miles to the highlighted destinations. The format includes graphics' reflectivity. Signs can be one or two sided.

The client will furnish electronic artwork to the fabricator for the ART logo, other symbols or seals to be included in the sign and the QR code image.

K.1 Informational Kiosk



Usage Criteria

This format can be used on trails, in parks or other attractions where it is necessary to orient visitors and provide trail identification and “You are Here” information. The map section of the sign may include the full trail or a trail segment map with graphics & legend of destinations information pertaining to that trail segment.

Sizing of copy and graphics shall follow the general guidelines illustrated in the sign drawings. This category may be located at primary trailheads, parking areas adjacent to trailheads, primary trail access or public gathering access points. (e.g. restaurants, restrooms, docking areas, playgrounds).The format includes graphics' reflectivity. Signs can be one or two sided.

The client will furnish electronic artwork to the fabricator for the ART logo, other symbols or seals to be included in the sign, the QR code image and the map.

M.1 Mile Marker



Usage Criteria

This format consists of a series of numbered markers placed along the trail at intervals of one mile or occasionally, parts of a mile. They are typically located at the side of the trail. Mileage will be measured as the distance along the trail from a fixed commencement point. The commencement point does not have to necessarily be the beginning of the 23-mile trail. The commencement can be the access point of a particular trail segment so that parallel segment will not have conflicting mile markers.

This type will provide reference points along the trail This can be used to reassure travelers that the proper path is being followed and to indicate either distance traveled or the remaining distance to a destination. Such references can also be used by maintenance and emergency services to direct them to specific points where their presence is required. The format includes graphics' reflectivity. Signs can be one or two sided.

The client will furnish electronic artwork to the fabricator for the ART logo, and the QR code image.

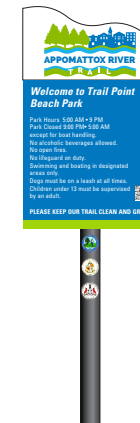
E.1 & E.2 Exhibit/Interpretive



Usage Criteria

The Types E.1 and E.2 format can be used for free-standing interpretive signage in the vicinity of the trail. The content for these signs will include the trail identification (logo) and may include heading copy, text, graphic illustrations and photographs. Sizing of copy and graphics will be determined based on the contents selected.

R.1 Regulatory



Usage Criteria

This format can be used for all signs (18” in height) that provide special regulatory information for the trail. The content for these signs will include the trail identification (logo) and regulatory content TBD by each locality. The format includes graphics' reflectivity. Signs can be one or two sided.

Recommendations for Wayfinding Reinforcement Among Related Communications

While this document primarily focuses on preserving the Appomattox River trail's visual and content standards related to signage, there are opportunities to extend this communication continuity beyond the bounds of the trail itself. These opportunities may take the form of electronic communications, promotional print graphics and special displays or exhibits. The recommendations included below are intended to capitalize on the equity that has been created with these standards and their potential to promote awareness and usage of the trail.

Identity Graphics

The overall identity of the Appomattox River Trail can be substantially reinforced among other forms of communication with effective use of the new identity graphics. This would entail:

1. Exclusive usage of the ART logo and logotype
2. Usage of the blue color (C1. Pantone 3005C Blue) whenever possible
3. Usage of the green color (C2. Pantone 376C Green) in motifs and as a high-lighting feature
4. Usage of Raleway Font as headline typography

Content

Similarly, communication can be streamlined if specific references to the trail, destinations and attractions are made consistently with the information that appears on signage.

This will entail:

1. References to the "Appomattox River Trail" as opposed to its current segment names (e.g. "C.H.A.R.T.S")

2. Utilization of the Nomenclature Standards for destinations and attractions as shown on this document
3. Usage of the category distinctions in the legend of destinations and attractions (i.e. Landscape, History, etc.)
4. Sharing the nomenclature and reference standards with municipalities and stakeholders who are likely to make references to the ART.

Listing of Recommended Vendors

Included below is a list of local signage companies, the first two listings show the companies that submitted a budget for this master plan which demonstrates their understanding and compliance with the products and application technologies included in the project documentation.

Acorn Sign Graphics
 4100 West Clay Street
 Richmond, VA 23230
 (o) 804-726-6999 x118
 (c) 804-774-0349
 Contact: Adam Canady
 adamc@acornsign.com
 www.acornsign.com

Holiday Signs
 11930 Old Stage Rd.
 Chester, Virginia 23836
 (o) 804-796-9443
 (c) 804-247-0652
 Contact: Pat Buchanan
 pbuchanan@holidaysigns.com
 www.holidaysigns.com

Signs Unlimited
 1808 MacTavish Avenue
 Richmond, Virginia 23230
 (o) 804-353-0607
 (c) 804-400-1184
 Contact: Carol Stanford
 cstanford@signsunlimited.net
 www.signsunlimitedinc.net

Maintenance Practices

To maintain consistency of the system as new signs are manufactured and installed, where specific signs and sign components are called for that are included in this Master Plan, these standards will be followed in all cases. Should any specific signage requirements exceed the size, content or material requirements in this Master Plan, FOLAR will oversee the extrapolation of current design standards and coordinate the revision of the Master Plan to reflect the changes. It will also review policy issues that impact signage and wayfinding on the Appomattox River Trail. These may include:

1. Requests for new signage formats or departures from the existing standards
2. Coordination issues relating to what destinations are formally called and what pathways are used to guide visitors to access them
3. Apparent or potential wayfinding conflicts with other media
4. The coordination of temporary or short-term signage elements

With particular respect to signage hardware, the following maintenance schedule is recommended.

Bimonthly (March – November)

1. Order all new or replacement signage components.
2. Remove unauthorized signage.
3. Inspect all existing signage for wear and vandalism.
4. Repair or replace damaged signage.

Semi-Annually (April and October)

1. Update orientation and directional signage with respect to changes to nomenclature or circulation theory.
2. Review wayfinding standards to evaluate any needs identified for adjusting signage standards.