

# DESIGN INTENT

## DRAWINGS

### NIRPC Unified Trail Wayfinding

August 2016



Northwestern Indiana  
Regional Planning Commission (NIRPC)  
6100 Southport Road  
Portage, Indiana 46368

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The purpose of these drawings is to illustrate design intent. Drawings are not for construction. Written dimensions on these drawings have precedence over scaled dimensions.

The further development and engineering of these drawings shall be submitted as shop drawings to the Project Owner. Contractors shall verify and be responsible for all final quality, dimensions, materials and conditions on the job.

Project owner shall be notified of any variations from the dimensions and conditions shown by these drawings prior to the execution of any work, including changes to graphic designs or typography.

Drawing scale shown on plans is for full size plans only. Alta shall not be responsible for scale discrepancies caused by reduced or enlarged drawings.








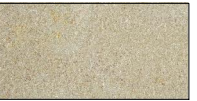


**Alta Planning + Design**

800 S Broadway, 2nd Floor Front  
Baltimore, MD 21231  
ph: 443.218.8165

## MATERIALS PALETTE

Contractor shall be responsible for supplying samples for all colors and materials within the palette.

							
<b>(W)</b> White	<b>(B)</b> Black	<b>(G)</b> Green	<b>(G)</b> Dark Green	<b>(B)</b> Blue	<b>(B)</b> Dark Blue	<b>(Wr)</b> White - Reflective	<b>(S)</b> Stone
Color: White	Pantone: 425 C	Color match: CMYK (46%, 0%, 85%, 0%)	Color match: CMYK (65%, 23%, 100%, 6%)	Color match: CMYK (53%, 1%, 27%, 0%)	Color match: CMYK (86%, 34%, 56%, 14%)	White	
Materials: Matthews Paint	Matthews Paint	Matthews Paint	Matthews Paint	Matthews Paint	Matthews Paint	Matthews Paint	3M 3930 High Intensity Retroreflective
Process: Surface painted, with Matthews Polyurethane Clear Coat Protectant	Surface painted, with Matthews Polyurethane Clear Coat Protectant	Surface painted, with Matthews Polyurethane Clear Coat Protectant	Surface painted, with Matthews Polyurethane Clear Coat Protectant	Surface painted, with Matthews Polyurethane Clear Coat Protectant	Surface painted, with Matthews Polyurethane Clear Coat Protectant	Surface painted, with Matthews Polyurethane Clear Coat Protectant	

## TYPOGRAPHY

Fabricator is responsible for acquiring project related fonts.

Highway Gothic	<b>Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz 1234567890</b>
Highway Gothic Wide	<b>Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz 1234567890</b>

## ARTWORK

All artwork illustrated on this page shall be provided by Project Owner as electronic vector art.



Northwest Indiana Greenways & Blueways Logo



Calumet Trail Logo



Dunes Kankakee Trail Logo



Gary Green Link Logo



Chesapeake and Ohio Greenway Logo



Prairie Grass Silhouette



American Discovery Trail Logo



The Marquette Greenway Logo



Oak Savannah Trail Logo



Destination Travel Distance & Times



Typical Arrow



Veterans Memorial Parkway Logo



Prairie Duneland Trail Logo

Contractor is responsible for matching all colors and materials as specified and are required to provide color and material sample to the Project Owner for approval.

All painted surfaces to receive UV and Anti-Graffiti coating. All retroreflective material to receive UV/Anti-Graffiti overlaminate, or owner approved equal.

No substitute typefaces will be accepted. Set kerning tracks to visually approximate sign drawings. Kerning shown may vary from exact kerning used to create sign drawings. Refer to specific applications for type sizes and leading requirements.



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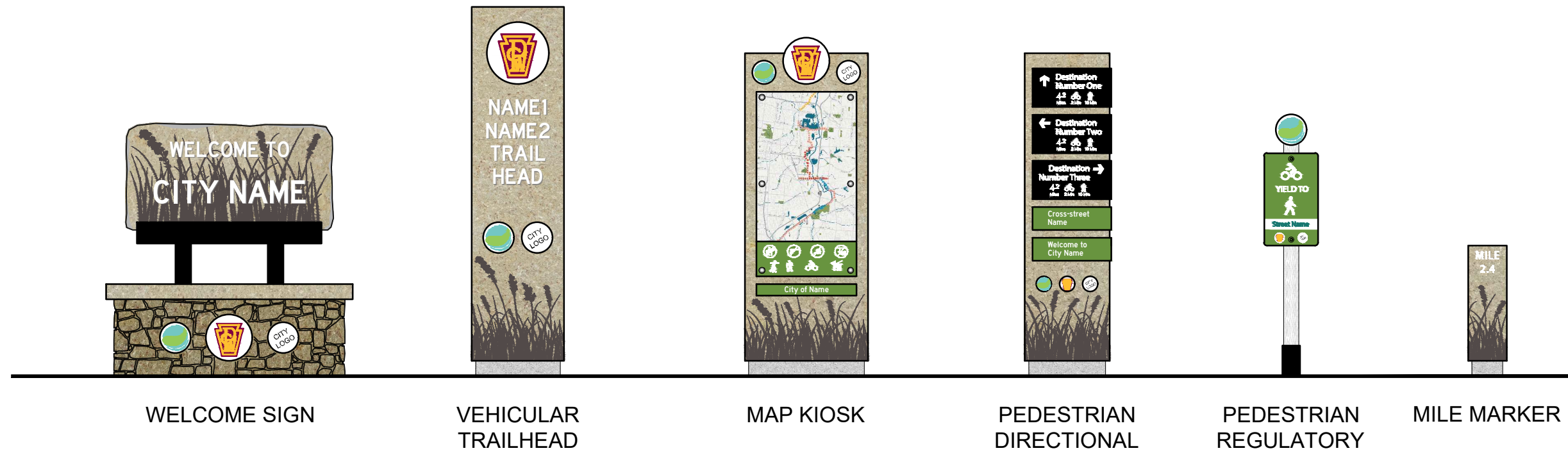
08 August 2016  
DOCUMENT ISSUE

Graphic Standards  
SHEET TITLE

2  
SHEET NUMBER

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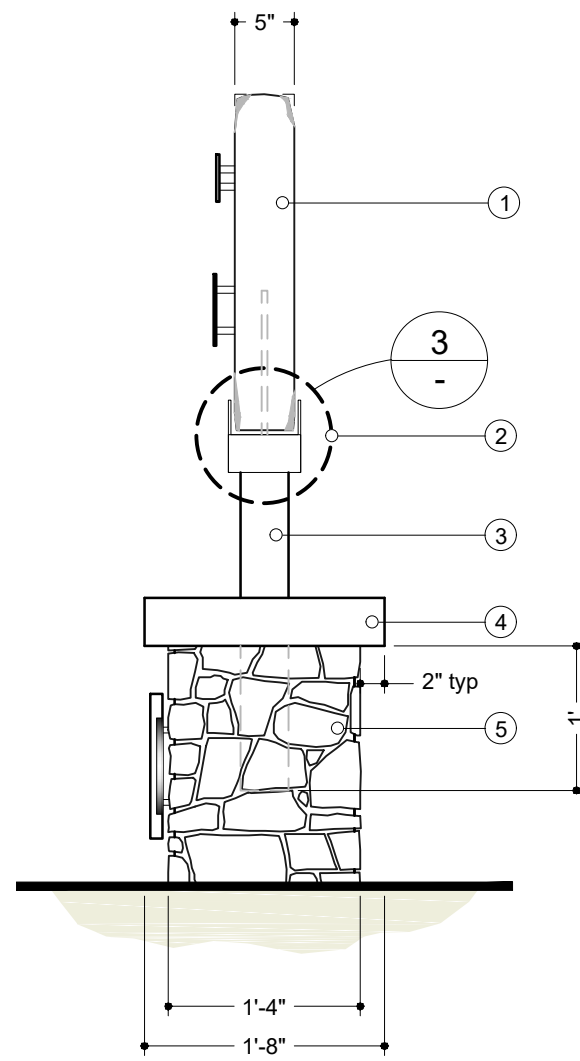
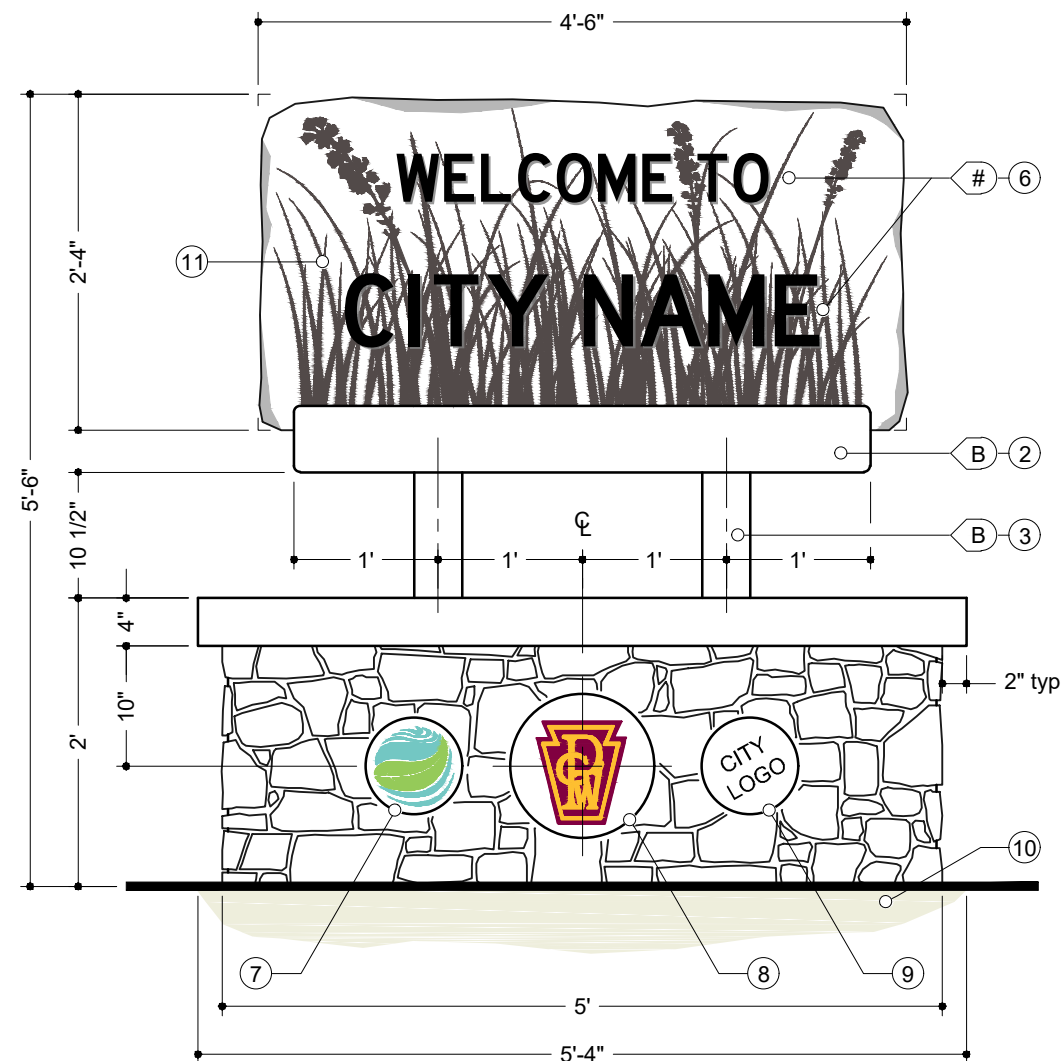
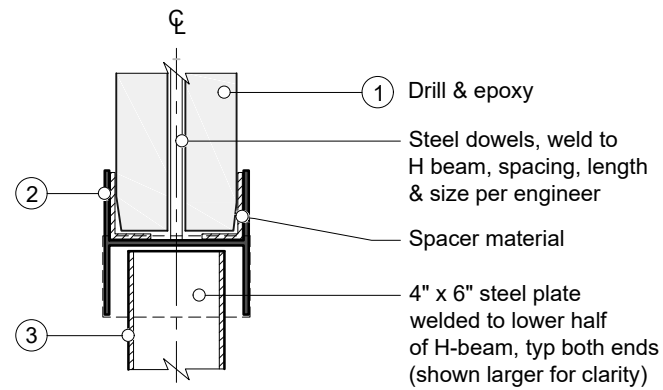
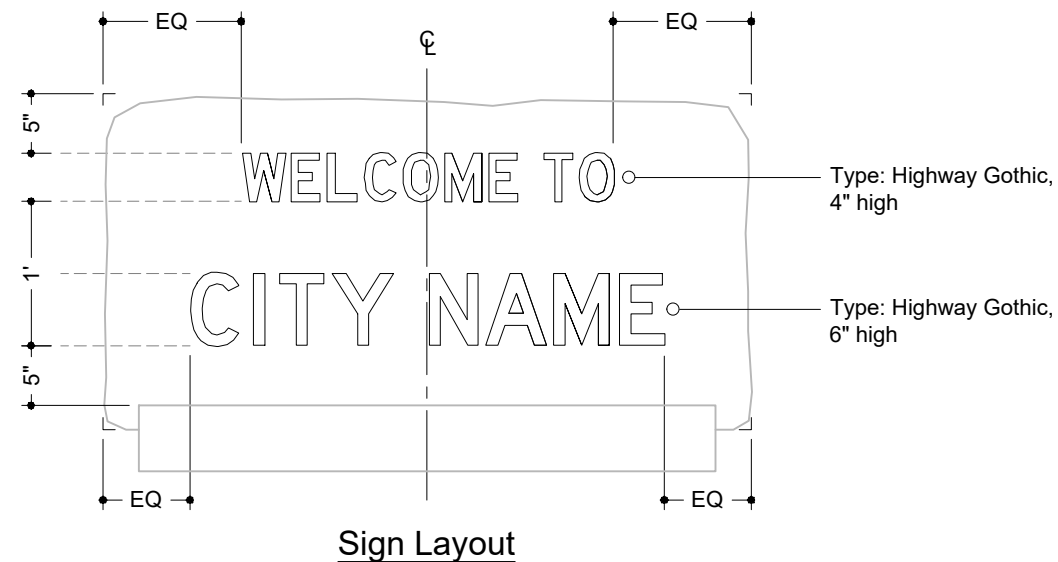
DOCUMENT ISSUE

System Overview

SHEET TITLE

3

SHEET NUMBER



KEY NOTES

- 1. LIMESTONE SIGN**  
4'-6" L x 2'-4" W x 5" thick  
MATERIAL: Indiana limestone  
ASTM C568, Type II, Medium density limestone
- 2. STEEL HEADER**  
Structural steel H beam, W 6 X15 lb (5.99" x .230" web x 5.99"). 1/2" fillet on all corners
- 3. SUPPORT POST**  
Square A500 steel tube, 4 x 4 x 3/8" wall.  
Embedded into monument wall and welded to steel header
- 4. LIMESTONE CAP**  
Smooth top and bottom, rock face sides.  
SIZE: 5'-4" L x 1'-8" W x 4" H
- 5. MONUMENT WALL**  
SIZE: 5-0" L x 1'-4" W x 1'-8" H  
Limestone natural stone veneer, depth 1-1/4"  
FABRICATION: Standard masonry construction
- 6. LETTERING**  
1/2" thick aluminum letters, pin-mounted 1/2" from face of sign
- 7. GREENWAYS & BLUEWAYS LOGO**  
MATERIAL: 8" dia x 1/4" thick aluminum  
FABRICATION PROCESS: Router Cut  
EDGES: Routed, finished smooth  
FASTENER: Pin mounted  
GRAPHICS/TEXT: digitally printed
- 8. TRAIL LOGO**  
MATERIAL: 12" dia x 1/4" thick aluminum  
FABRICATION PROCESS: Router Cut  
EDGES: Routed, finished smooth  
FASTENER: Pin mounted  
GRAPHICS/TEXT: digitally printed
- 9. CITY LOGO**  
MATERIAL: 8" dia x 1/4" thk. aluminum  
FABRICATION PROCESS: Router Cut  
EDGES: Routed, finished smooth  
FASTENER: Pin mounted  
GRAPHICS/TEXT: digitally printed
- 10. CONCRETE FOOTING**  
Concrete footing to engineer's specifications
- 11. ENGRAVING**  
Sandblasted 'Prairie Grass' silhouette



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Welcome Sign  
SHEET TITLE

4  
SHEET NUMBER

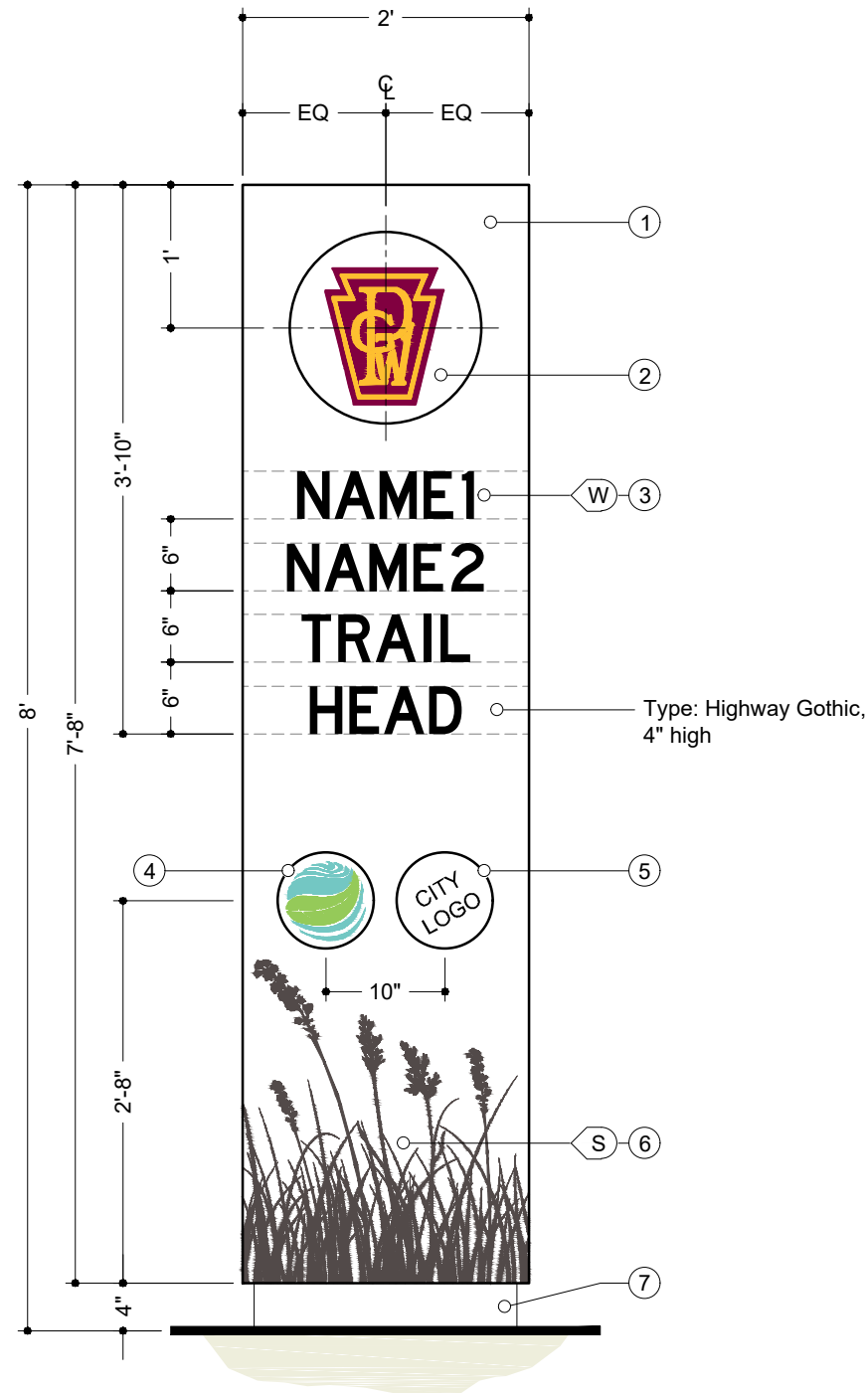




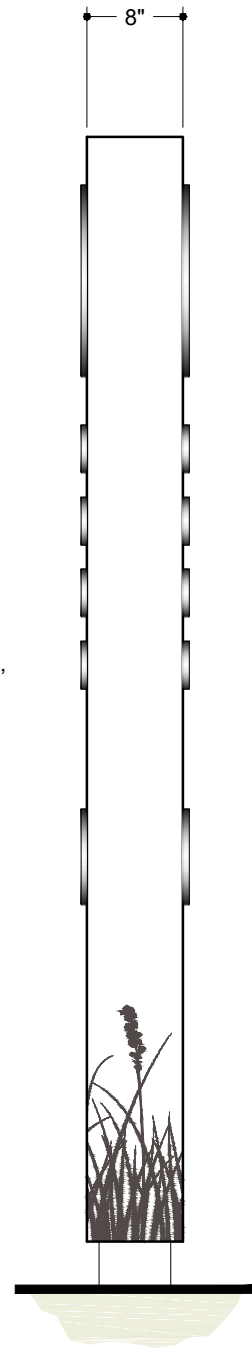
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- 1. ALUMINUM SLEEVE & FRAME**  
 MATERIAL: 1/8" thick aluminum  
 Fabricated aluminum sheet sign face and back, fully welded and fabricated sides with all edges and corners neatly finished  
 FRAME: Fabricated aluminum channel internal structure to engineer's specification. Frame to be set inside perimeter of sign sleeve
- 2. TRAIL LOGO**  
 MATERIAL: 12" dia x 1/4" thick aluminum  
 FABRICATION PROCESS: Router Cut  
 EDGES: Routed, finished smooth  
 FASTENER: adhesive  
 GRAPHICS/TEXT: digitally printed
- 3. RAISED LETTERING**  
 MATERIAL: 1/2" thick aluminum  
 EDGES: Routed, finished smooth  
 FASTENER: adhesive
- 4. GREENWAYS & BLUEWAYS LOGO**  
 MATERIAL: 8" dia x 1/4" thick aluminum  
 FABRICATION PROCESS: Router Cut  
 EDGES: Routed, finished smooth  
 FASTENER: adhesive  
 GRAPHICS/TEXT: digitally printed
- 5. CITY LOGO**  
 MATERIAL: 8" dia x 1/4" thick aluminum  
 FABRICATION PROCESS: Router Cut  
 EDGES: Routed, finished smooth  
 FASTENER: adhesive  
 GRAPHICS/TEXT: digitally printed
- 6. DIGITAL PRINT**  
 Digitally printed 'Praire Grass' silhouette and stone texture (not shown)
- 7. CONCRETE FOOTING**  
 Concrete footing to engineer's specifications. Conceal hold down bolts within sign structure



1 Front Elevation  
Scale: 3/4" = 1'-0"



2 Side Elevation  
Scale: 3/4" = 1'-0"



3 Rear Elevation  
Scale: 3/4" = 1'-0"

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Vehicular Trailhead Sign  
SHEET TITLE

5  
SHEET NUMBER

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- 1. TRAIL LOGO**  
MATERIAL: 12" dia x 1/4" thk. aluminum  
FABRICATION PROCESS: Router Cut  
EDGES: Routed, finished smooth  
FASTENER: adhesive  
GRAPHICS/TEXT: digitally printed
- 2. GREENWAYS & BLUEWAYS LOGO**  
MATERIAL: 6" dia x 1/4" thk. aluminum  
FABRICATION PROCESS: Router Cut  
EDGES: Routed, finished smooth  
FASTENER: adhesive  
GRAPHICS/TEXT: digitally printed
- 3. CITY LOGO**  
MATERIAL: 6" dia x 1/4" thk. aluminum  
FABRICATION PROCESS: Router Cut  
EDGES: Routed, finished smooth  
FASTENER: adhesive  
GRAPHICS/TEXT: digitally printed
- 4. ALUMINUM SLEEVE & FRAME**  
MATERIAL: 1/8" thick aluminum  
Fabricated aluminum sheet sign face and back, fully welded and fabricated sides with all edges and corners neatly finished  
FRAME: Fabricated aluminum channel internal structure to engineer's specification. Frame to be set inside perimeter of sign sleeve
- 5. MAP PANEL:**  
MATERIAL: Non-glare clear acrylic panel, high pressure laminate map panel.  
ARTWORK: Directory map shown for reference only. Map with all associated texts and pictograms to be provided in digital format.  
FASTENER: (6) six stainless steel Ø1-1/2" x 1" length stand-offs, tamper-proof
- 6. LOCATION PANEL**  
MATERIAL: 1/8" thick aluminum  
EDGES: Routed, finished smooth  
FASTENER: adhesive  
GRAPHICS/TEXT: digitally printed
- 7. DIGITAL PRINT**  
Digitally printed 'Praire Grass' silhouette and stone texture (not shown)
- 8. CONCRETE FOOTING**  
Concrete footing to engineer's specifications. Conceal hold down bolts within sign structure
- 9. LOGO TOP PANEL**  
MATERIAL: 1/8" thick aluminum  
FASTENER: welded

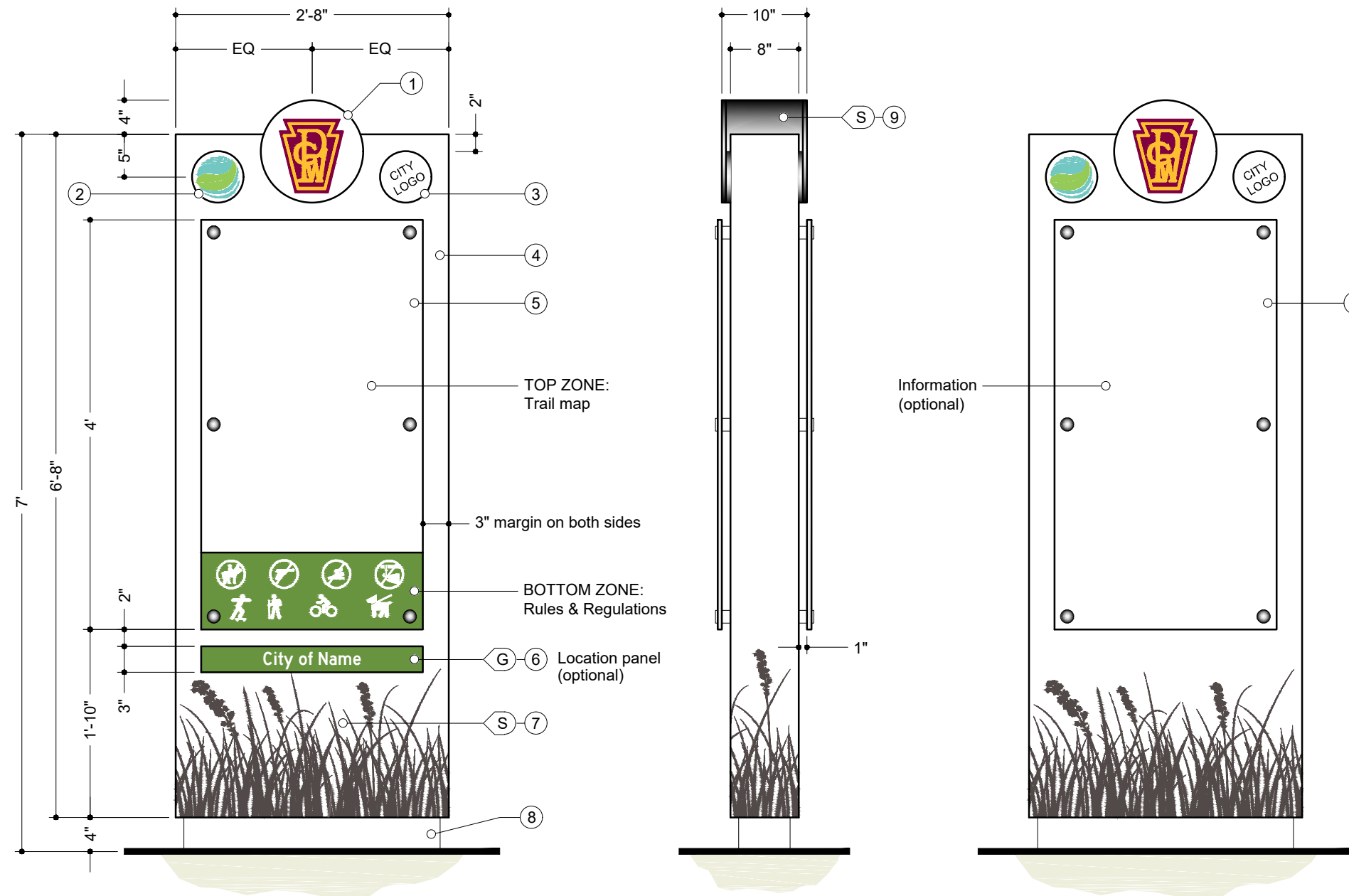
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08 August 2016  
DOCUMENT ISSUE

Map Kiosk  
SHEET TITLE

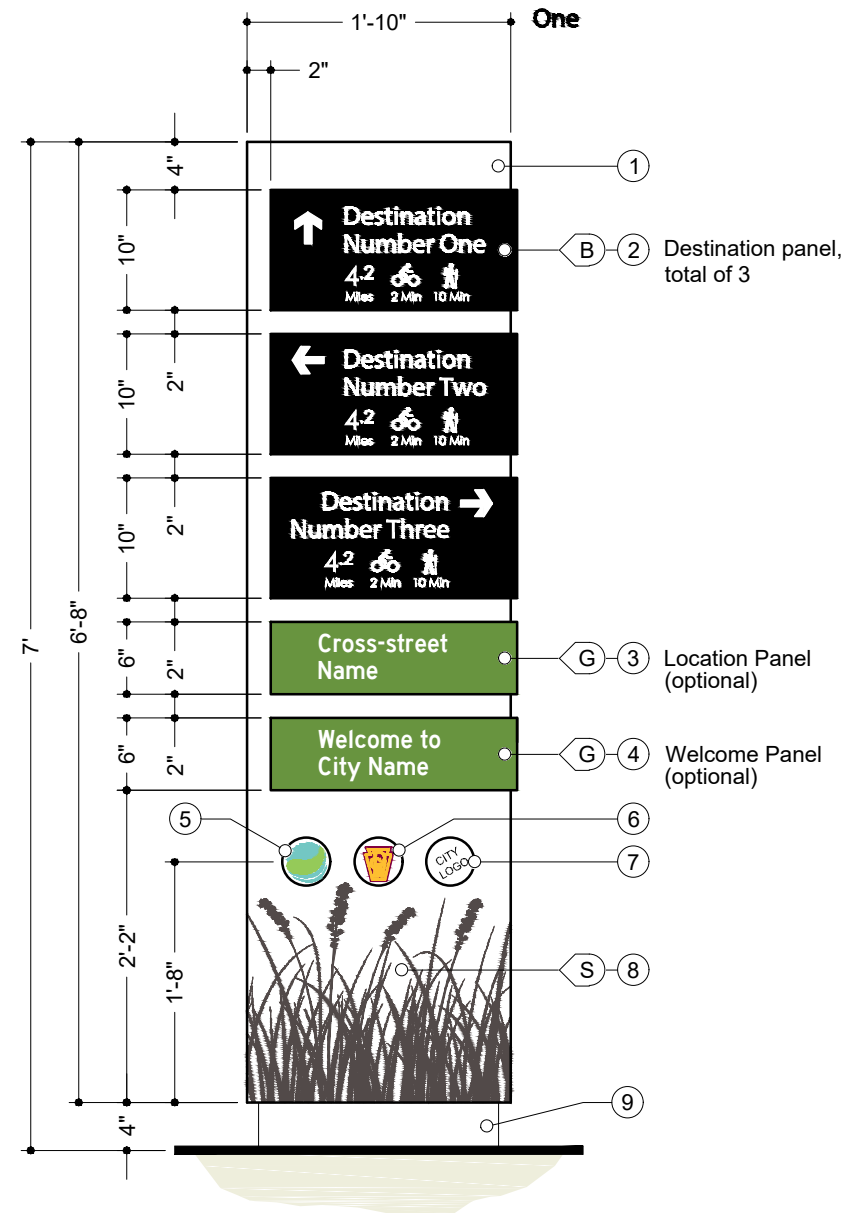
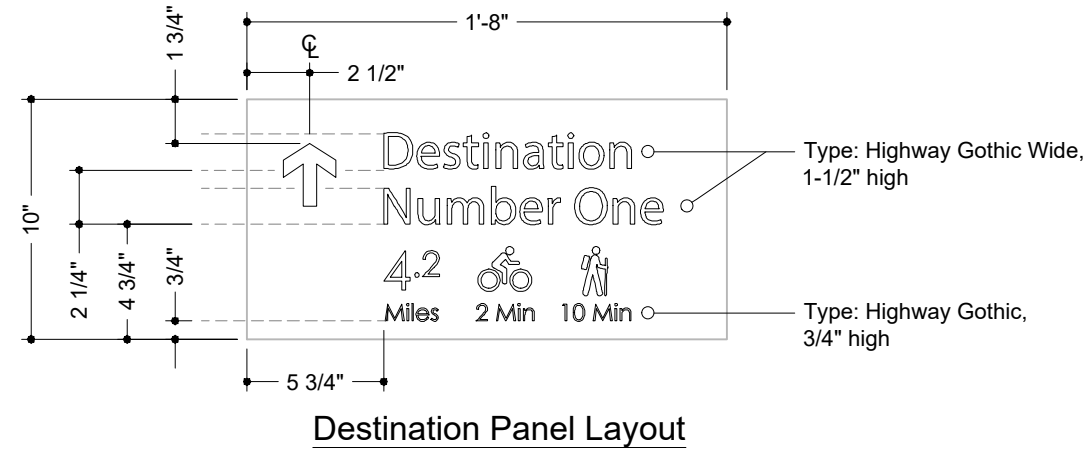
6  
SHEET NUMBER



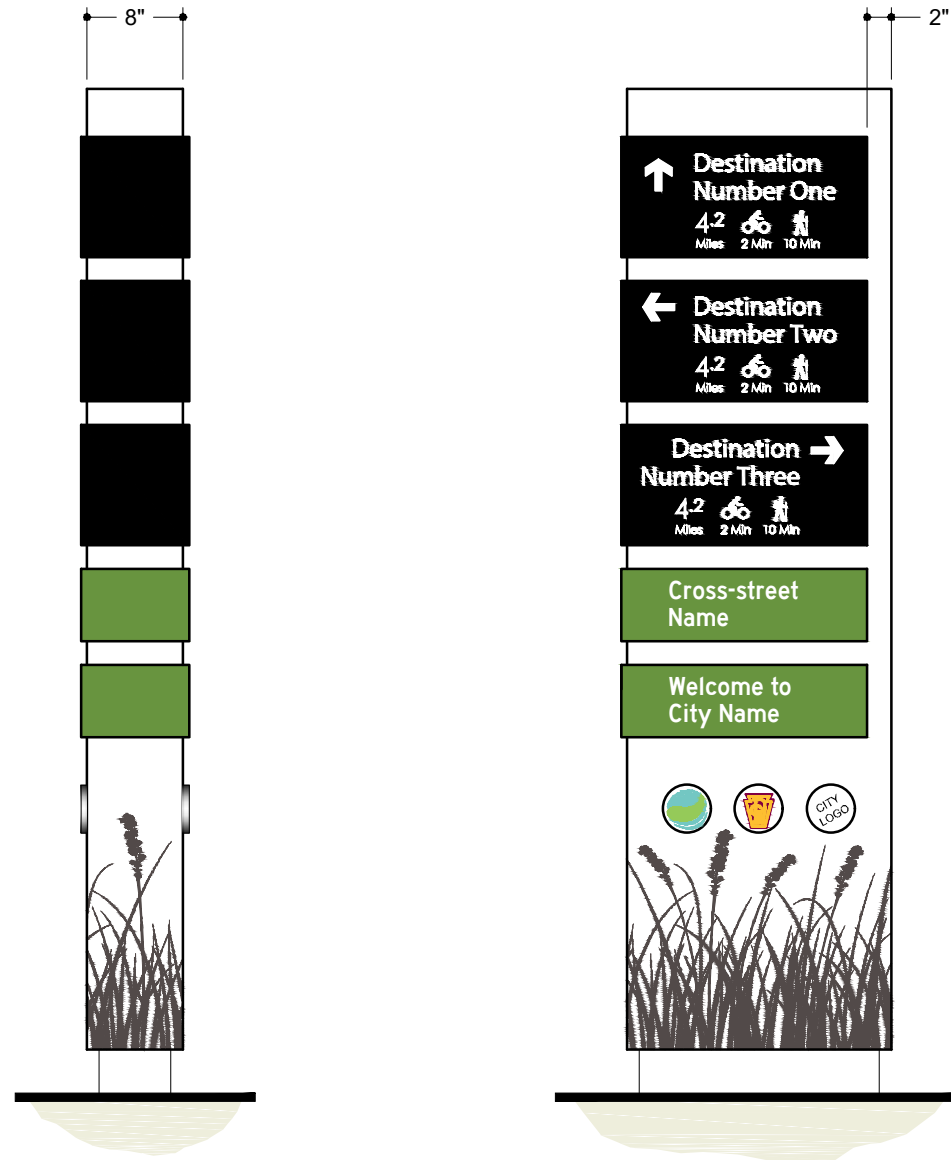
1 Front Elevation  
Scale: 3/4" = 1'-0"

2 Side Elevation  
Scale: 3/4" = 1'-0"

3 Rear Elevation  
Scale: 3/4" = 1'-0"



**1** Front Elevation  
Scale: 3/4" = 1'-0"



**2** Right Side Elevation  
Scale: 3/4" = 1'-0"

**3** Rear Elevation  
Scale: 3/4" = 1'-0"

Note: Left side similar but w/o signs wrapped around

KEY NOTES

- 1. ALUMINUM SLEEVE & FRAME**  
MATERIAL: 1/8" thick aluminum  
Fabricated aluminum sheet sign face and back, fully welded and fabricated sides with all edges and corners neatly finished  
FRAME: Fabricated aluminum channel internal structure to engineer's specification. Frame to be set inside perimeter of sign sleeve
- 2. DESTINATION PANEL**  
Panel wraps around sleeve  
MATERIAL: 1/8" thick aluminum  
FABRICATION PROCESS: Router cut  
EDGES: Routed, finished smooth  
FASTENER: adhesive  
GRAPHICS/TEXT: digitally printed
- 3. LOCATION PANEL**  
Panel wraps around sleeve  
MATERIAL: 1/8" thick aluminum  
FABRICATION PROCESS: Router cut  
EDGES: Routed, finished smooth  
FASTENER: adhesive  
GRAPHICS/TEXT: digitally printed
- 4. WELCOME PANEL**  
Panel wraps around sleeve  
MATERIAL: 1/8" thick aluminum  
FABRICATION PROCESS: Router cut  
EDGES: Routed, finished smooth  
FASTENER: adhesive  
GRAPHICS/TEXT: digitally printed
- 5. GREENWAYS & BLUEWAYS LOGO**  
MATERIAL: 4" dia x 1/4" thk. aluminum  
FABRICATION PROCESS: Router Cut  
EDGES: Routed, finished smooth  
FASTENER: adhesive  
GRAPHICS/TEXT: digitally printed
- 6. TRAIL LOGO**  
MATERIAL: 4" dia x 1/4" thk. aluminum  
FABRICATION PROCESS: Router Cut  
EDGES: Routed, finished smooth  
FASTENER: adhesive  
GRAPHICS/TEXT: screen printed
- 7. CITY LOGO**  
MATERIAL: 4" dia x 1/4" thk. aluminum  
FABRICATION PROCESS: Router Cut  
EDGES: Routed, finished smooth  
FASTENER: adhesive  
GRAPHICS/TEXT: digitally printed
- 8. DIGITAL PRINT**  
Digitally printed 'Praire Grass' silhouette and stone texture (not shown)
- 9. CONCRETE FOOTING**  
Concrete footing to engineer's specifications. Conceal hold down bolts within sign structure



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Pedestrian Directional Sign  
SHEET TITLE

**7**  
SHEET NUMBER

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1. SIGN PANEL

MATERIAL: 1/8" thick aluminum  
FABRICATION PROCESS: Router cut  
EDGES: Routed, finished smooth  
FASTENER: adhesive  
GRAPHICS/TEXT: digitally printed

2. GREENWAYS & BLUEWAYS LOGO

MATERIAL: 8" dia x 1/4" thk. aluminum  
FABRICATION PROCESS: Router Cut  
EDGES: Routed, finished smooth  
FASTENER: welded to post cap

3. WOOD POST

MATERIAL: 4" x 4" pressure treated wood  
INSTALLATION: 30" min. bury or surface mount per engineer's specifications

4. POST BRACKET

MATERIAL: steel, design by engineer  
FABRICATION PROCESS: welded  
FASTENER: Per engineer's specifications

5. POST CAP

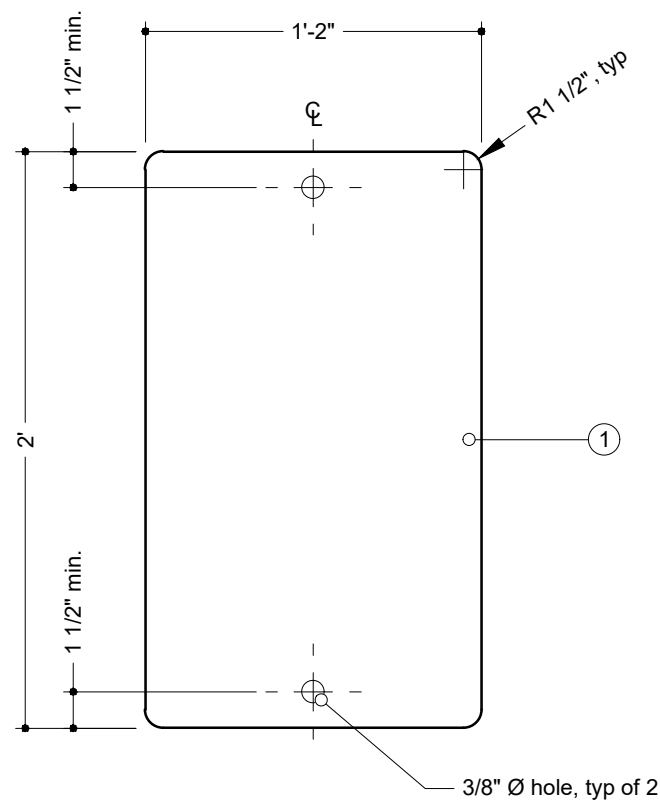
MATERIAL: 1/8" thick aluminum  
Fabricated aluminum sheet top, fully welded and fabricated sides with all edges and corners neatly finished  
FASTENER: mechanically fasten to wood post

6. SIGN FASTENERS

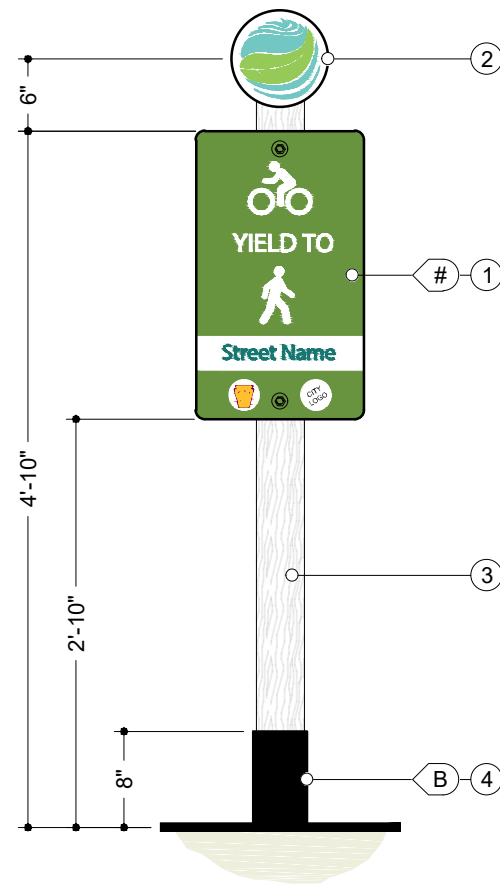
Per engineer's specifications



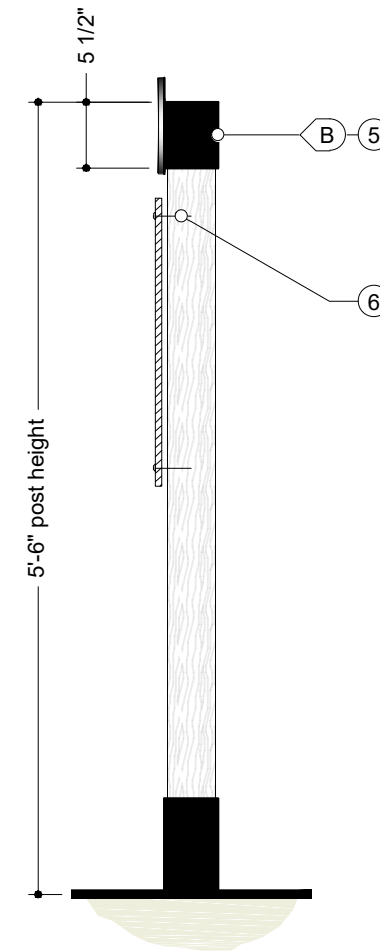
Typical sign, varies



1 Sign Layout  
Scale: 1 1/2" = 1'-0"



2 Front Elevation  
Scale: 3/4" = 1'-0"



3 Side Elevation  
Scale: 3/4" = 1'-0"

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DOCUMENT ISSUE

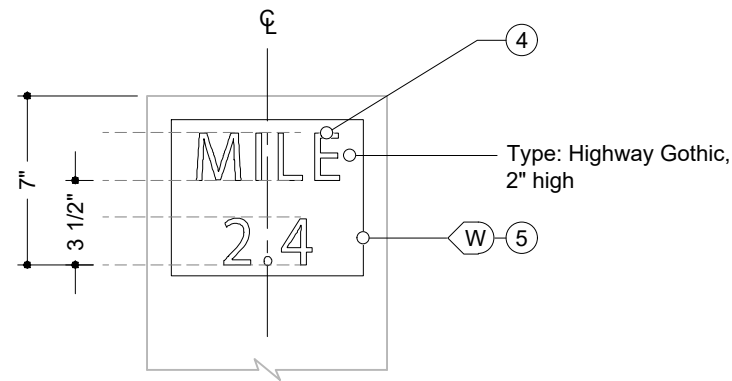
Pedestrian Regulatory Sign

SHEET TITLE

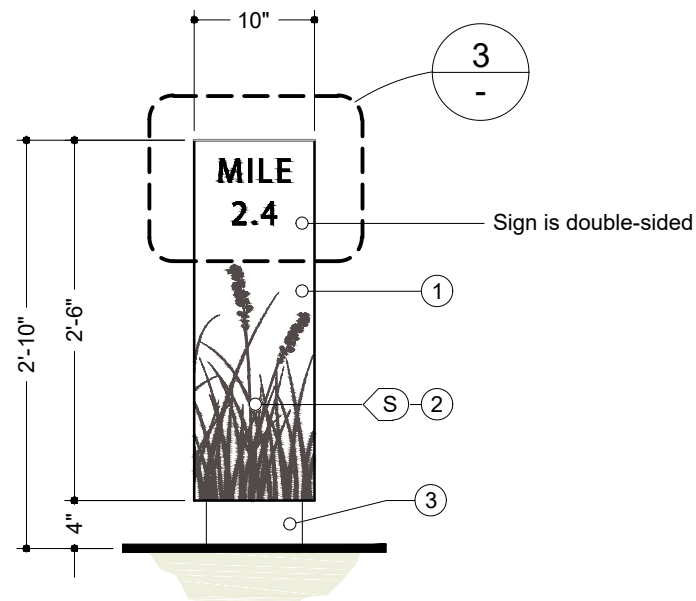
8

SHEET NUMBER

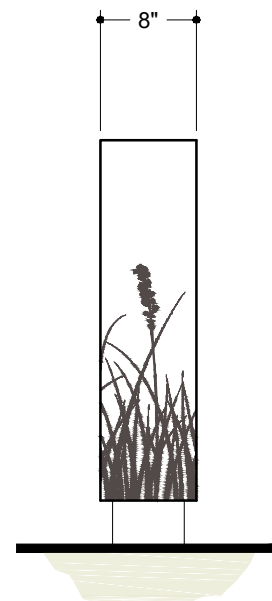




**3 Detail**  
Scale: 1 1/2" = 1'-0"



**1 Front Elevation**  
Scale: 3/4" = 1'-0"



**2 Side Elevation**  
Scale: 3/4" = 1'-0"

KEY NOTES

- 1. ALUMINUM SLEEVE & FRAME**  
MATERIAL: 1/8" thick aluminum  
Fabricated aluminum sheet sign face and back, fully welded and fabricated sides with all edges and corners neatly finished  
FRAME: Fabricated aluminum channel internal structure to engineer's specification. Frame to be set inside perimeter of sign sleeve
- 2. DIGITAL PRINT**  
Digitally printed 'Praire Grass' silhouette and stone texture (not shown)
- 3. CONCRETE FOOTING**  
Concrete footing to engineer's specifications. Conceal hold down bolts within sign structure
- 4. CUT-OUT TEXT**  
Text and numbers cut out of aluminum sleeve. EDGES: Routed, finished smooth
- 5. BACK PANEL**  
MATERIAL: 1/8" thick aluminum  
FASTENER: welded to sleeve



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Mile Marker Post

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9

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- Hardware: All exposed hardware shall be tamper proof fasteners.
- All exposed edges painted to match adjacent face.
- Colors shown are for reference only and are subject to the limitations of the printing process. Refer to referenced color systems contained within these drawings for actual specifications.
- Scaled examples shown are for reference only, and do not necessarily reflect actual site conditions. Detailed site surveys are required prior to fabrication and installation.
- Messages shown in these drawings are for general reference only. Refer to message schedules for actual required messages.

Northwestern Indiana  
Regional Planning Commission

CLIENT

NIRPC Unified Trail Wayfinding

PROJECT

08 August 2016

DOCUMENT ISSUE

Mile Marker Post

SHEET TITLE

10

SHEET NUMBER

1. GREENWAYS & BLUEWAYS LOGO

MATERIAL: 1/4" thick aluminum  
FABRICATION PROCESS: router cut  
EDGES: routed, finished smooth  
FASTENER: per engineer's specifications  
GRAPHICS/TEXT: digitally printed

2. PAVEMENT MARKING

MATERIAL: Preformed thermoplastic

3. UNDERPASS SIGN

Final size of sign dependant on sign placement and at the discretion of the engineer to ensure legibility for trail users.

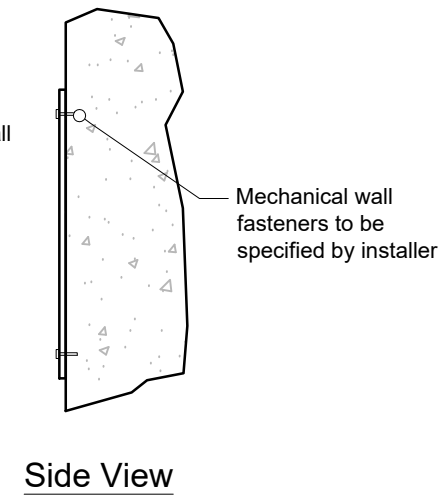
MATERIAL: 1/4" thick aluminum  
FABRICATION PROCESS: router cut  
EDGES: routed, finished smooth  
FASTENER: per engineer's specifications  
GRAPHICS/TEXT: digitally printed

4. DIGITAL PRINT

Digitally printed 'Prairie Grass' silhouette and stone texture (not shown)

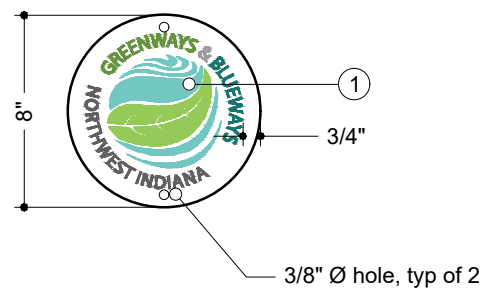


Manufacturer to field verify all wall conditions and specify the appropriate mechanical fastener



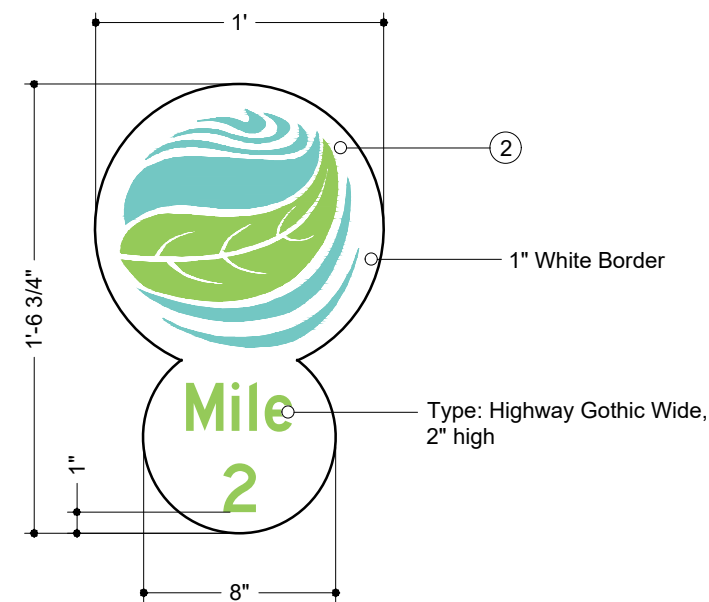
3 Trail Underpass Sign

Scale: 1 1/2" = 1'-0"



1 Sign Blaze

Scale: 1 1/2" = 1'-0"



2 Pavement Marking

Scale: 1 1/2" = 1'-0"