

BRONX RIVER GREENWAY

Signage
Standards

Version

08.24.2012



BRONX RIVER ALLIANCE

Bronx River Alliance
718.430.4665

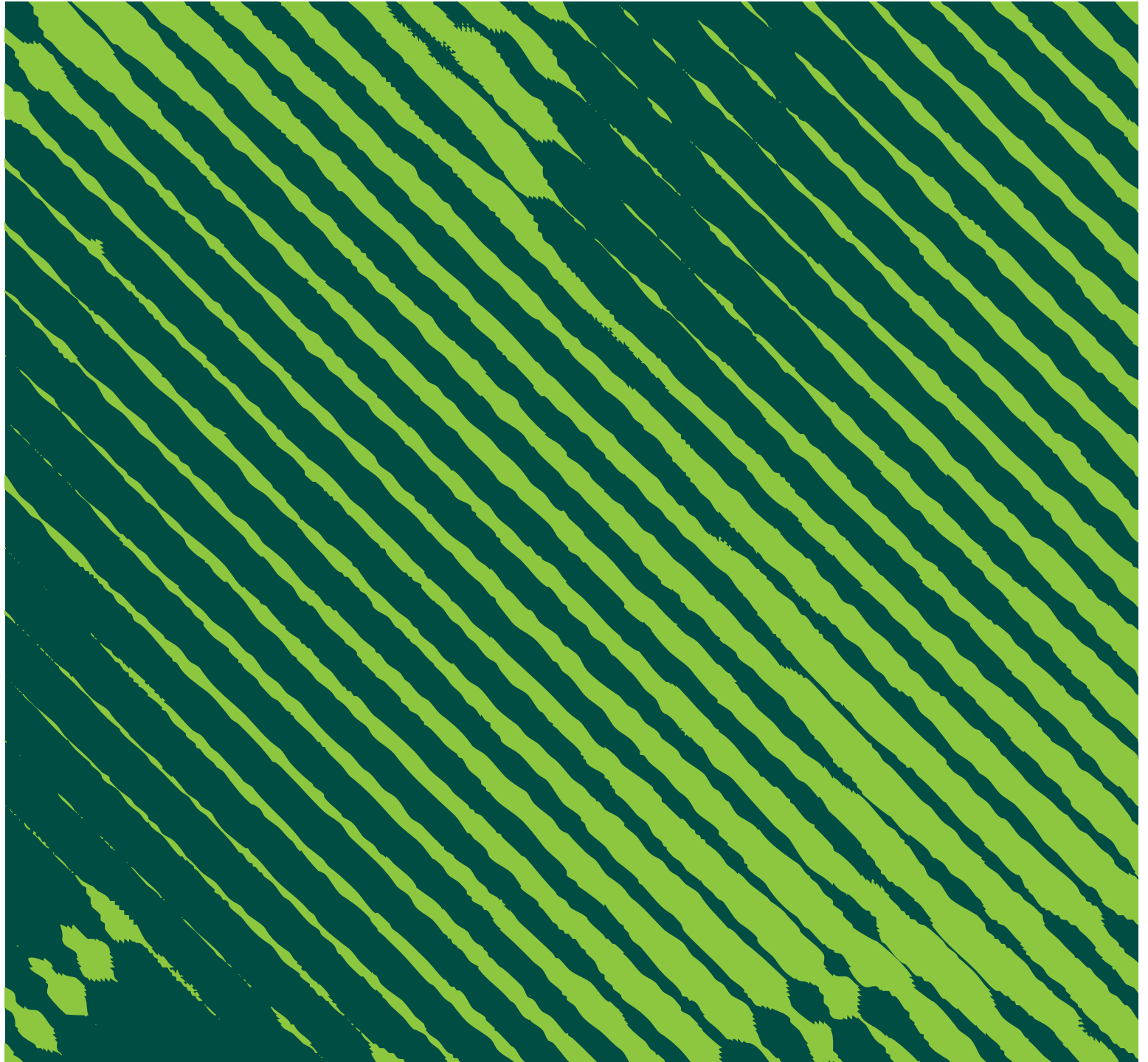
studio
limage

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212.242.3366



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Office of Donna Walcavage
Landscape Architecture
+ Urban Design
718.834.0224



BRONX RIVER GREENWAY Signage Standards

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BRONX RIVER GREENWAY Signage Standards

SECTION
A. System Overview

TITLE
Program Description

DRAWING #
A.01

SCALE
na

DATE
05.02.2008

DRAWN BY
HS

REVISIONS
MH 06.02.2009



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Program Description and Project Area

The Bronx River Greenway Signage Program is designed to facilitate wayfinding along an 8-mile trail that begins at the NYC portion of the Bronx River, and extends to the Westchester County border. Additionally, the wayfinding signage provides directional information to significant destinations and amenities in and around the trail area, including the Bronx Zoo and the Bronx Botanical Garden, as well as transportation links such as subway and Metro North stations.

Sign Types and Usage

There are three aspects to the signage program: Wayfinding, which is to say directional information; Identification, which consists of a graphic identification treatment for parks along the greenway, as well as a 'feature' identification component to identify special aspects of a site, e.g. Kayak and Canoe Launch; and Orientation, which is comprised of maps and user facility information for the entire site as well as local community information.

Directional Messages

The precise wording for all trail messages has not been determined at this time. However, examples of preferred and common messages are provided in the 'wayfinding signs' section (B2). As the signage program is implemented, the manual can be revised to reflect further development of messaging conventions.

Sign Placement

Off-route wayfinding signs should be located along greenway access points. Identification signs for parks should be located along the greenway shortly in advance of the specific park site, in both directions. Directional signage should be located at greenway intersections and decision points depicting greenway direction and/or off-route destinations. Orientation signage should be related to specific park implementation projects, and located at access points to the greenway.

Sign Materials

Sign graphic panels are designed to be fabricated with a high-pressure laminate or embedded graphics process. In all cases these panels will be 2-sided (even if one side does not display a message), consisting of two 0.25" thick HPL panels laminated back-to-back. Sign posts will be 1-1/2" Schedule 80 pipe with a powder-coated finish. The sign post caps will be fabricated from Grainger 1WKK6 PVC White Socket Caps with 2.25" outside diameter and 1.9" inside diameter. Caps shall be sanded smooth, trimmed down to 7/8" overall height, and painted with enamel on all sides to match PMS 376c green. Fabricator will provide shop drawings confirming all dimensions and hardware specifications. Bronx River Alliance must approve all drawings, colors, materials, and methods before fabrication.

Artwork

Bronx River Alliance will be responsible for providing digital artwork for greenway map, arrows and logos used in the signage. SEGDR Recreational Symbols must be used. They can be purchased online at SEGDR.org. Local orientation map art will be supplied as part of specific park implementation programs. Fabrication vendor should inform the Alliance of any format requirements or preferences.

For reproducible artwork please contact:

Bronx River Alliance
One Bronx River Parkway
Bronx, NY 10462
718.430.4665 phone
718.430.4658 fax
bronxriver.info@parks.nyc.gov

BRONX RIVER GREENWAY

Signage Standards

SECTION
A. System Overview

TITLE
Sign System Rendering

DRAWING #
A.02

SCALE
1/2" = 1' - 0"

DATE
08.24.2012

DRAWN BY
MH

REVISIONS



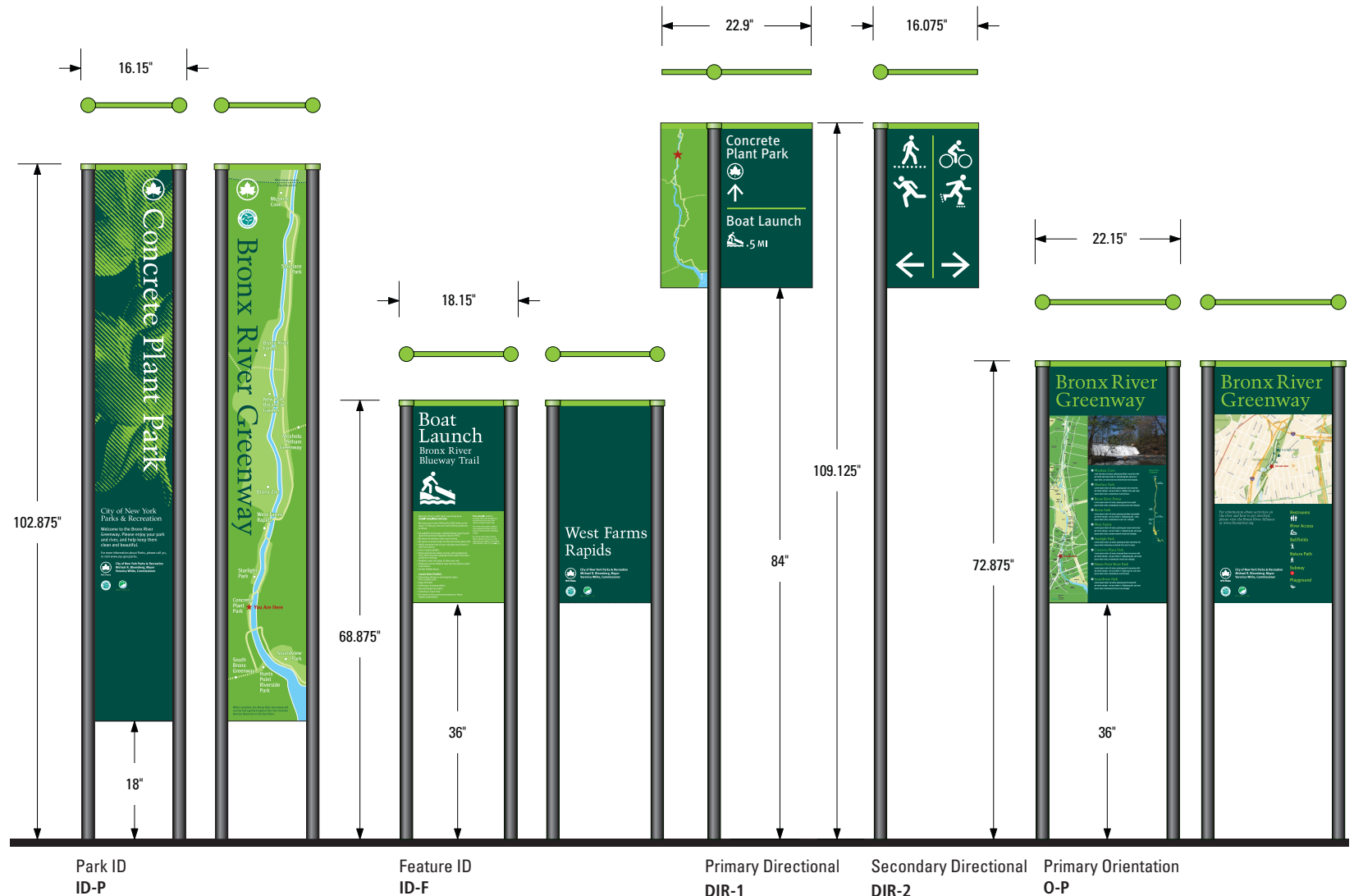
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Signage Standards

SECTION
A. System Overview

TITLE
Design Elements
Type & Color

DRAWING #
A.03

SCALE
na

DATE
05.02.2008

DRAWN BY
HS

REVISIONS
MH 05.08.2009



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typography

Trump Medieval

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

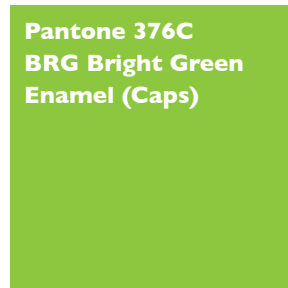
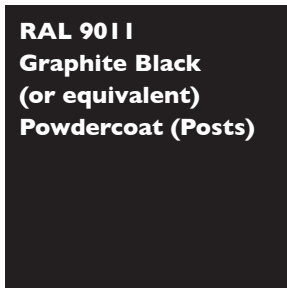
Meta Plus Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

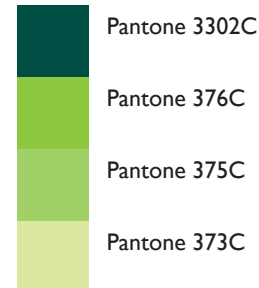
Meta Plus Book

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

color palette: components



color palette: HPL graphics



Computer screen and printed copies of this document are not accurate for color reference. Refer to the Pantone Matching System for exact color match paint formulas and swatches.

**BRONX RIVER
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Signage Standards

SECTION
A. System Overview

TITLE
Design Elements
Arrow Art

DRAWING #
A.04

SCALE
na

DATE
04.10.2009

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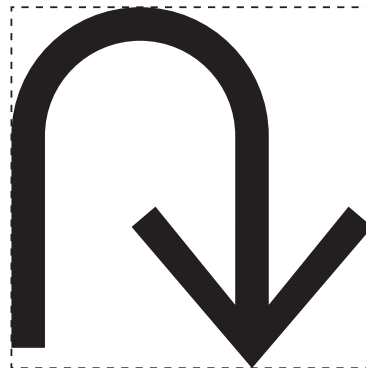
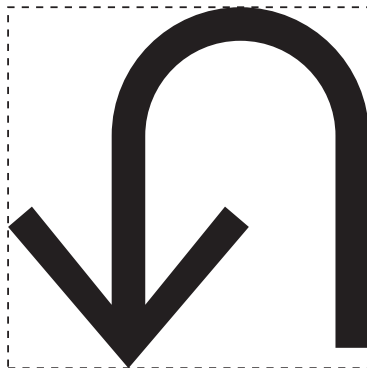
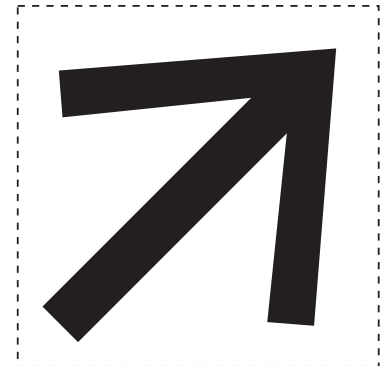
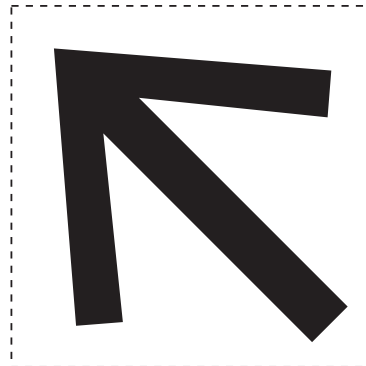
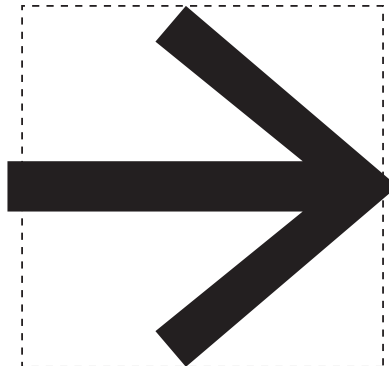
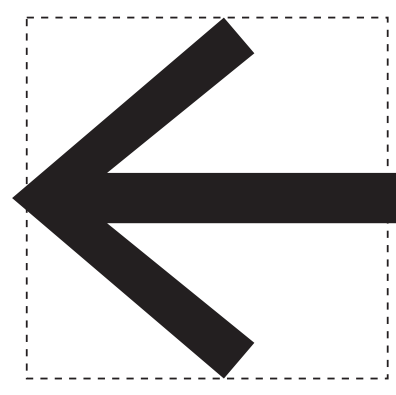
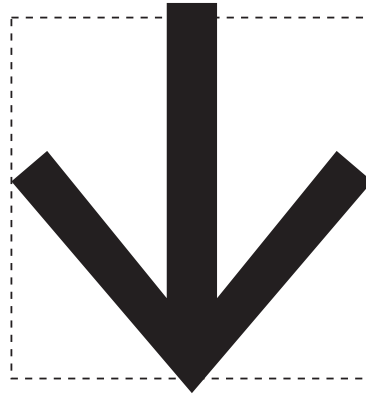
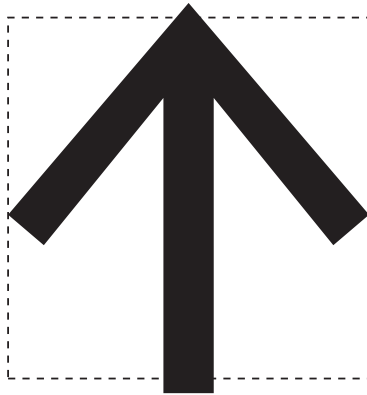
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Signage Standards

SECTION
A. System Overview

TITLE
Design Elements
SEGD Recreation Symbols

DRAWING #
A.05

SCALE
na

DATE
05.02.2008

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HS

REVISIONS
HS 02.16.2012



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Baseball
Fields



Basketball
Court



Beach



Boat Launch
Hand Carried



Boat Launch
Ramp



Campfire



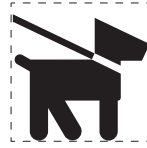
Canoeing



Car Area



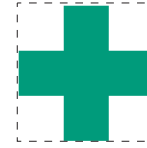
Diaper Change
Area



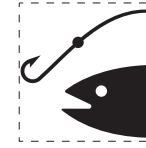
Dog Area



Drinking Water



First Aid



Fishing



Handball
Court



Hiking



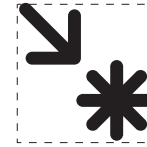
Kayaking



Picnic Area



Playground



Point of
Interest



Restroom
Men



Restroom
Unisex



Restroom
Women



Scenic View



Stroller Area



Soccer Field



Tennis Court



Windsurfing

Recreational Symbol Sign vector artwork
can be obtained from www.SEGD.org.

Ballplaying Symbol Sign vector artwork is
available from the Bronx River Alliance.

Symbol Usage:

Symbol artwork is to be sized to fill the symbol box width or height, or both if the artwork aspect ratio is square. Always align artwork with the symbol box bottom line, and right or left align depending on whether the panel layout is for Side A or B. Side A is left justified, Side B is right justified.

(See drawing B.2.02 for visual examples)

BRONX RIVER GREENWAY Signage Standards

SECTION
B. Graphic Conventions
B.I. Identification Signs

TITLE
Park ID / ID-P

DRAWING #
B.I.01

SCALE
1-1/2" = 1' - 0"

DATE
05.02.2008

DRAWN BY
HS

REVISIONS
MH 08.24.2012



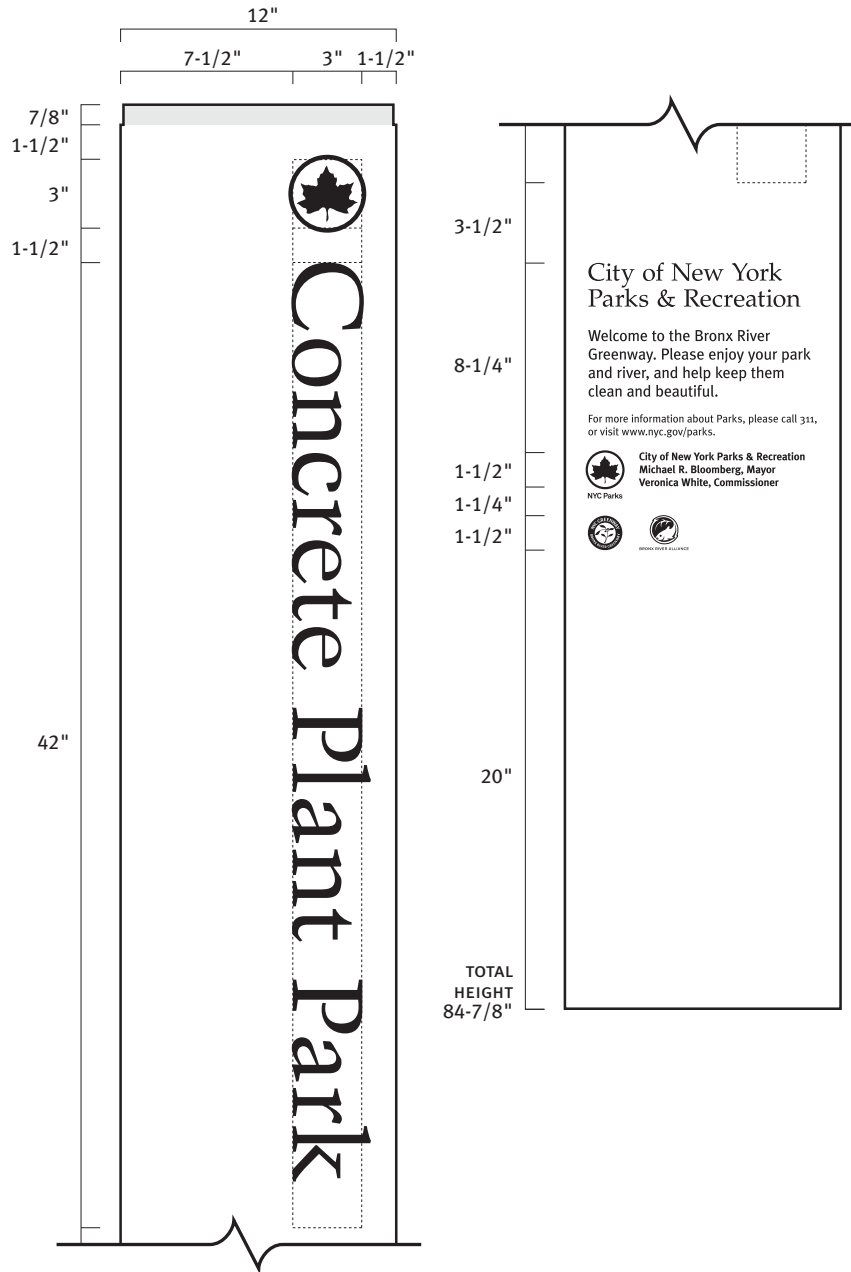
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park name:
Trump Medieval
3" Cap
Track +20

intro text:
Meta Plus Book
50pt/58pt

character count:
park name: 36 characters

Panel sizes represent visible area and do not include additional fins and channels for fastening. See fabrication drawings for overall panel dimensions.

BRONX RIVER GREENWAY Signage Standards

SECTION
B. Graphic Conventions
B.I. Identification Signs

TITLE
Feature ID / ID-F

DRAWING #
B.I.02

SCALE
2" = 1' - 0"

DATE
05.02.2008

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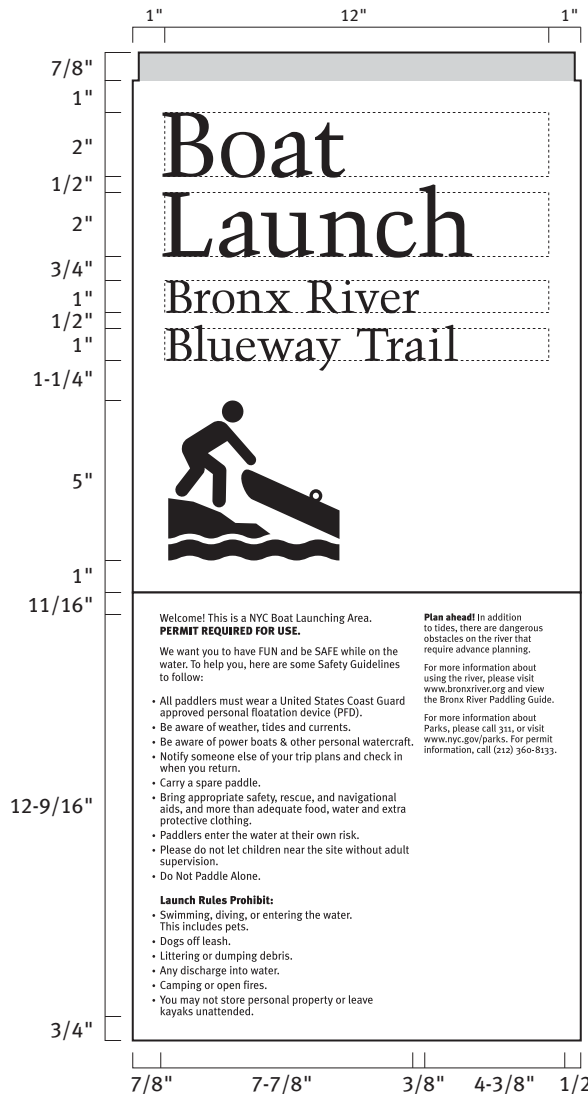
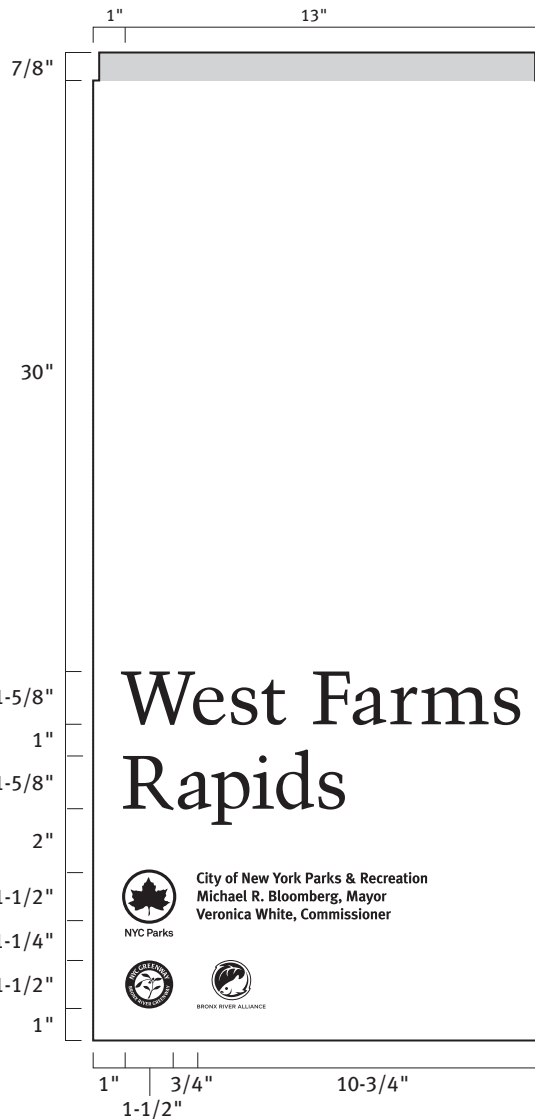
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park name:
Trump Medieval
1-5/8" Cap
Track +20

headline:
Trump Medieval
2" Cap
Track +20

sub-head:
Trump Medieval
1" Cap

main copy:
Meta Plus Book & Black
26pt/26pt

sidebar copy:
Meta Plus Book & Black
22pt/24pt

character count:
primary place name only:
10 characters per line
3 line maximum

secondary place name:
18 characters per line
2 line maximum

*park regulatory text is not
subject to change*

Panel sizes represent visible area and do not include additional fins and channels for fastening. See fabrication drawings for overall panel dimensions.

BRONX RIVER GREENWAY Signage Standards

SECTION

B. Graphic Conventions
B.2. Wayfinding Signs

TITLE

DIR-1, DIR-2
Description

DRAWING #

B.2.01

SCALE

na

DATE

05.02.2008

DRAWN BY

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The following wayfinding conventions and sign module descriptions have been developed to guide in the implementation of the signage program. Both the Directional and Informational modules use the same base sign unit, but their messages, content, and layouts vary in order to present the user information in a clear and consistent manner.

Following is a description of module functionality:

Sign Module DIR-1: On-route Primary Directional

This module is the primary directional sign, used at intersections and decision nodes. The information appearing on these signs may either refer to upcoming greenway destinations, or provide directional guidance to off-route destinations.

This sign module contains both a map panel and a message panel. The map panel is unique to this module. The message panel is physically identical to the message panel in the DIR-2 module. The graphic layout conventions shown in the Standards Manual reflect appropriate combinations and iterations.

This is a two-sided sign unit, and in most conditions will carry directional information on both sides. The map panel will always be two-sided.

Sign Module DIR-2: On-route Secondary Directional

This module consists of a two-sided message panel; this panel is physically identical to the message panel in the DIR-1 module.

This module carries secondary directional messages that are intended to trailblaze to the destination. This module also is used to communicate warning, etiquette, or regulatory information for the use of the greenway. Pictographs may be used for those situations where word messages would be confusing or too long. It does not replace mandatory MUTCD signage, nor should it be used for critical regulatory information. The Standards Manual gives examples of typical information usage as well as the recommended messages.

This is a two-sided sign unit, and in most conditions will carry directional information on both sides.

Off-route Signage

Wayfinding signs directing to the Bronx River Greenway from other trails in the NYC Greenway system, or from other locations, should meet the standards of the NYC Greenway Bike Signage program. These signs are not covered in this manual.

BRONX RIVER GREENWAY

Signage Standards

SECTION
B. Graphic Conventions
B.2. Wayfinding Signs

TITLE
DIR-1, DIR-2
Renderings

DRAWING #
B.2.02

SCALE
1" = 1' - 0"

DATE
05.02.2008

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MH 08.24.2012



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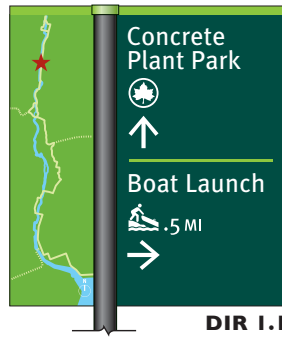
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SIDE A layouts are left justified

SIDE B layouts are right-justified

DIR-1

SIDE A EXAMPLES — DIRECTIONAL LAYOUTS

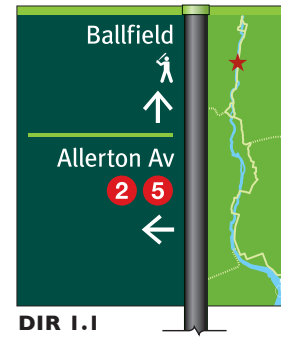


DIR 1.1



DIR 1.2

SIDE B EXAMPLES — DIRECTIONAL LAYOUTS



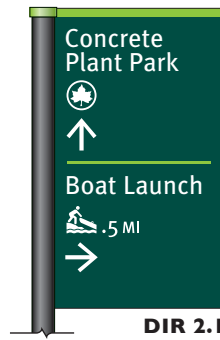
DIR 1.1



DIR 1.2

DIR-2

SIDE A EXAMPLES — DIRECTIONAL LAYOUTS



DIR 2.1



DIR 2.2

SIDE B EXAMPLES — DIRECTIONAL LAYOUTS



DIR 2.1



DIR 2.2

DIR-2

SIDE A EXAMPLES — REGULATORY LAYOUTS



DIR/REG 2.3



DIR/REG 2.3



DIR/REG 2.4

SIDE B EXAMPLES — REGULATORY LAYOUTS



DIR/REG 2.3



DIR/REG 2.3



DIR/REG 2.4

**BRONX RIVER
GREENWAY**
Signage Standards

SECTION
B. Graphic Conventions
B.2. Wayfinding Signs

TITLE
DIR-1, DIR-2

DRAWING #
B.2.03

SCALE
1-1/2" = 1' - 0"

DATE
05.02.2008

DRAWN BY
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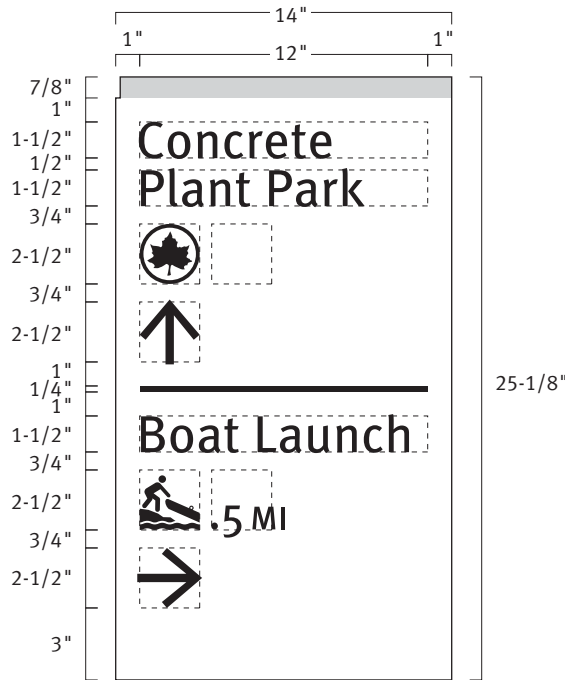
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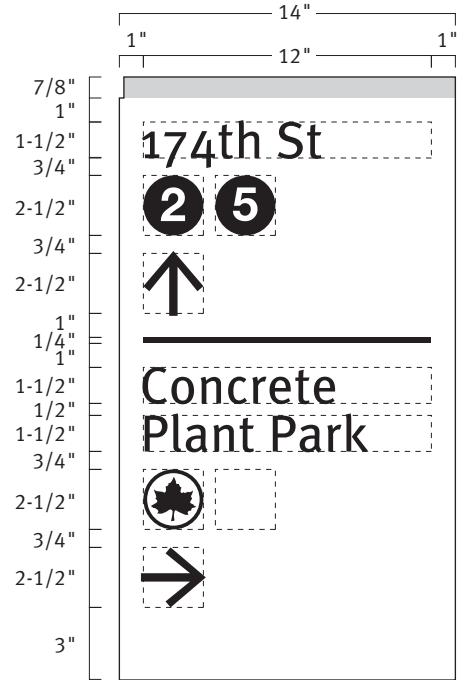
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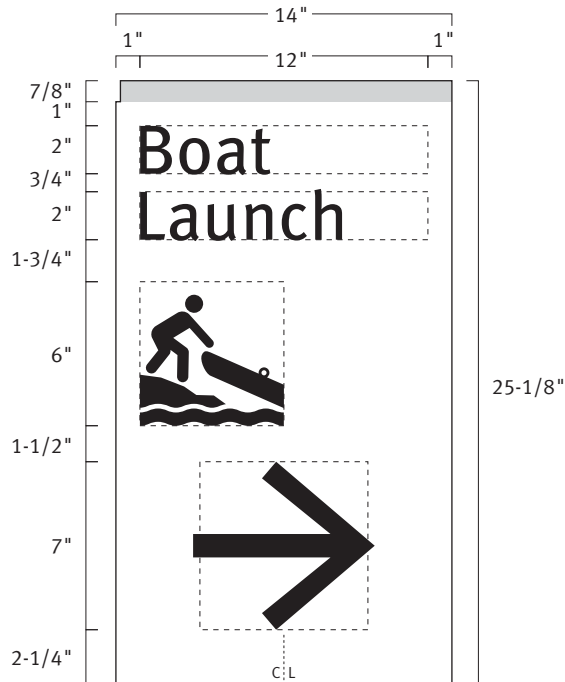
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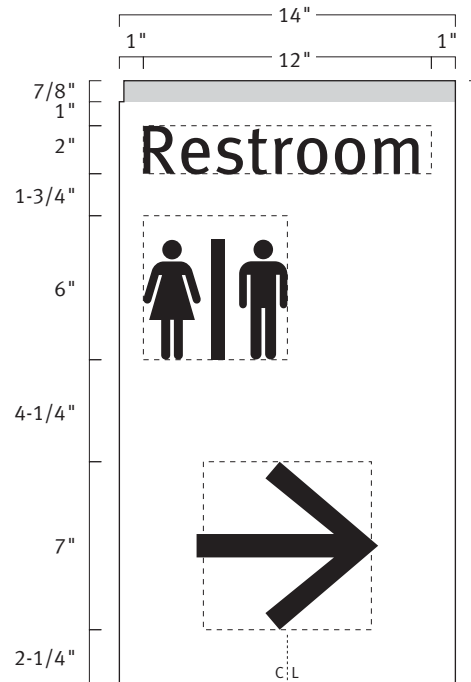
DIR-1.1, DIR-2.1



DIR-1.1, DIR-2.1



DIR-1.2, DIR-2.2



DIR-1.2, DIR-2.2

DIR-1.1, DIR-2.1
MULTIPLE MESSAGE
DIRECTIONAL
Meta Plus Book
1-1/2" Cap
Track +20

character count:
12 characters per line
2 line maximum w/symbols
4 line maximum text only

notes:
Layouts shown are SIDE A,
left-justified. SIDE B layouts are
right-justified.

Panel sizes represent visible area
and do not include additional
fins and channels for fastening.
See fabrication drawings for
overall panel dimensions.

DIR-1.2, DIR 2.2
SINGLE MESSAGE
DIRECTIONAL
Meta Plus Book
2" Cap
Track +20

character count:
9 characters per line
3 line maximum w/symbols
4 line maximum text only

BRONX RIVER GREENWAY Signage Standards

SECTION
B. Graphic Conventions
B.2. Wayfinding Signs

TITLE
DIR-1 Map Panel

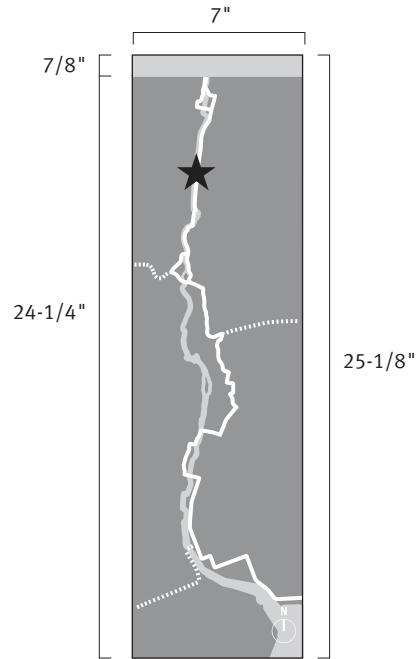
DRAWING #
B.2.04

SCALE
1-1/2" = 1' - 0"

DATE
05.02.2008

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HS

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HS 02.16.2012



DIR-1.1 ORIENTATION MAP

notes:

Panel sizes represent visible area and do not include additional fins and channels for fastening. See fabrication drawings for overall panel dimensions.



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BRONX RIVER GREENWAY
Signage Standards

SECTION
B. Graphic Conventions
B.2. Wayfinding Signs

TITLE
DIR-2 Regulatory Layouts

DRAWING #
B.2.05

SCALE
1-1/2" = 1' - 0"

DATE
05.02.2008

DRAWN BY
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REVISIONS
MH 08.24.2012



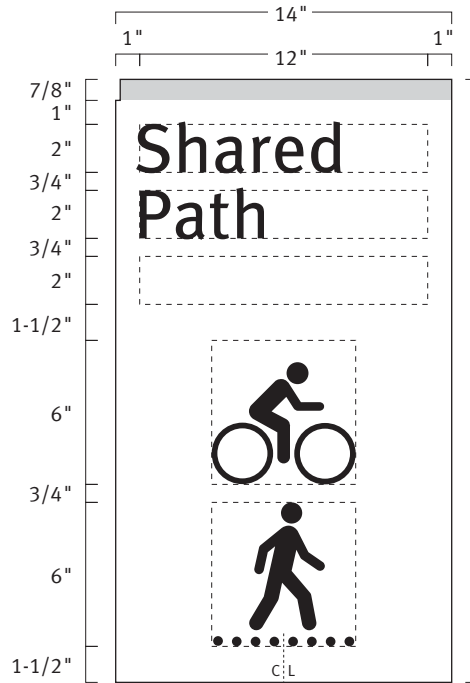
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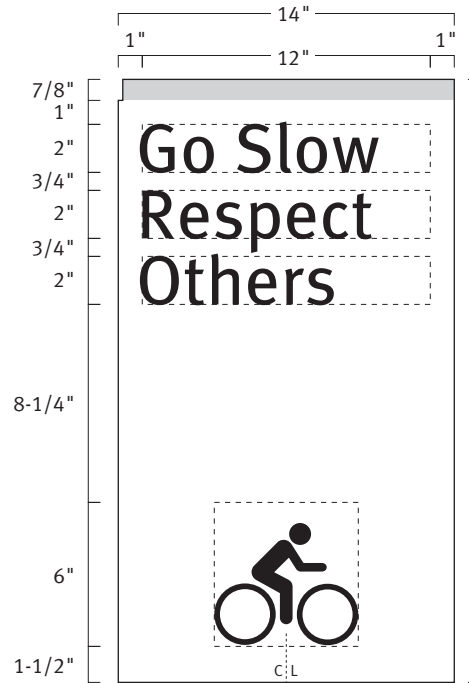
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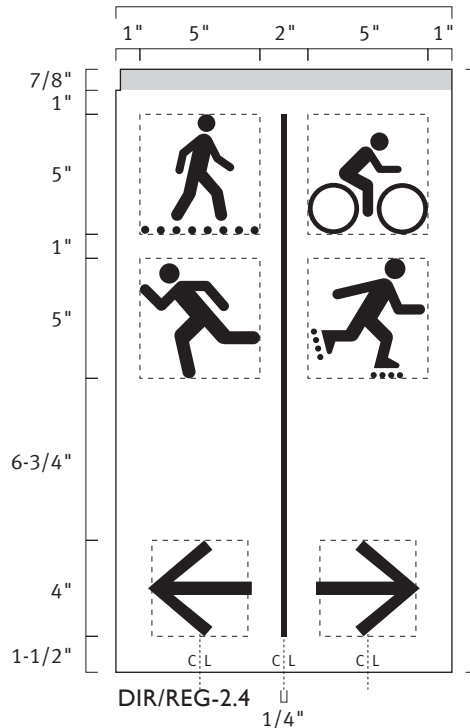
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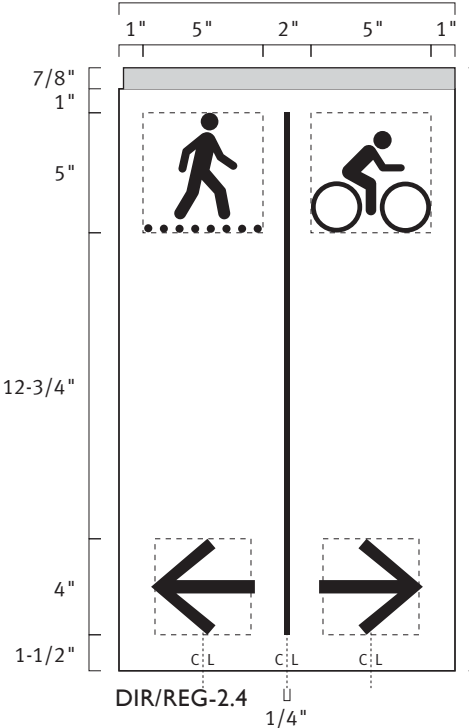
DIR/REG-2.3



DIR/REG-2.3



DIR/REG-2.4



DIR/REG-2.4

DIR/REG-2.3
SINGLE MESSAGE
REGULATORY
Meta Plus Book
2" Cap
Track +20

character count:

9 characters per line
3 line maximum w/symbols
4 line maximum text only

notes:

Layouts shown are SIDE A,
left-justified. SIDE B layouts are
right-justified.

Panel sizes represent visible area
and do not include additional
fins and channels for fastening.
See fabrication drawings for
overall panel dimensions.

DIR/REG-2.4
SYMBOLS ONLY

BRONX RIVER GREENWAY Signage Standards

SECTION
B. Graphic Conventions
B.3. Orientation Signs

TITLE
Primary Orientation / O-P
Side A

DRAWING #
B.3.01

SCALE
2" = 1' - 0"

DATE
05.02.2008

DRAWN BY
HS

REVISIONS
MH 08.24.2012



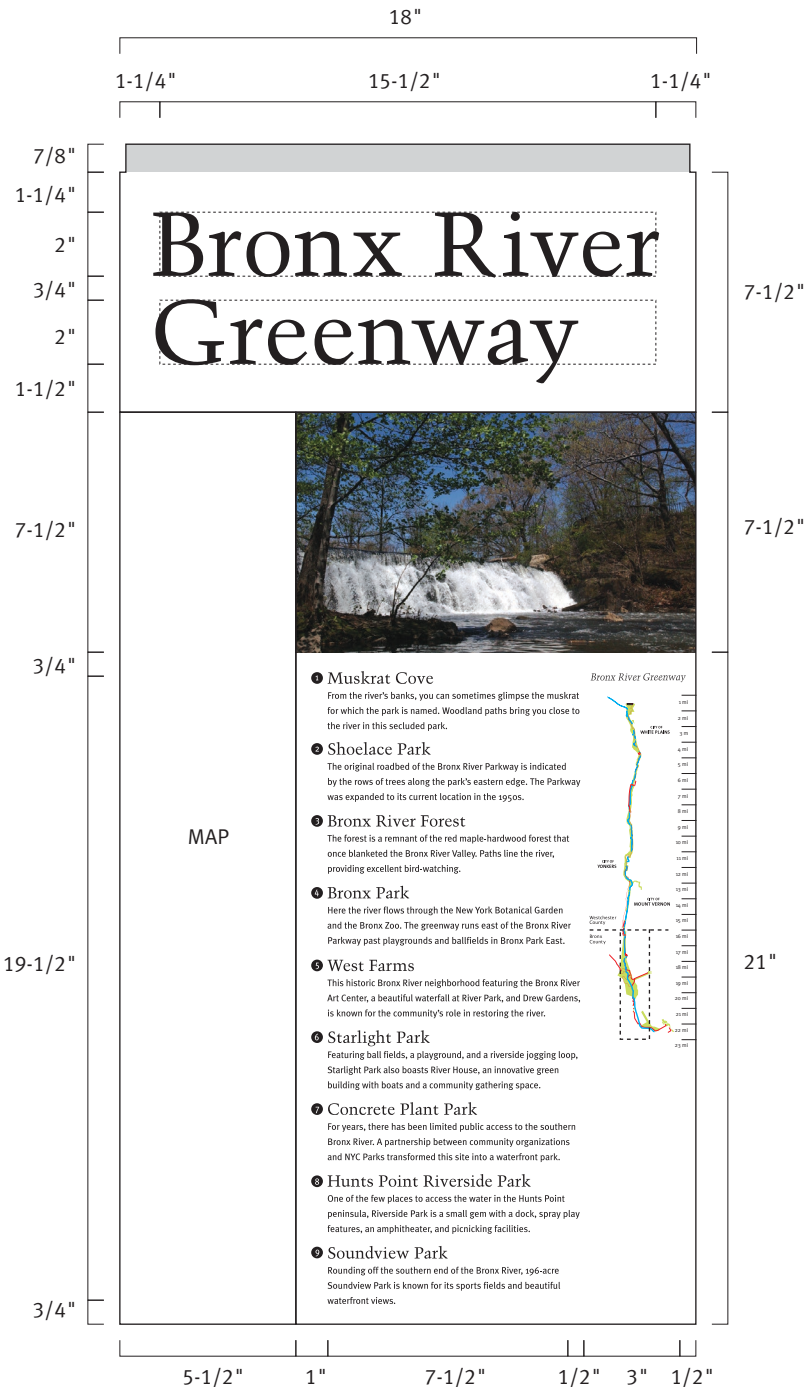
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panel title:
Trump Medieval 2" Cap

place name:
Trump Medieval
34pt/40pt

text:
Meta Plus Book
20pt/26pt

character count:
park description:
64 characters per line
3 line maximum

panel title and park descriptions are not subject to change

notes:
Panel sizes represent visible area and do not include additional fins and channels for fastening. See fabrication drawings for overall panel dimensions.

BRONX RIVER GREENWAY Signage Standards

SECTION
B. Graphic Conventions
B.3. Orientation Signs

TITLE
Primary Orientation / O-P
Side B

DRAWING #
B.3.02

SCALE
2" = 1' - 0"

DATE
05.02.2008

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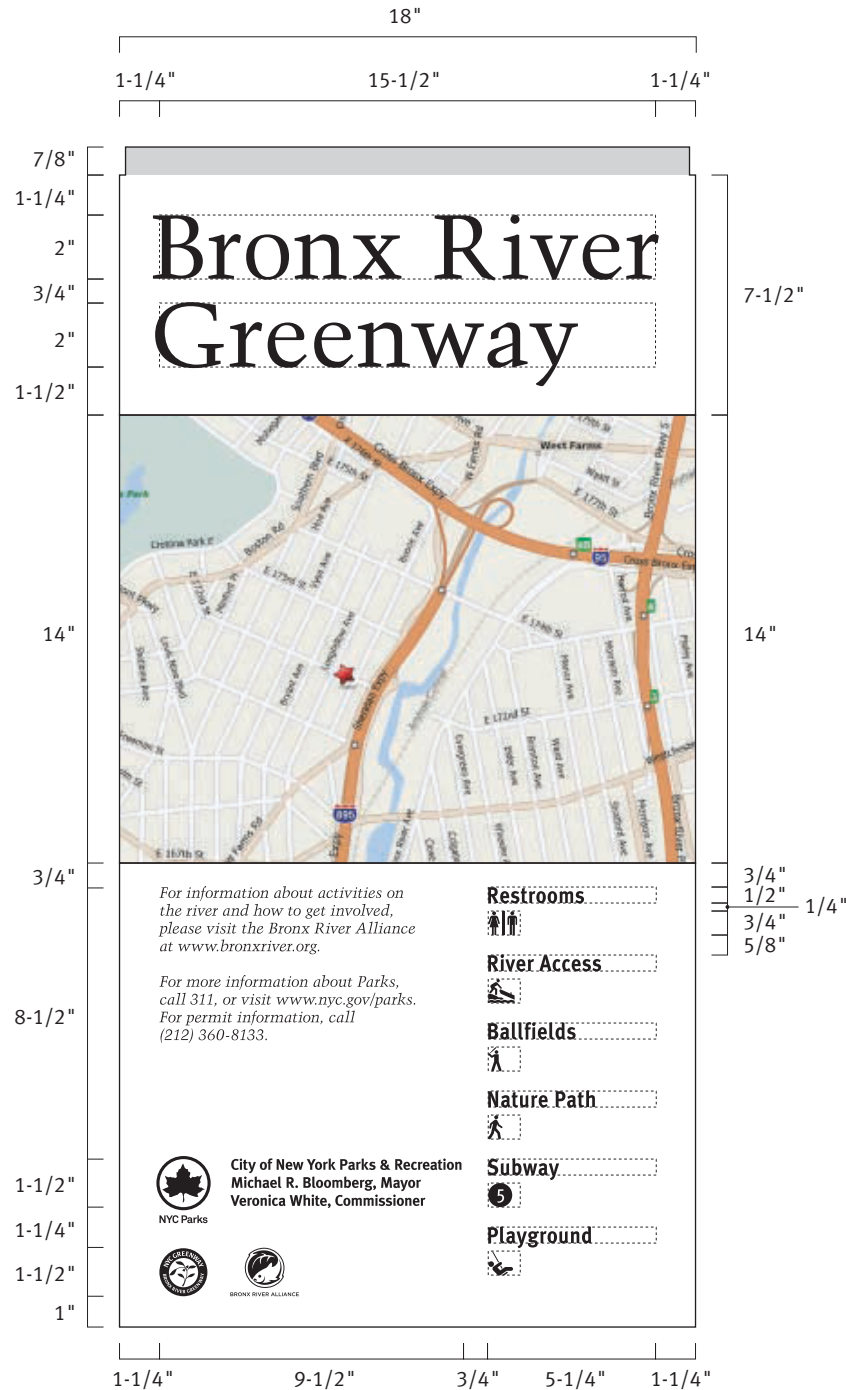
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panel title:
Trump Medieval 2" Cap

text—about the alliance:
Trump Medieval Italic
34pt/40pt

text—features:
Meta Plus Bold
50pt

park information:
Meta Plus Book
24pt/26pt

character count:
park feature text:
18 characters per line

*panel title and Alliance text
are not subject to change*

notes:
Panel sizes represent visible area
and do not include additional fins
and channels for fastening. See
fabrication drawings for overall
panel dimensions.

BRONX RIVER GREENWAY

Signage Standards

SECTION
C. Fabrication Drawings
C.I. Identification Signs

TITLE
Park ID / ID-P
Overview

DRAWING #
C.I.01

SCALE
1-1/2" = 1' - 0"

DATE
05.02.2008

DRAWN BY
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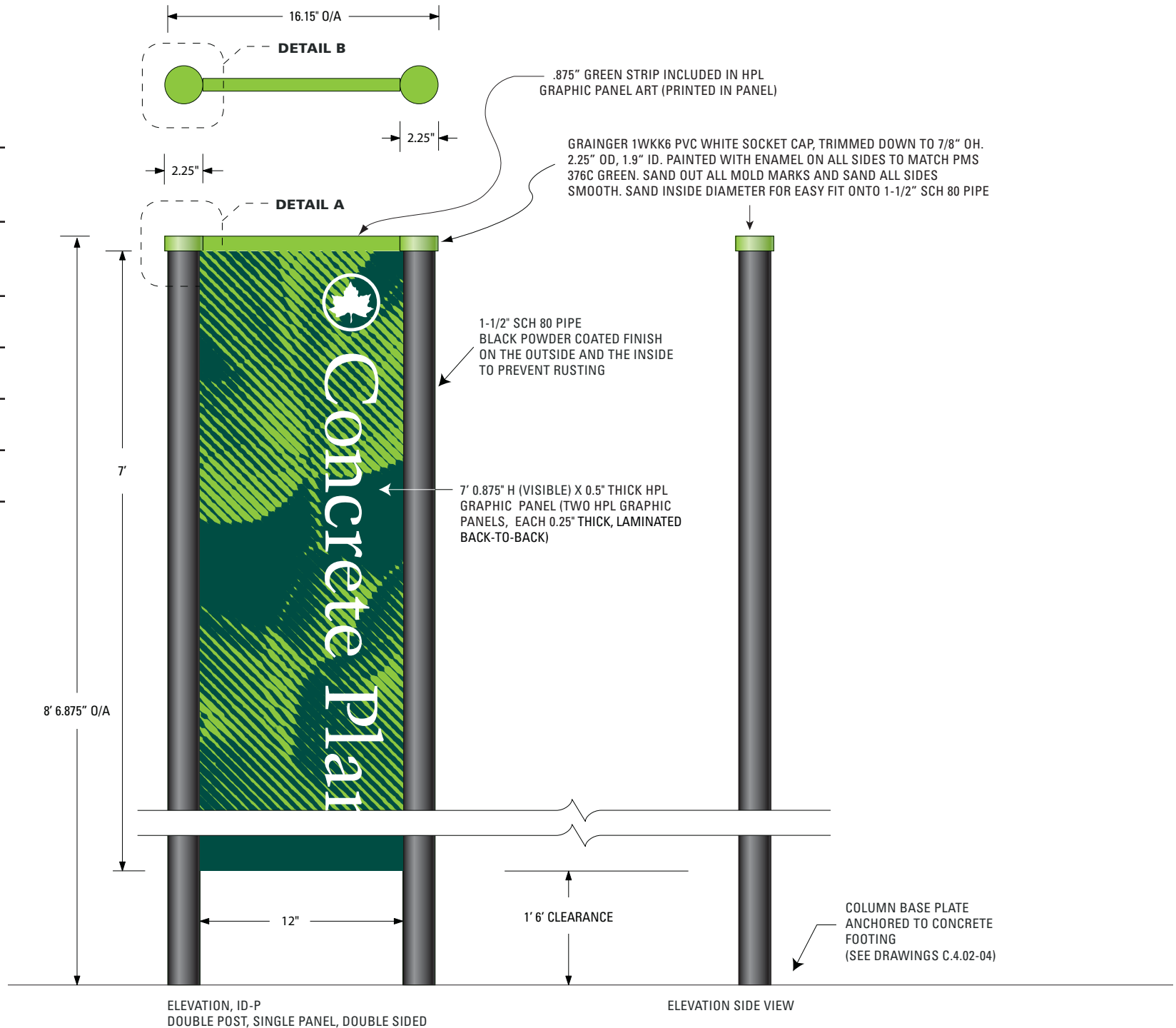
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BRONX RIVER GREENWAY Signage Standards

SECTION
C. Fabrication Drawings
C.I. Identification Signs

TITLE
Park ID / ID-P
Graphic Panel

DRAWING #
C.I.02

SCALE
1:2

DATE
05.02.2008

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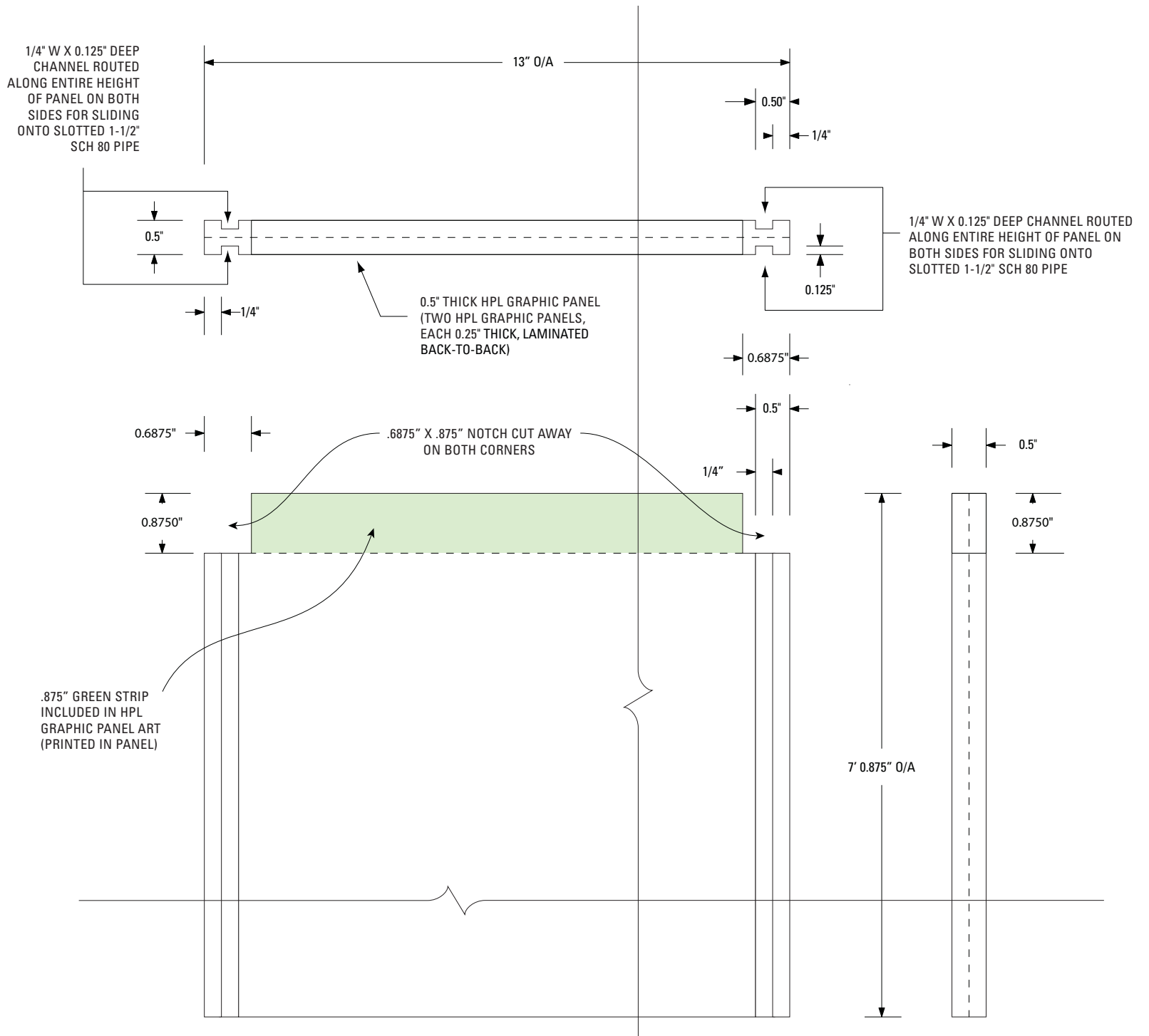
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Signage Standards

SECTION
C. Fabrication Drawings
C.I. Identification Signs

TITLE
Park ID / ID-P
Details & Sections

DRAWING #
C.I.03

SCALE
1:2

DATE
05.02.2008

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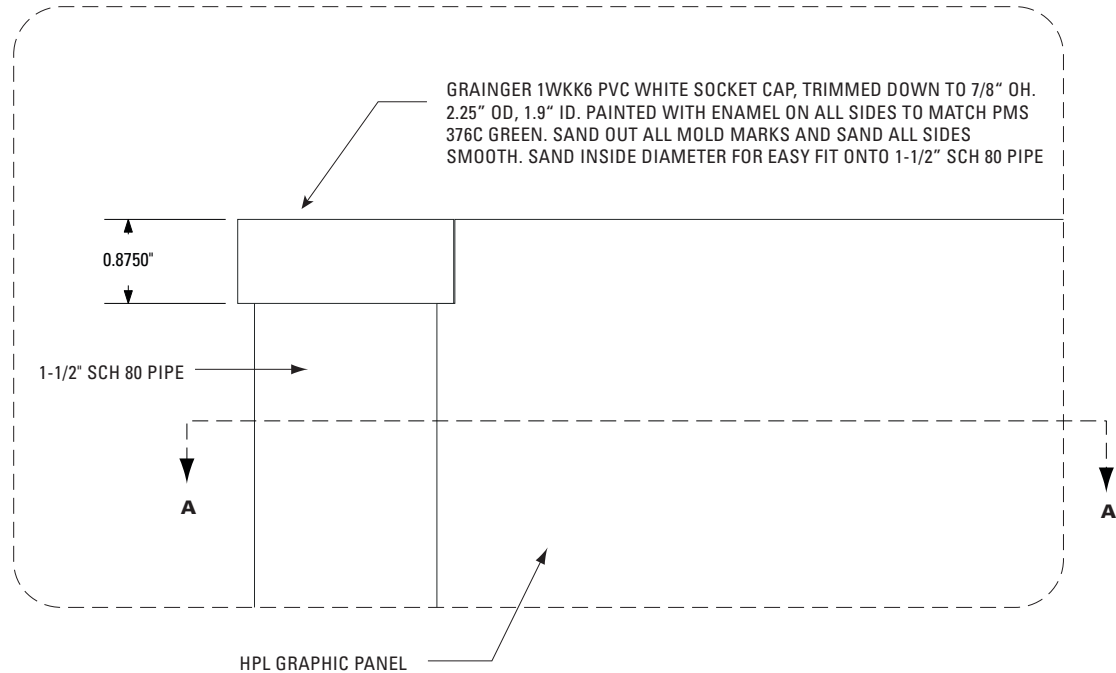


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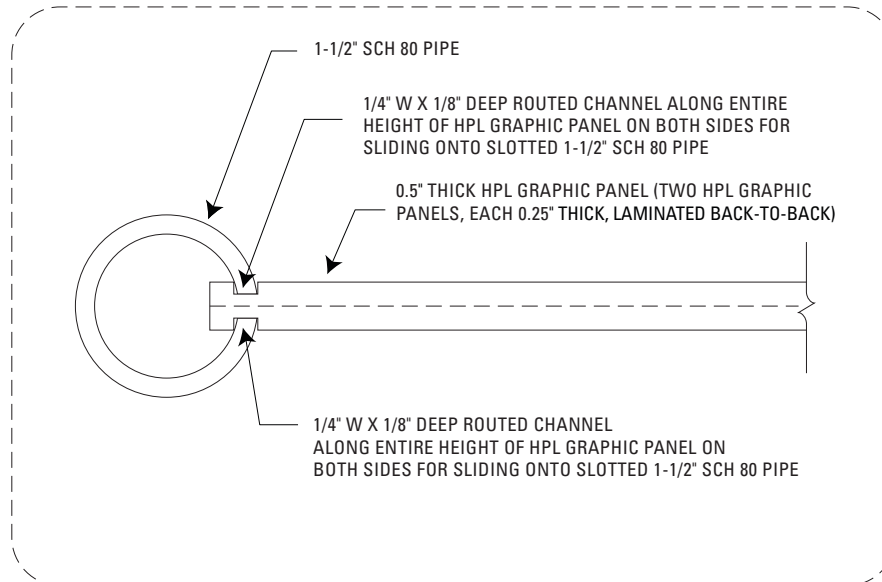
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DETAIL A 1:2 SCALE



SECTION AA 1:2 SCALE



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Signage Standards

SECTION
C. Fabrication Drawings
C.I. Identification Signs

TITLE
Park ID / ID-P
Details & Sections

DRAWING #
C.I.04

SCALE
as marked

DATE
05.02.2008

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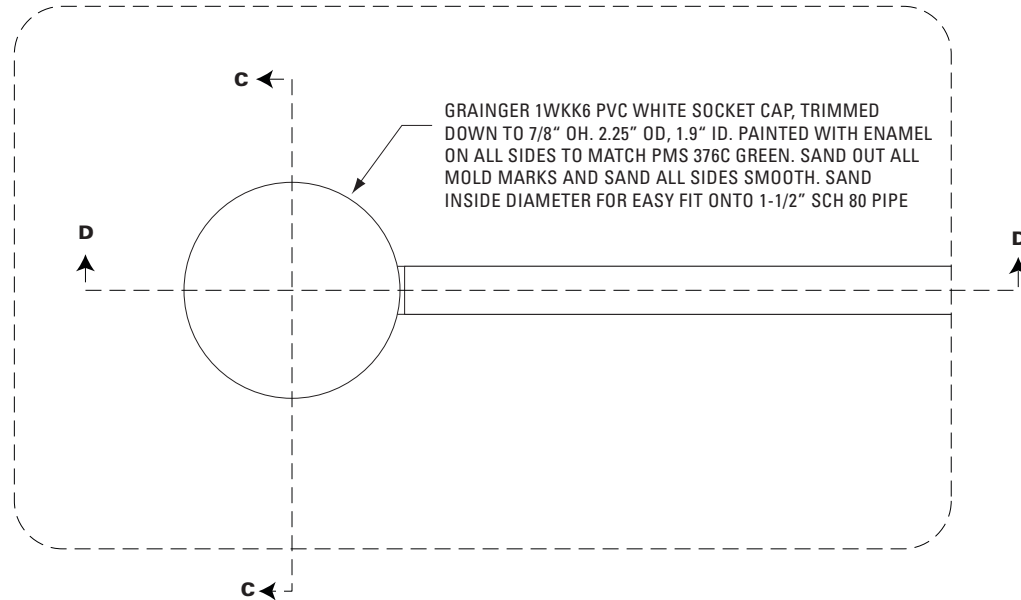


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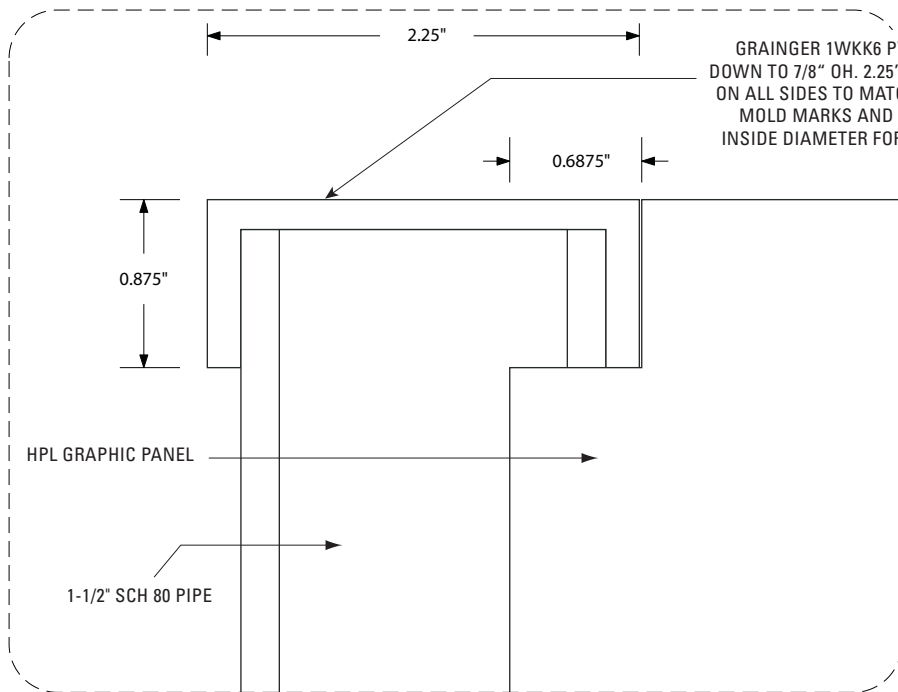
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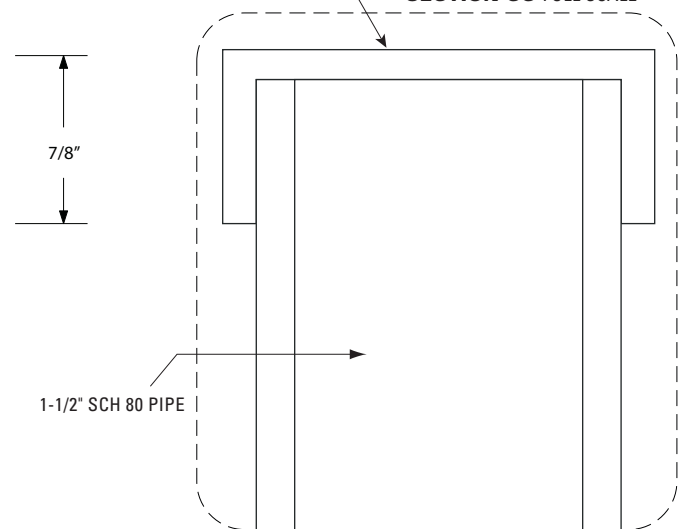
DETAIL B 1:2 SCALE



SECTION DD FULL SCALE



SECTION CC FULL SCALE



BRONX RIVER GREENWAY

Signage Standards

SECTION
C. Fabrication Drawings
C.I. Identification Signs

TITLE
Park ID / ID-P
Details & Sections

DRAWING #
C.I.05

SCALE
as marked

DATE
05.02.2008

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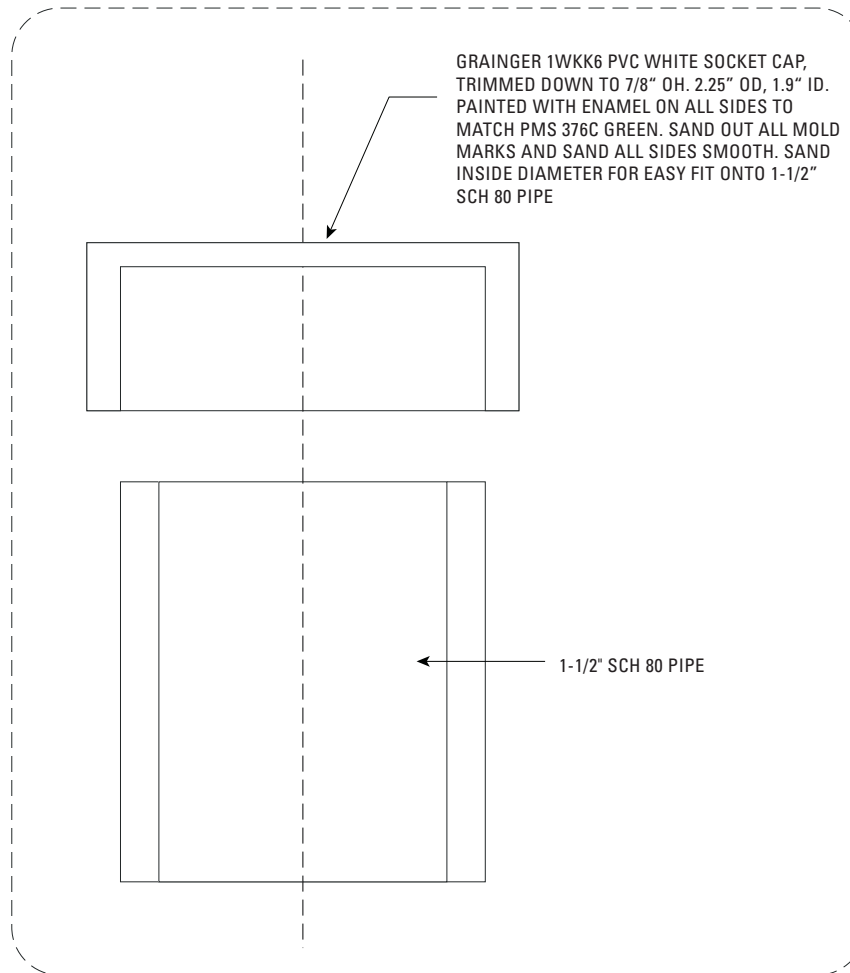


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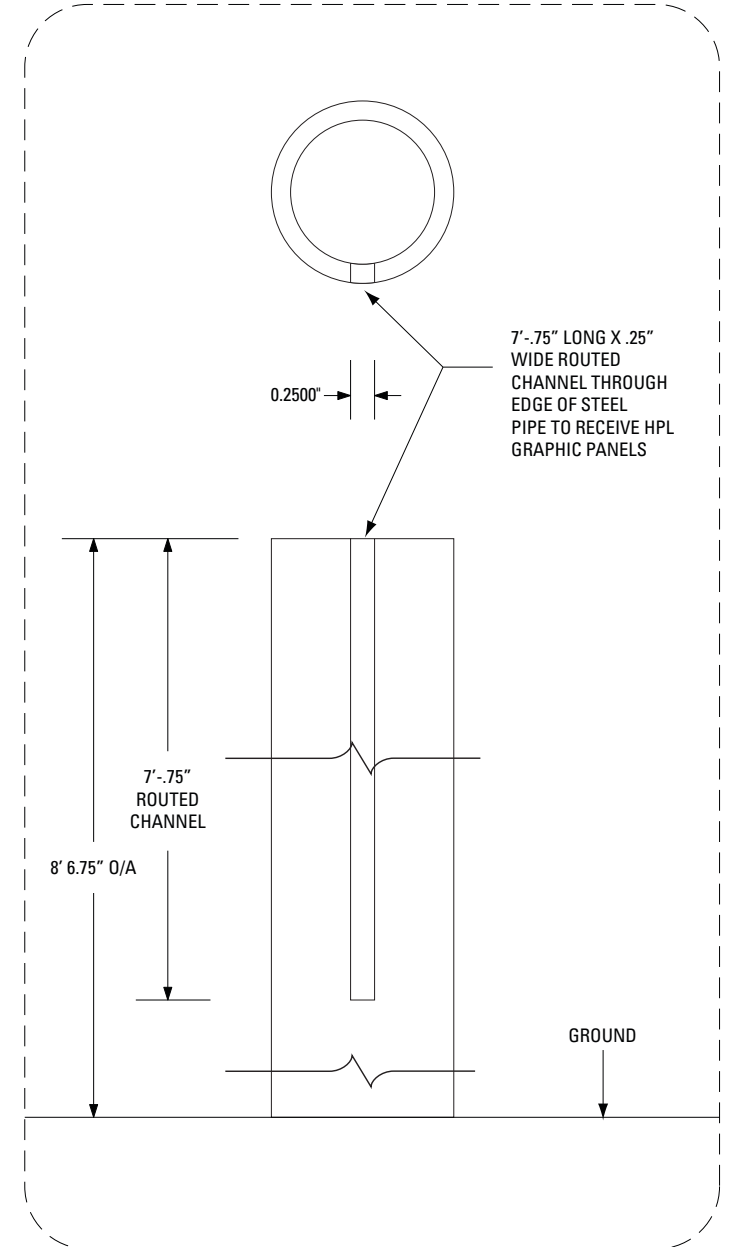
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EXPLODED DETAIL VIEW OF SECTION CC



SCH 80 STEEL PIPE DETAIL 1:2 SCALE



BRONX RIVER GREENWAY Signage Standards

SECTION
C. Fabrication Drawings
C.I. Identification Signs

TITLE
Feature ID / ID-F
Overview

DRAWING #
C.I.06

SCALE
1-1/2" = 1' - 0"

DATE
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Signage Standards

SECTION
C. Fabrication Drawings
C.I. Identification Signs

TITLE
Feature ID / ID-F
Graphic Panel

DRAWING #
C.I.07

SCALE
1:2

DATE
05.02.2008

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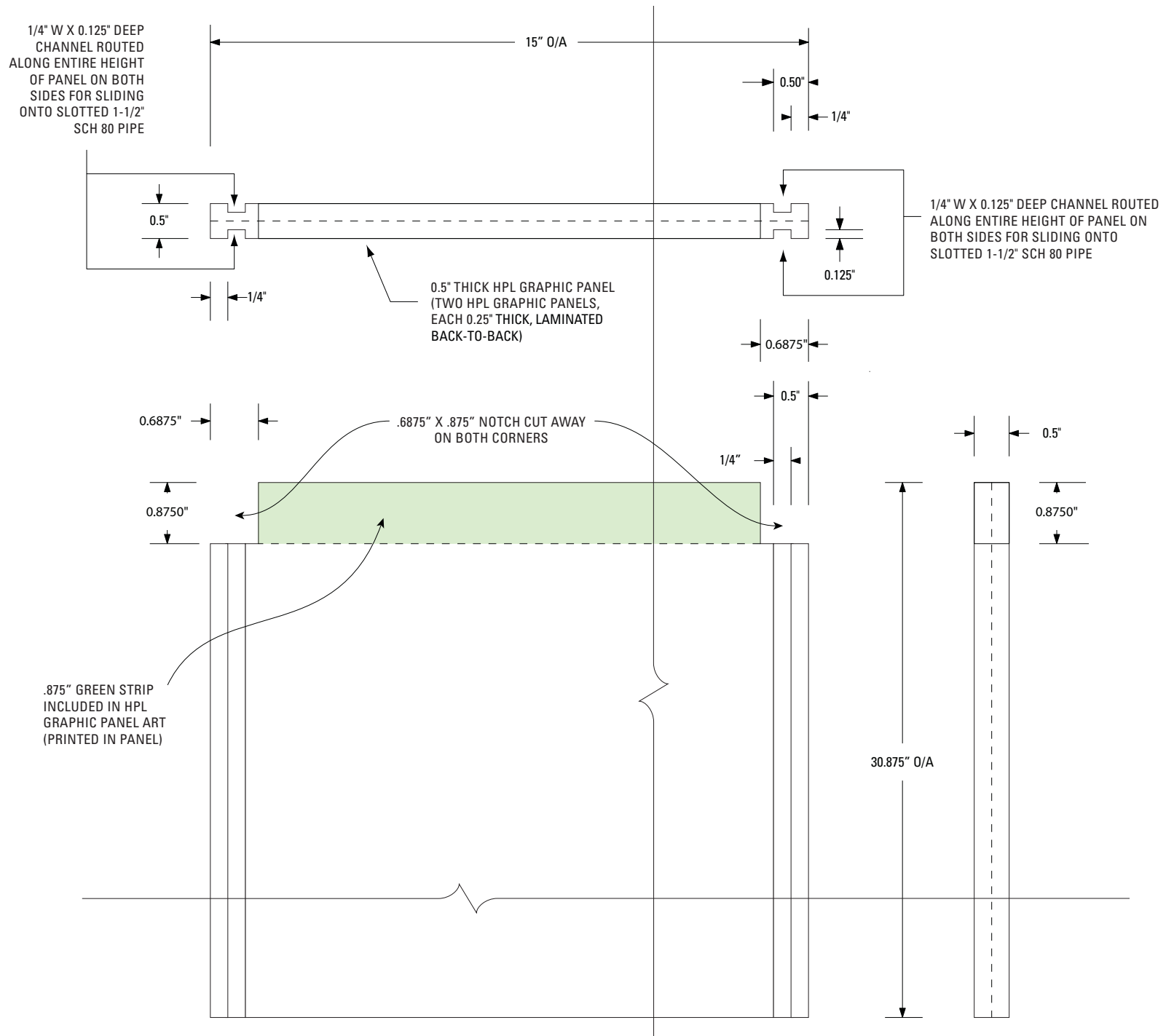
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Signage Standards

SECTION
C. Fabrication Drawings
C.I. Identification Signs

TITLE
Feature ID / ID-F
Details & Sections

DRAWING #
C.I.08

SCALE
1:2

DATE
05.02.2008

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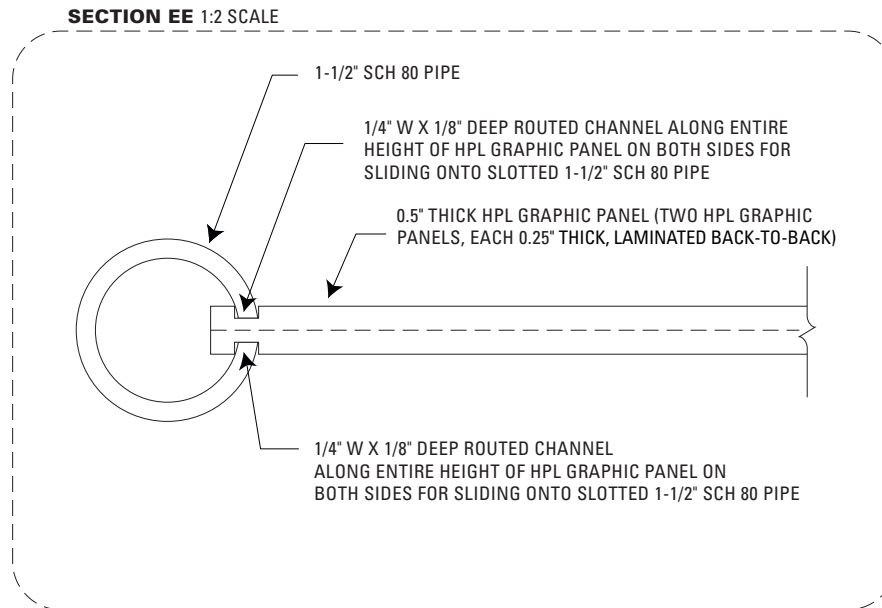
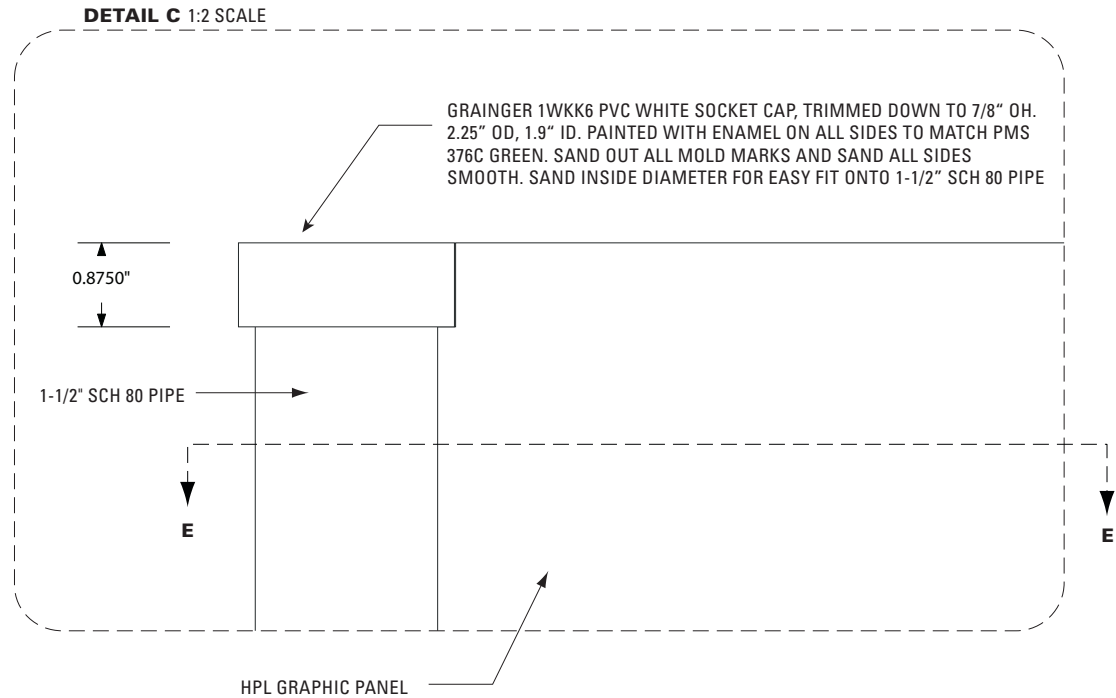
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Signage Standards

SECTION
C. Fabrication Drawings
C.I. Identification Signs

TITLE
Feature ID / ID-F
Details & Sections

DRAWING #
C.I.09

SCALE
as marked

DATE
05.02.2008

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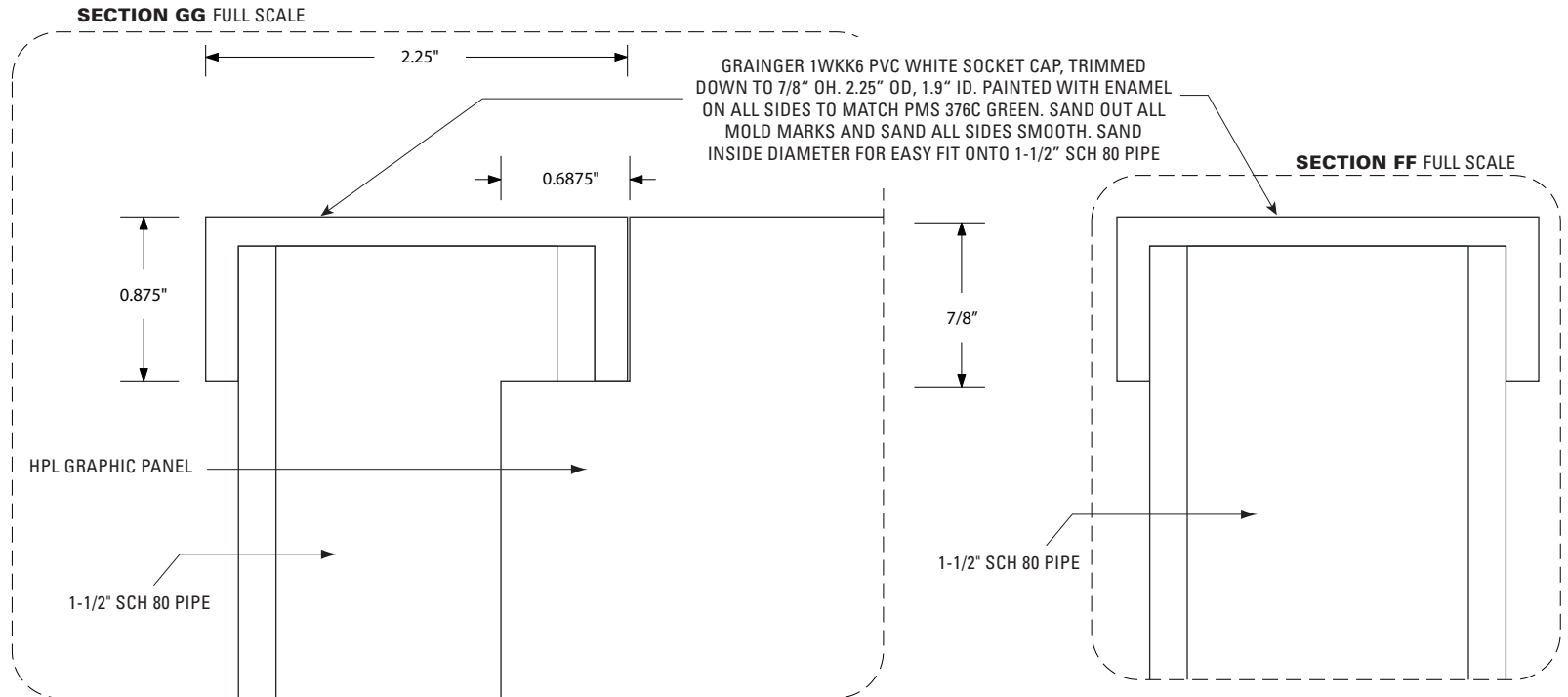
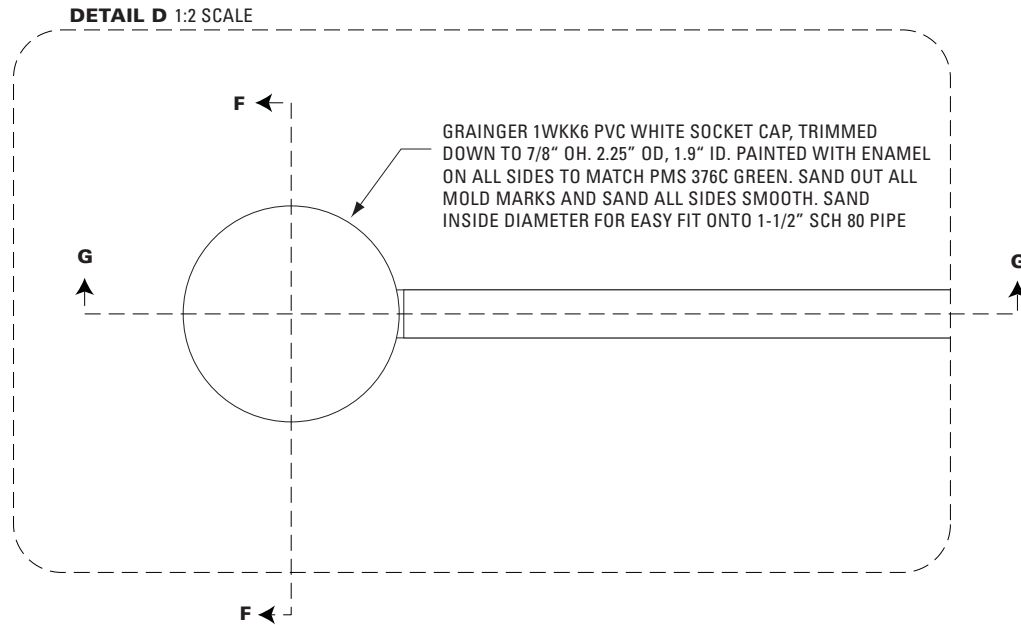
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Signage Standards

SECTION
C. Fabrication Drawings
C.I. Identification Signs

TITLE
Feature ID / ID-F
Details & Sections

DRAWING #
C.I.010

SCALE
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DATE
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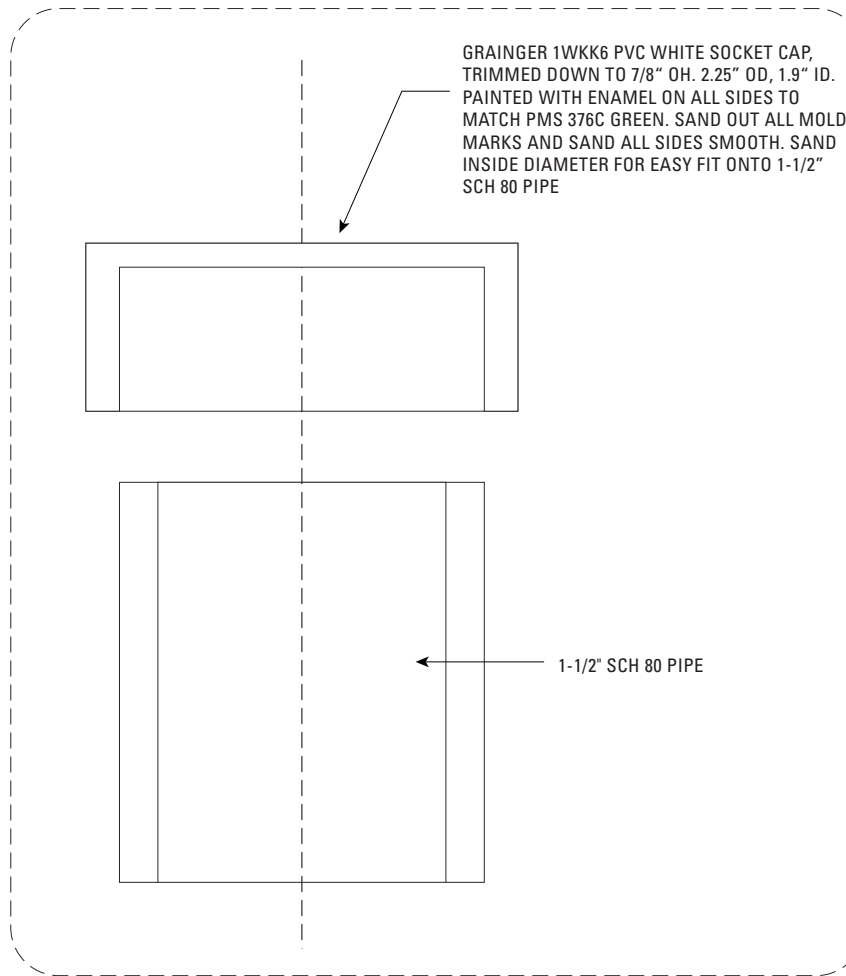


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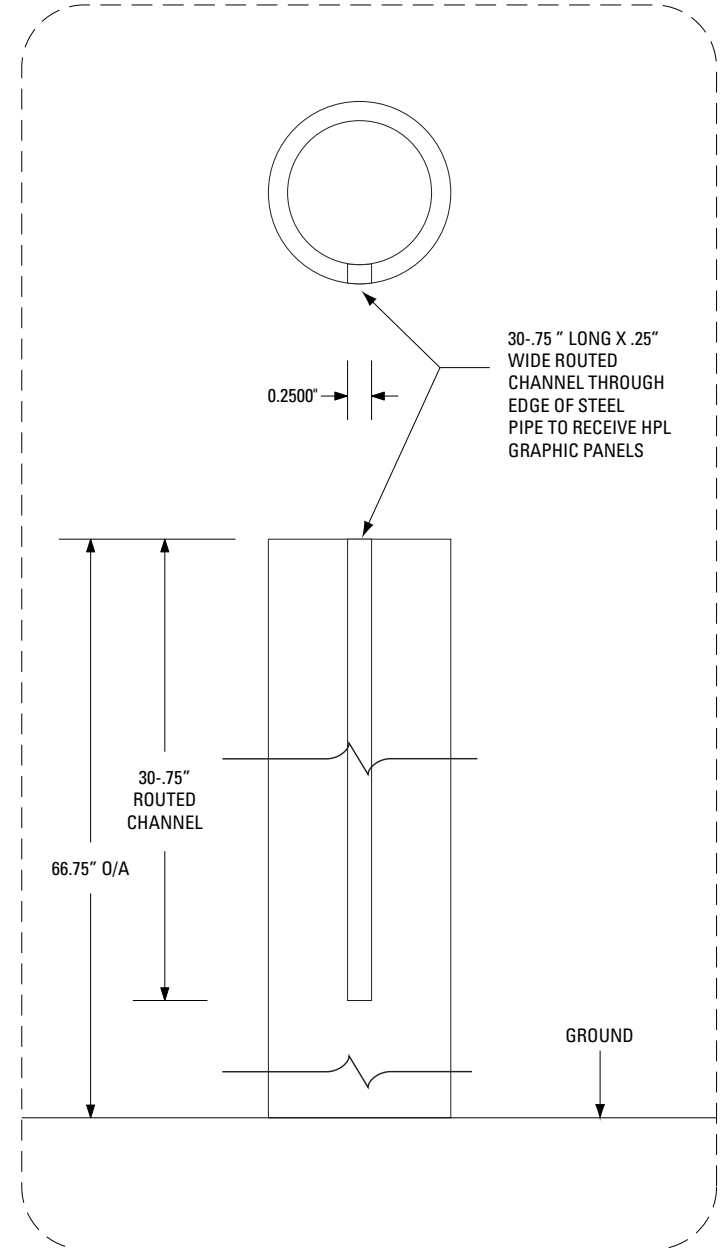
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EXPLODED DETAIL VIEW OF SECTION FF



SCH 80 STEEL PIPE DETAIL 1:2 SCALE



BRONX RIVER GREENWAY

Signage Standards

SECTION
C. Fabrication Drawings
C.2. Wayfinding Signs

TITLE
DIR-1
Overview

DRAWING #
C.2.01

SCALE
1-1/2" = 1' - 0"

DATE
05.02.2008

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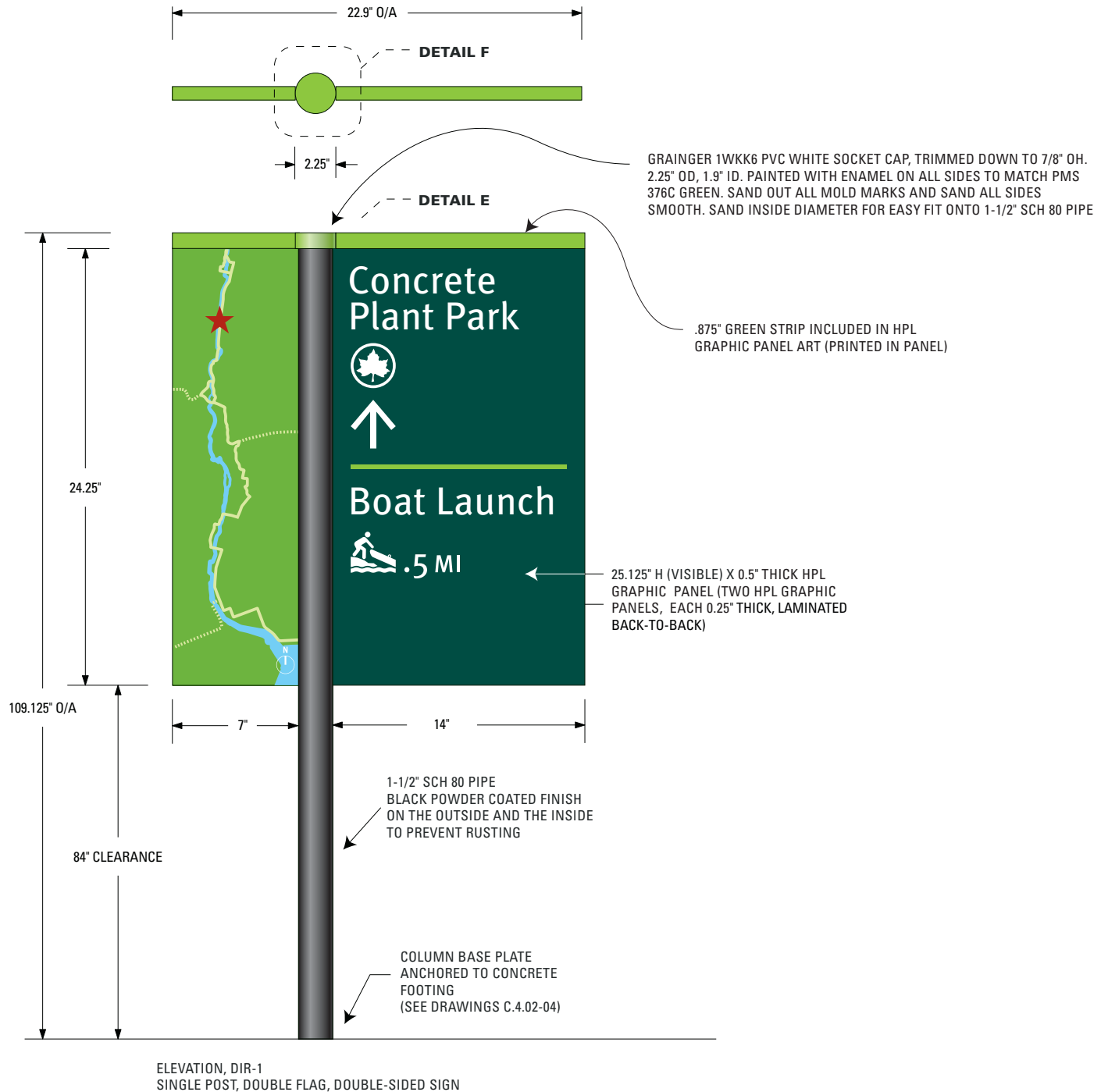
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Signage Standards

SECTION
C. Fabrication Drawings
C.2. Wayfinding Signs

TITLE
DIR-1
Map & Graphic Panels

DRAWING #
C.2.02

SCALE
1:2

DATE
05.02.2008

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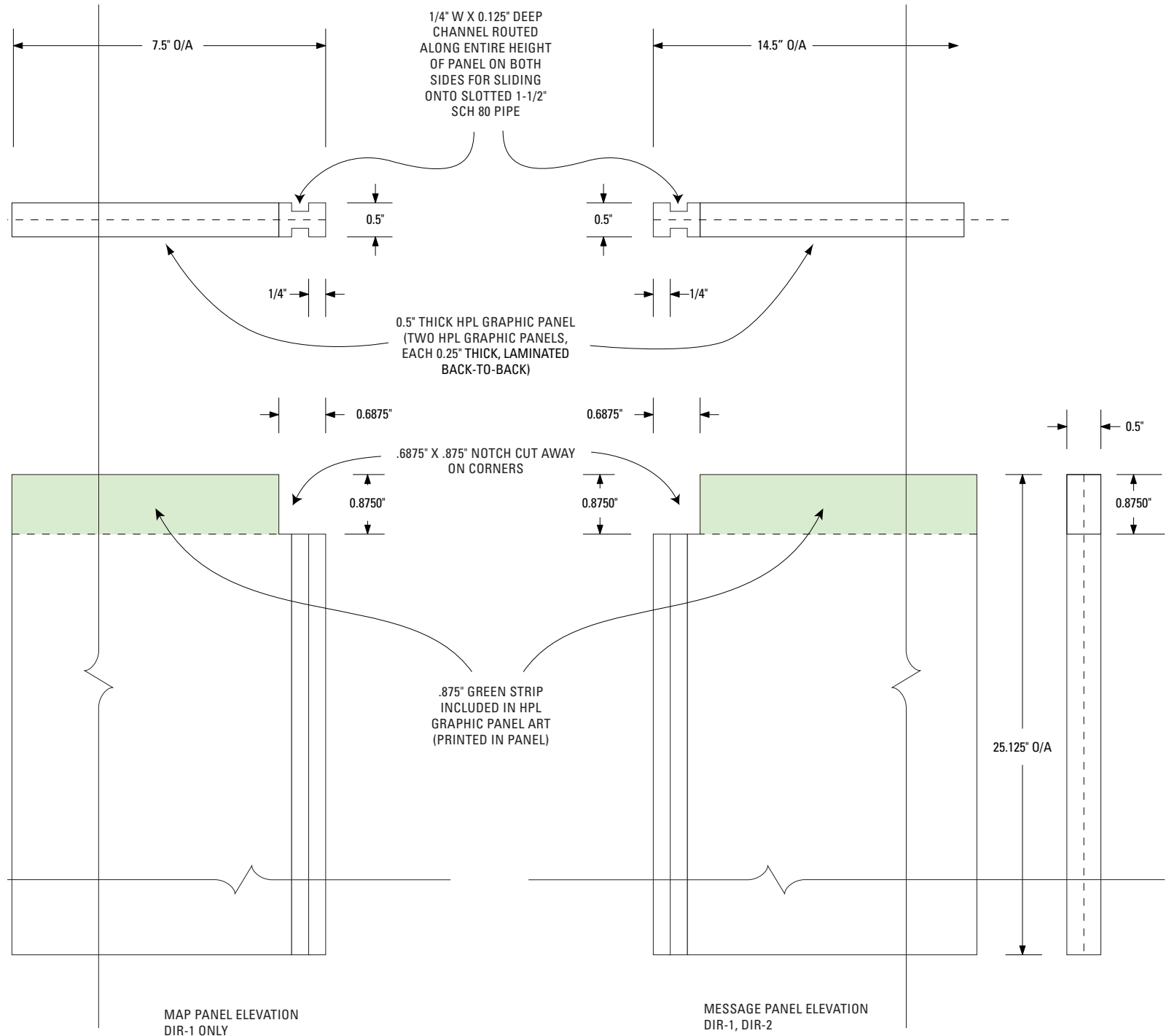
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Signage Standards

SECTION
C. Fabrication Drawings
C.2. Wayfinding Signs

TITLE
DIR-1
Details & Sections

DRAWING #
C.2.03

SCALE
1:2

DATE
05.02.2008

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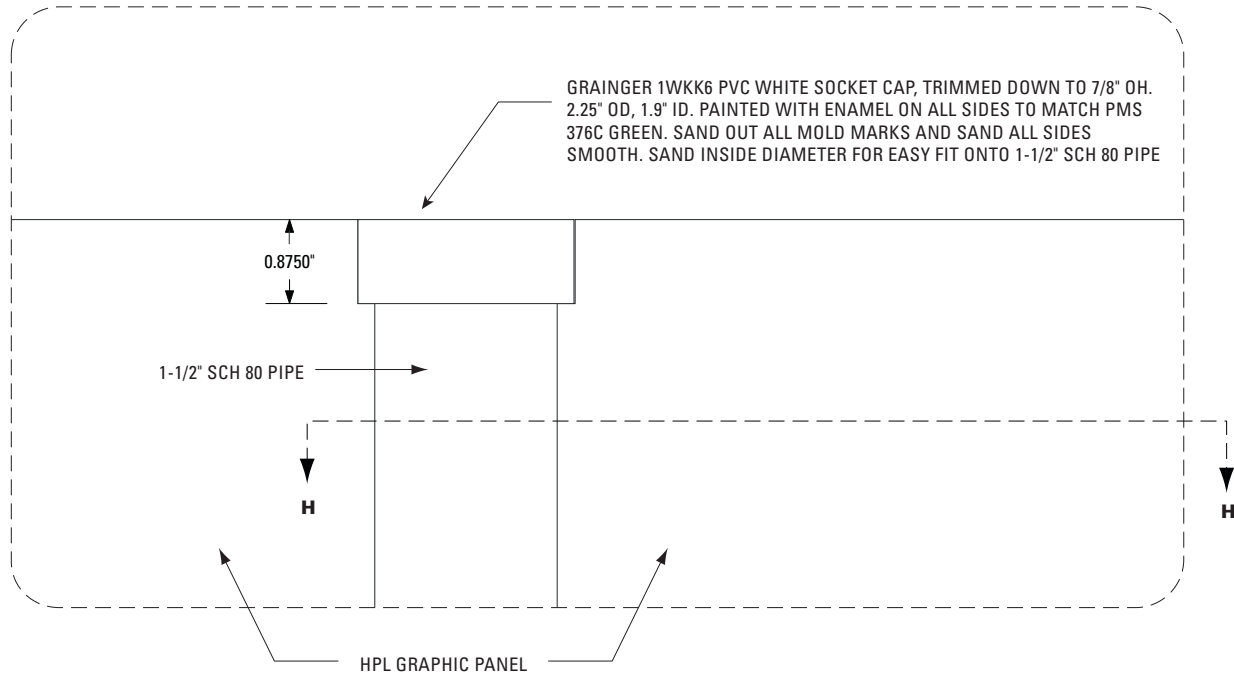
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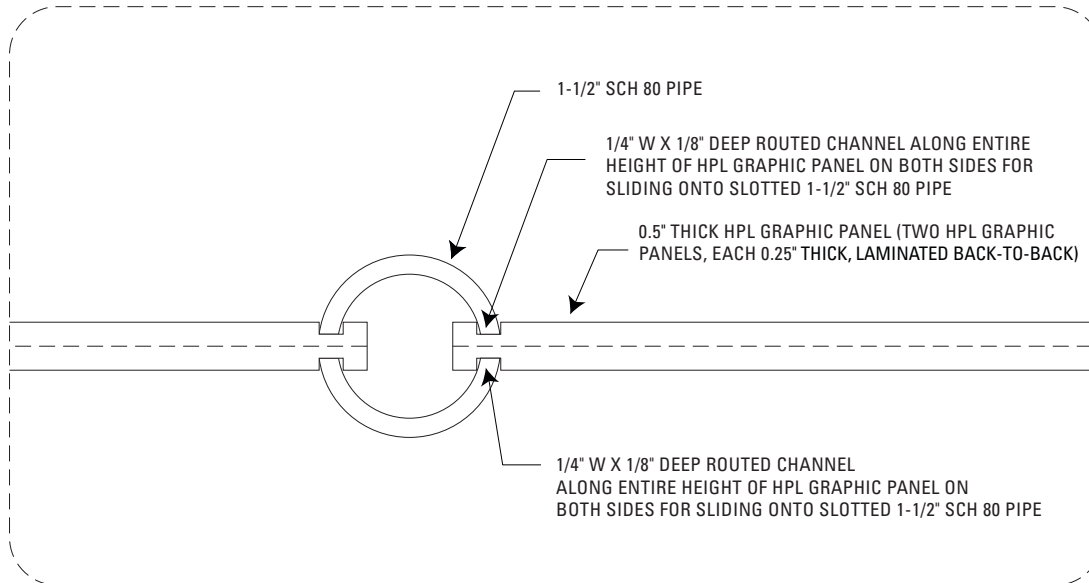
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DETAIL E 1:2 SCALE



SECTION HH 1:2 SCALE



BRONX RIVER GREENWAY

Signage Standards

SECTION
C. Fabrication Drawings
C.2. Wayfinding Signs

TITLE
DIR-I
Details & Sections

DRAWING #
C.2.04

SCALE
as marked

DATE
05.02.2008

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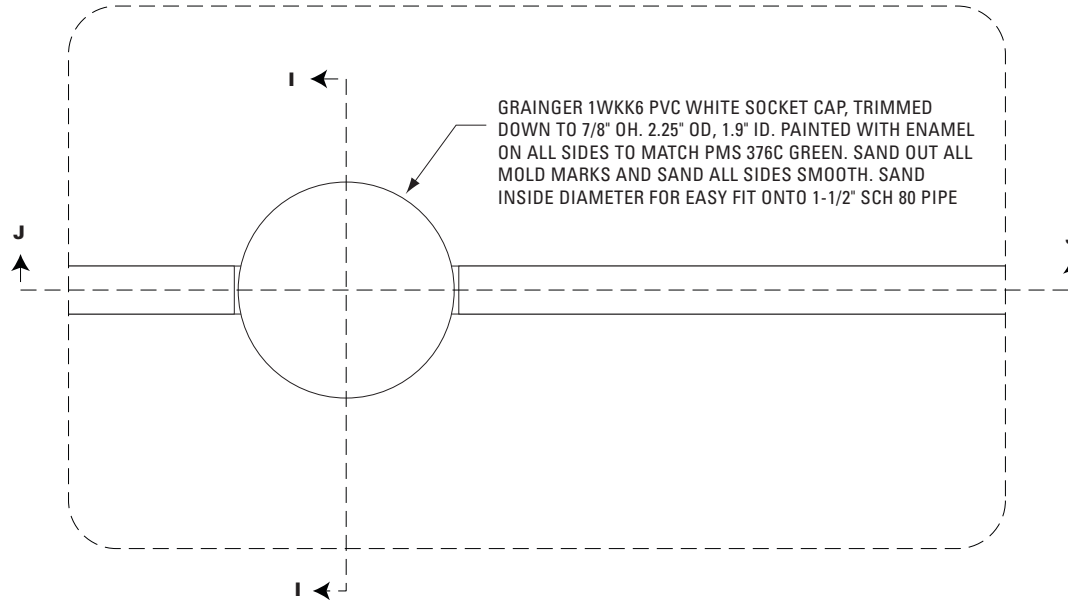


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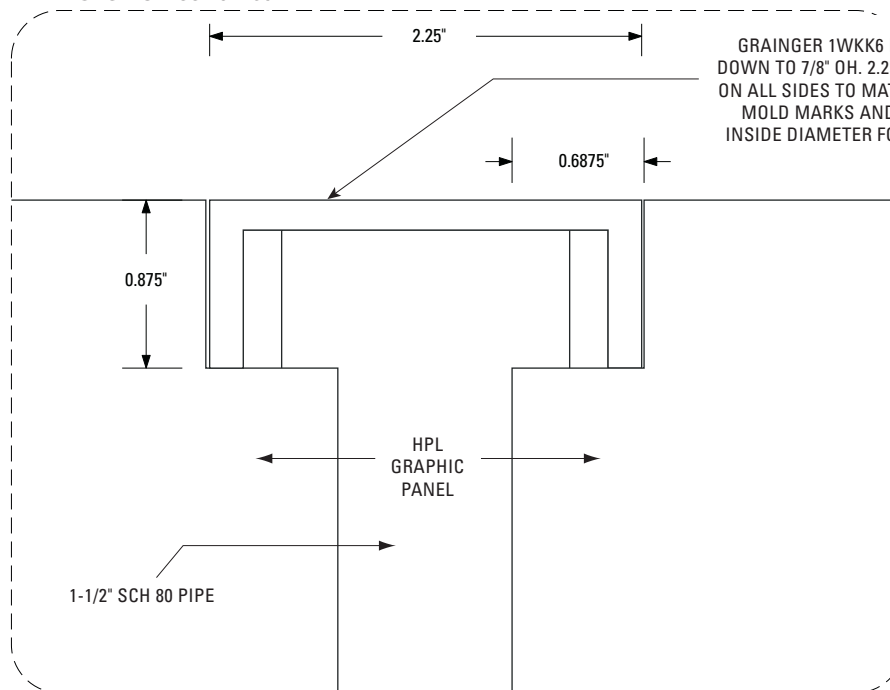
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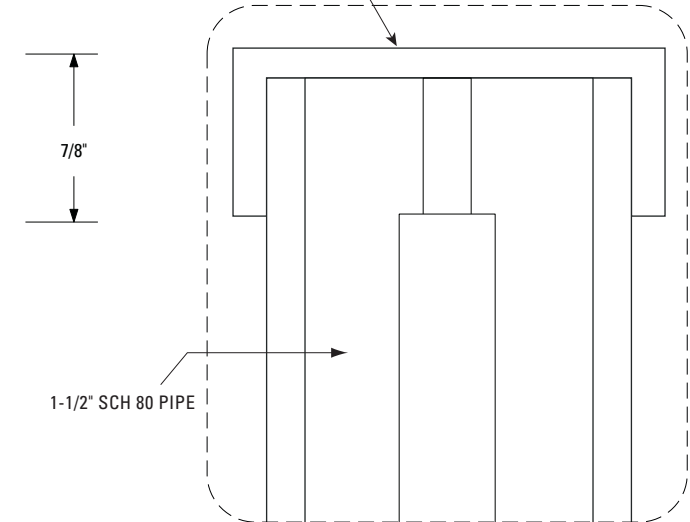
DETAIL F 1:2 SCALE



SECTION JJ FULL SCALE



SECTION II FULL SCALE



BRONX RIVER GREENWAY

Signage Standards

SECTION
C. Fabrication Drawings
C.2. Wayfinding Signs

TITLE
DIR-1
Details & Sections

DRAWING #
C.2.05

SCALE
as marked

DATE
05.02.2008

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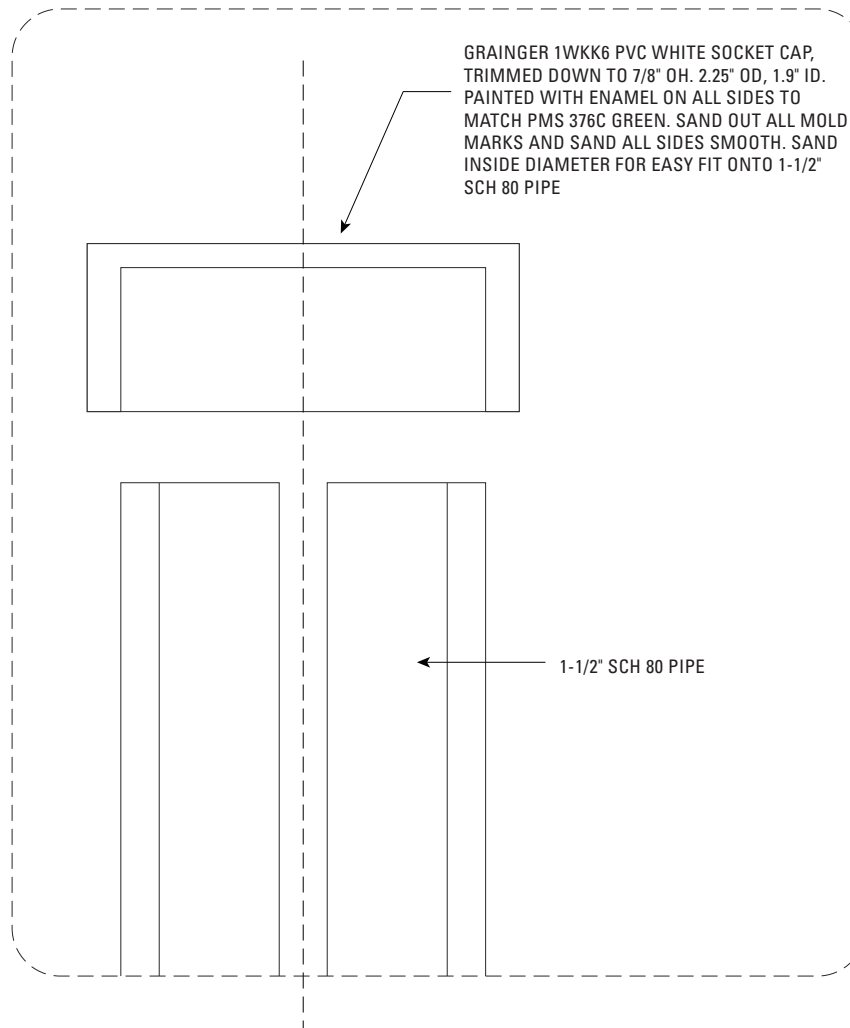


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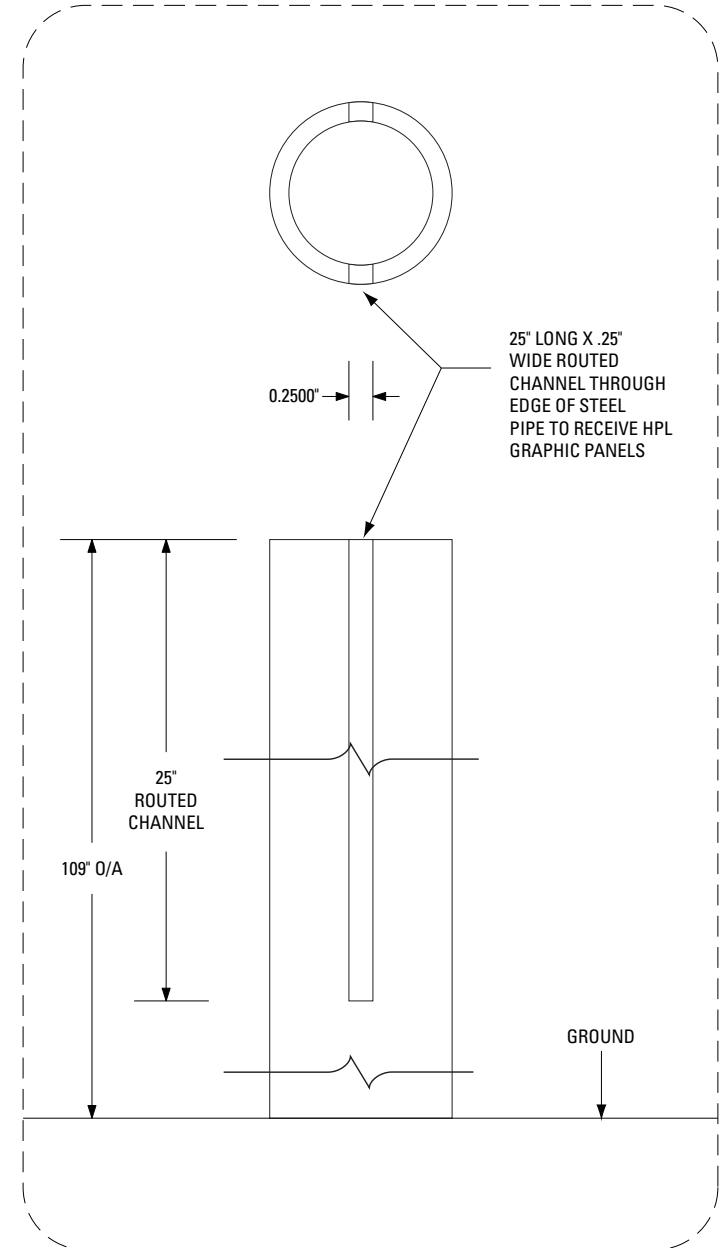
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EXPLODED DETAIL VIEW OF SECTION II



SCH 80 STEEL PIPE DETAIL 1:2 SCALE



BRONX RIVER GREENWAY

Signage Standards

SECTION
C. Fabrication Drawings
C.2. Wayfinding Signs

TITLE
DIR-2
Overview

DRAWING #
C.2.06

SCALE
1-1/2" = 1' - 0"

DATE
05.02.2008

DRAWN BY
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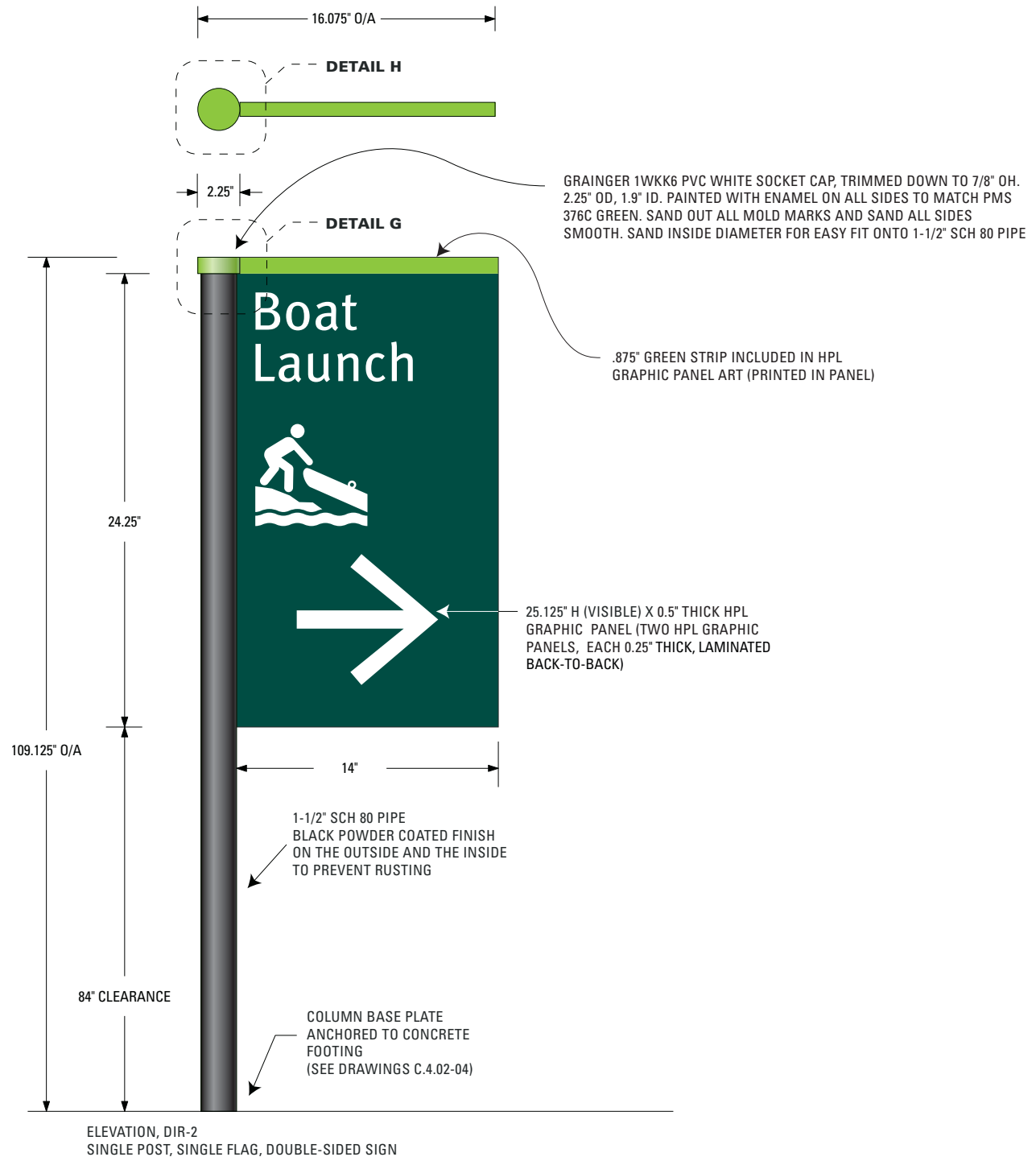
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BRONX RIVER GREENWAY Signage Standards

SECTION
C. Fabrication Drawings
C.2. Wayfinding Signs

TITLE
DIR-2
Graphic Panel

DRAWING #
C.2.07

SCALE
1:2

DATE
05.02.2008

DRAWN BY
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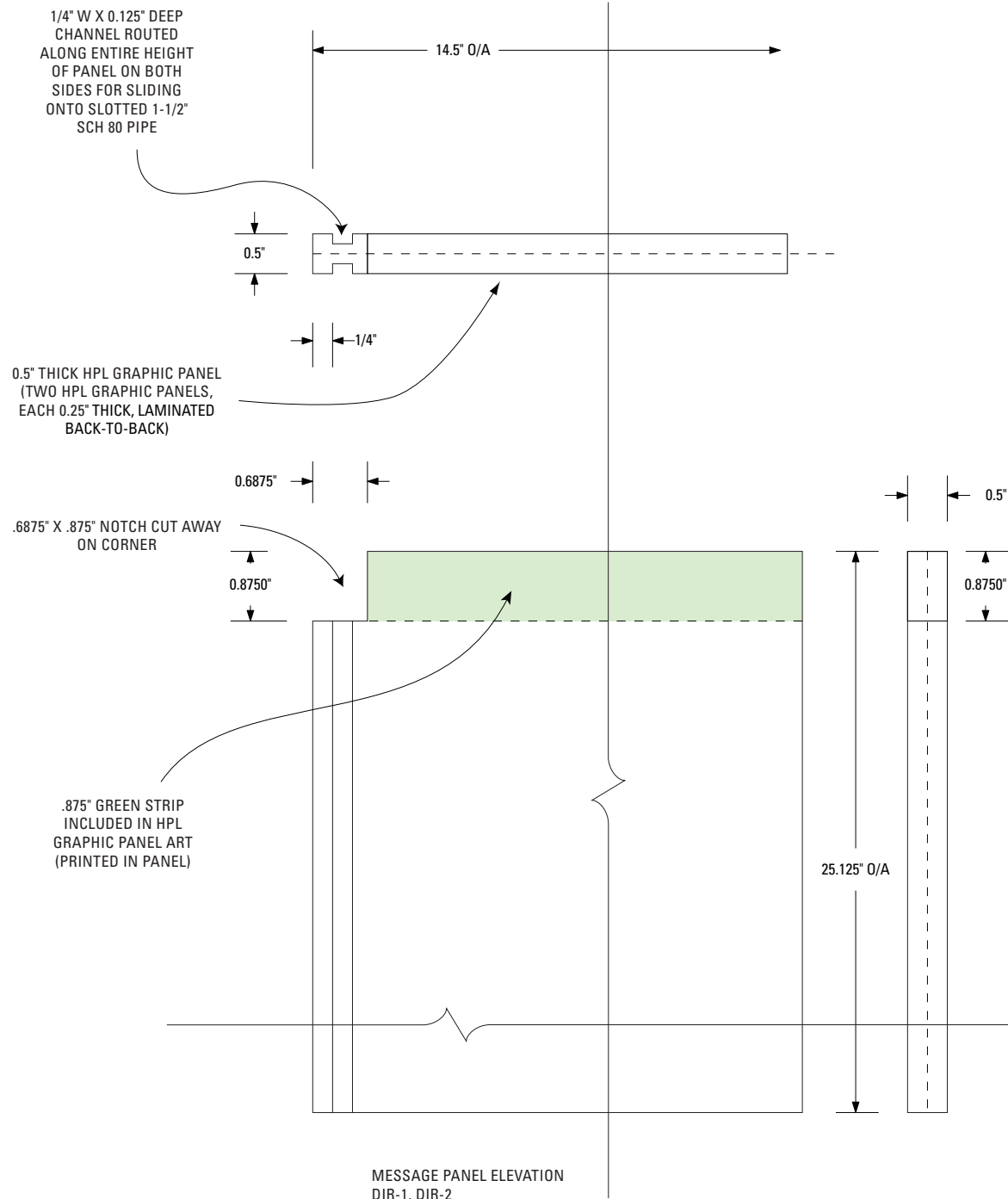
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Signage Standards

SECTION
C. Fabrication Drawings
C.2. Wayfinding Signs

TITLE
DIR-2
Details & Sections

DRAWING #
C.2.08

SCALE
1:2

DATE
05.02.2008

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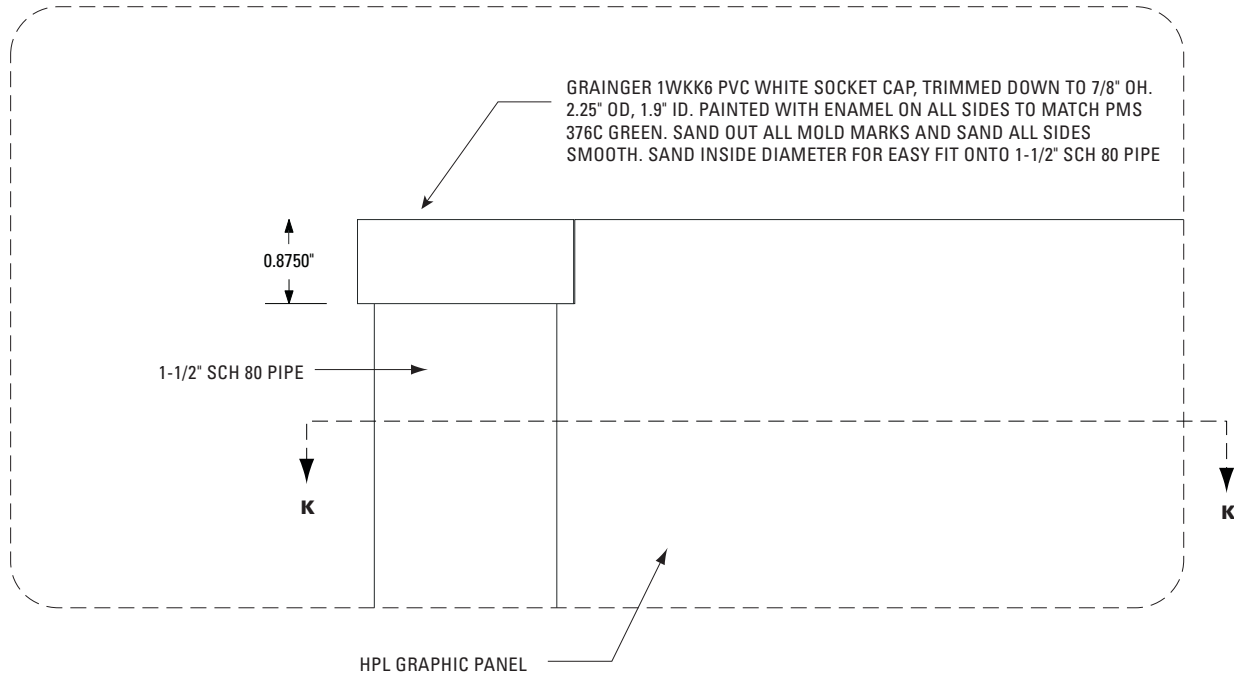
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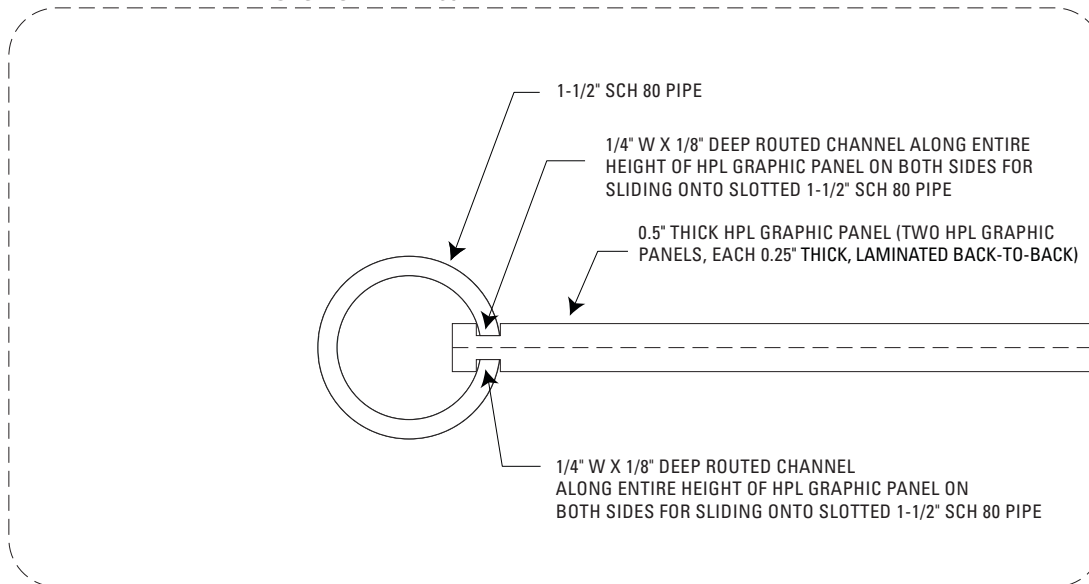
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DETAIL G 1:2 SCALE



SECTION KK 1:2 SCALE



BRONX RIVER GREENWAY

Signage Standards

SECTION
C. Fabrication Drawings
C.2. Wayfinding Signs

TITLE
DIR-2
Details & Sections

DRAWING #
C.2.09

SCALE
as marked

DATE
05.02.2008

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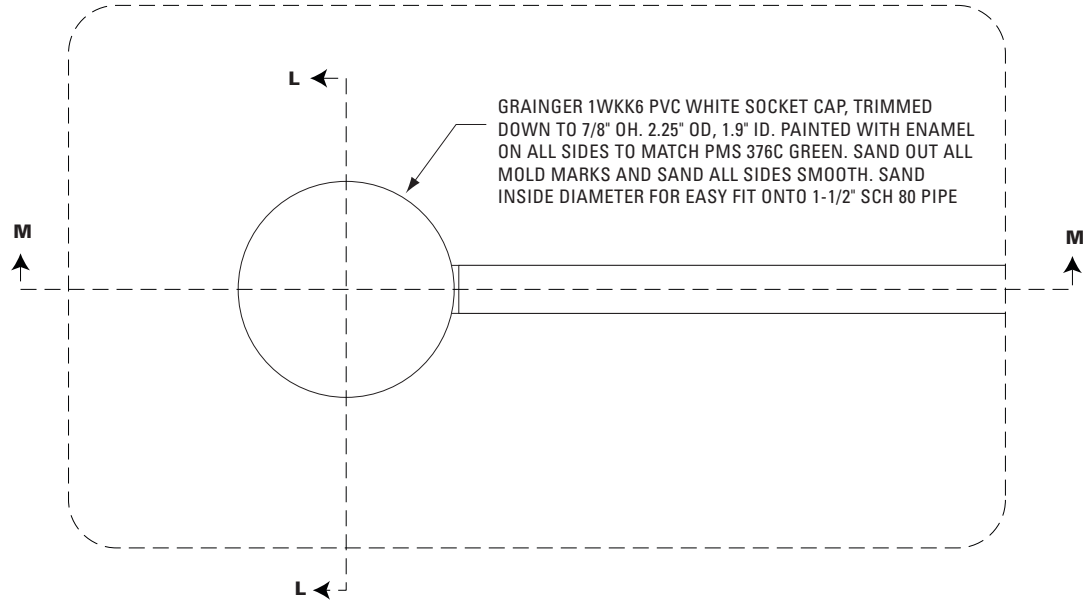


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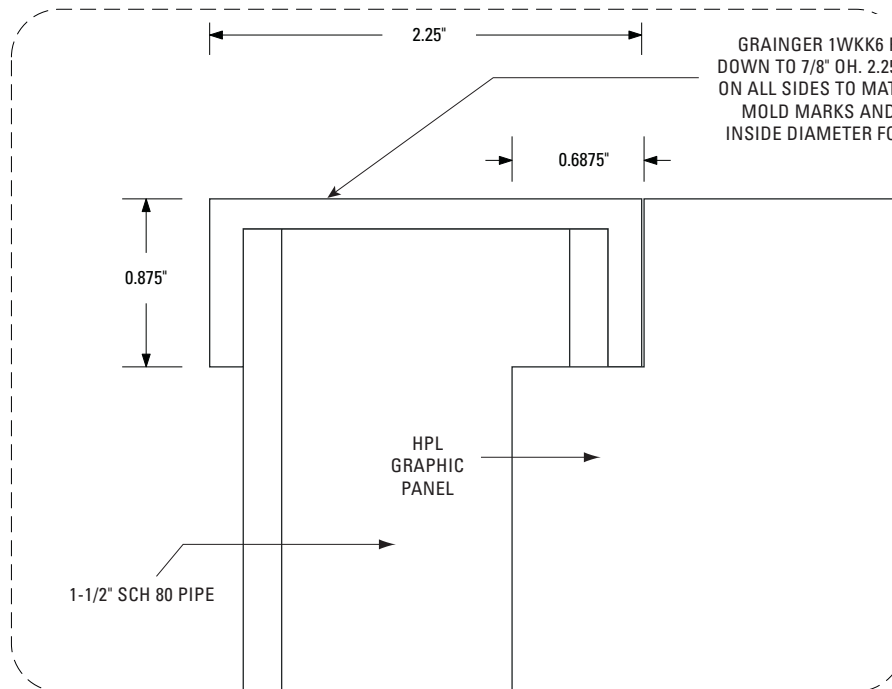
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DETAIL H 1:2 SCALE

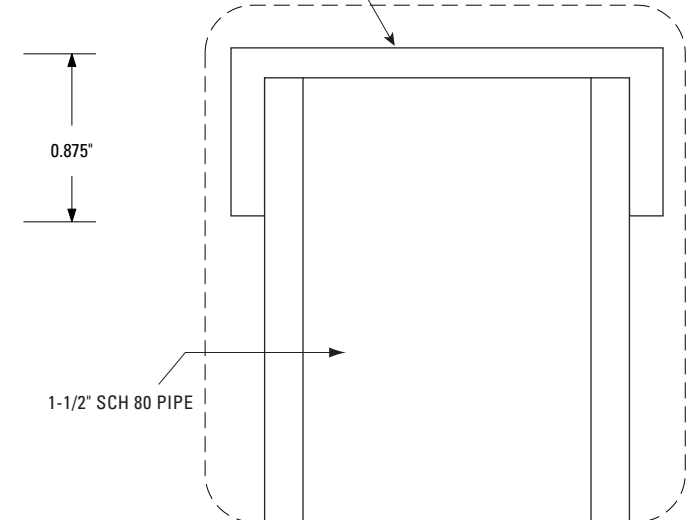


SECTION MM FULL SCALE



GRAINGER 1WKK6 PVC WHITE SOCKET CAP, TRIMMED DOWN TO 7/8" OH. 2.25" OD, 1.9" ID. PAINTED WITH ENAMEL ON ALL SIDES TO MATCH PMS 376C GREEN. SAND OUT ALL MOLD MARKS AND SAND ALL SIDES SMOOTH. SAND INSIDE DIAMETER FOR EASY FIT ONTO 1-1/2" SCH 80 PIPE

SECTION LL FULL SCALE



BRONX RIVER GREENWAY

Signage Standards

SECTION
C. Fabrication Drawings
C.2. Wayfinding Signs

TITLE
DIR-2
Details & Sections

DRAWING #
C.2.010

SCALE
as marked

DATE
05.02.2008

DRAWN BY
MB

REVISIONS
MH 06.02.2009
MB 04.07.2011

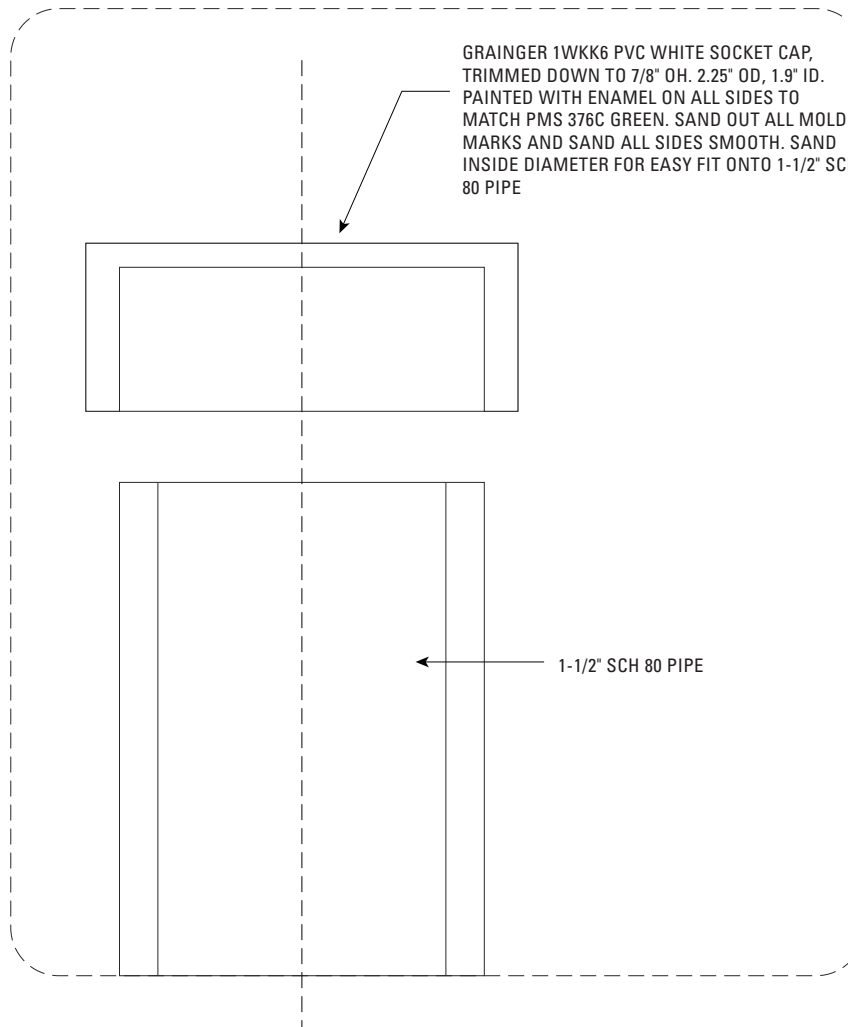


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Bronx River Alliance
718.430.4665

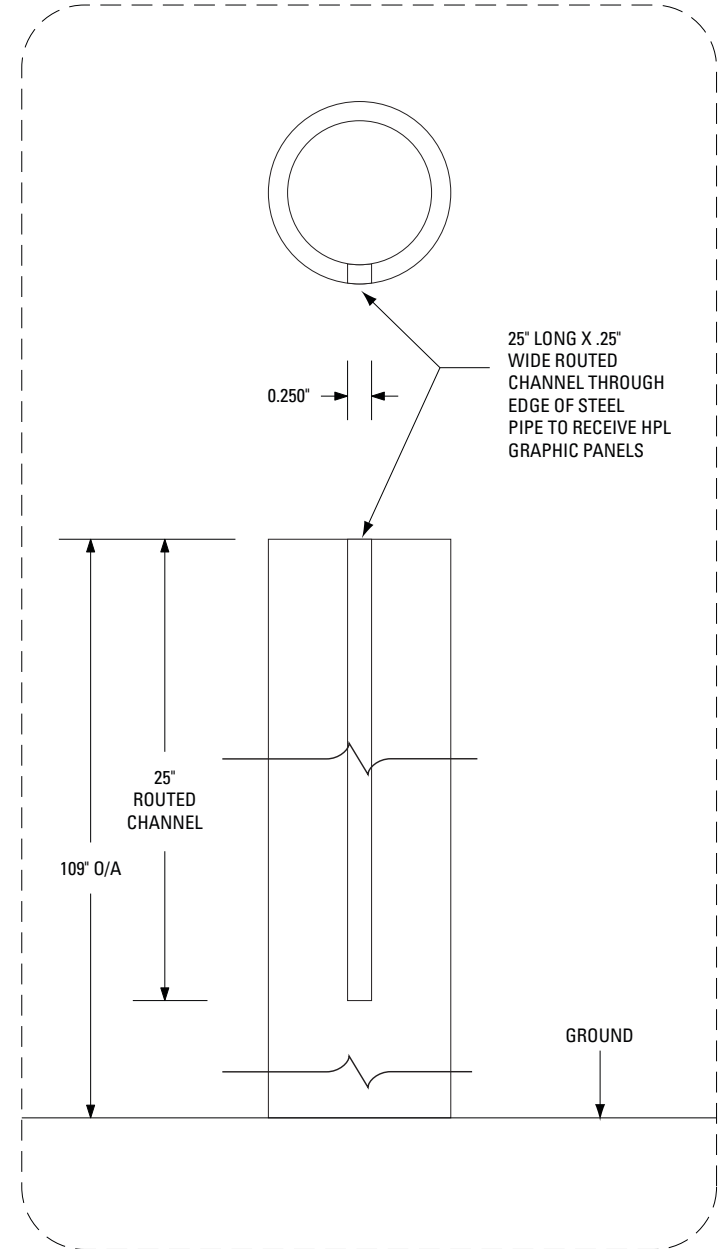
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EXPLODED DETAIL VIEW OF SECTION LL



SCH 80 STEEL PIPE DETAIL 1:2 SCALE



BRONX RIVER GREENWAY

Signage Standards

SECTION
C. Fabrication Drawings
C.3. Orientation Signs

TITLE
Primary Orientation / O-P
Overview

DRAWING #
C.3.01

SCALE
1-1/2" = 1' - 0"

DATE
05.02.2008

DRAWN BY
MB

REVISIONS
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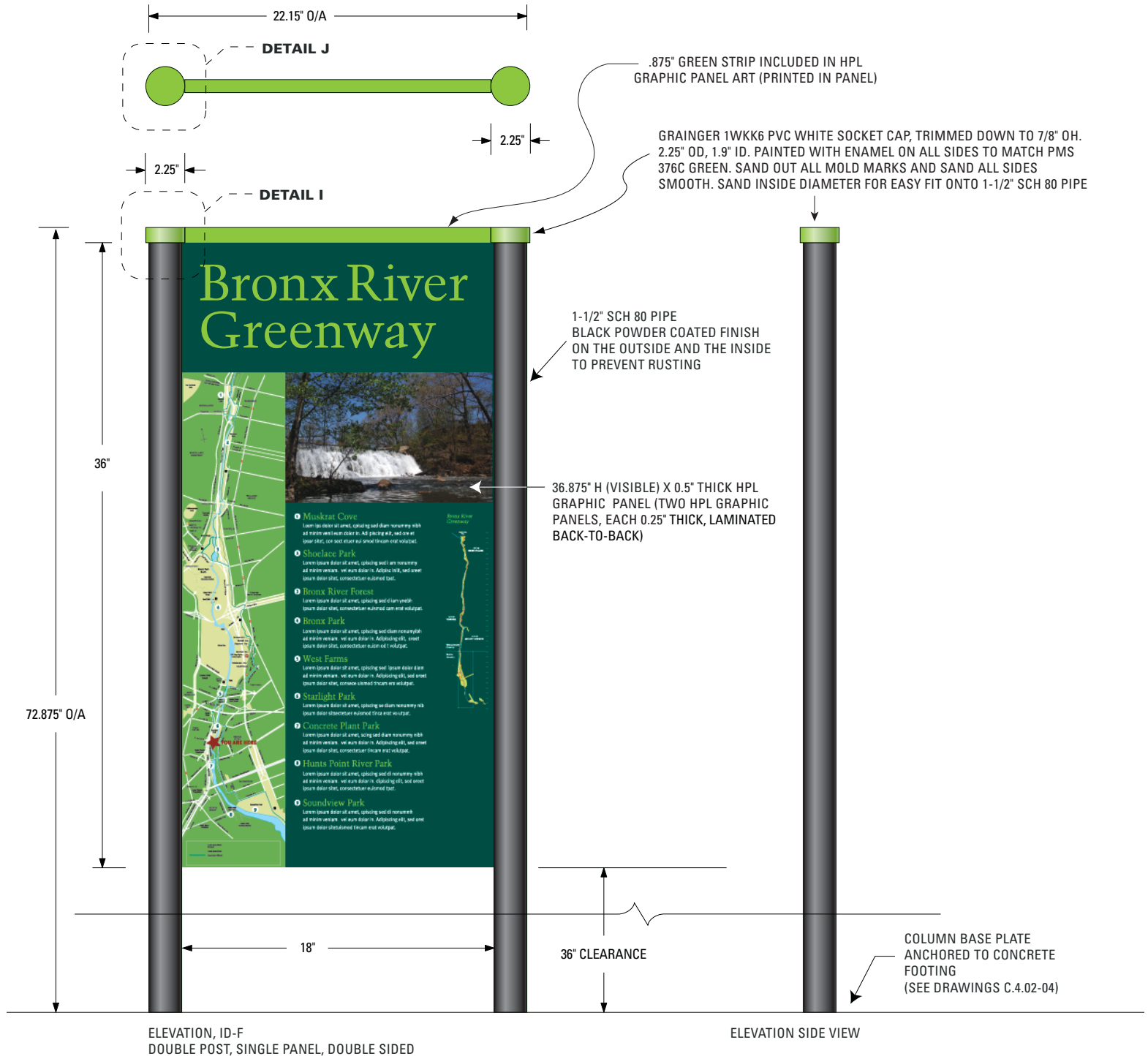
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Signage Standards

SECTION
C. Fabrication Drawings
C.3. Orientation Signs

TITLE
Primary Orientation / O-P
Graphic Panel

DRAWING #
C.3.02

SCALE
1:2

DATE
05.02.2008

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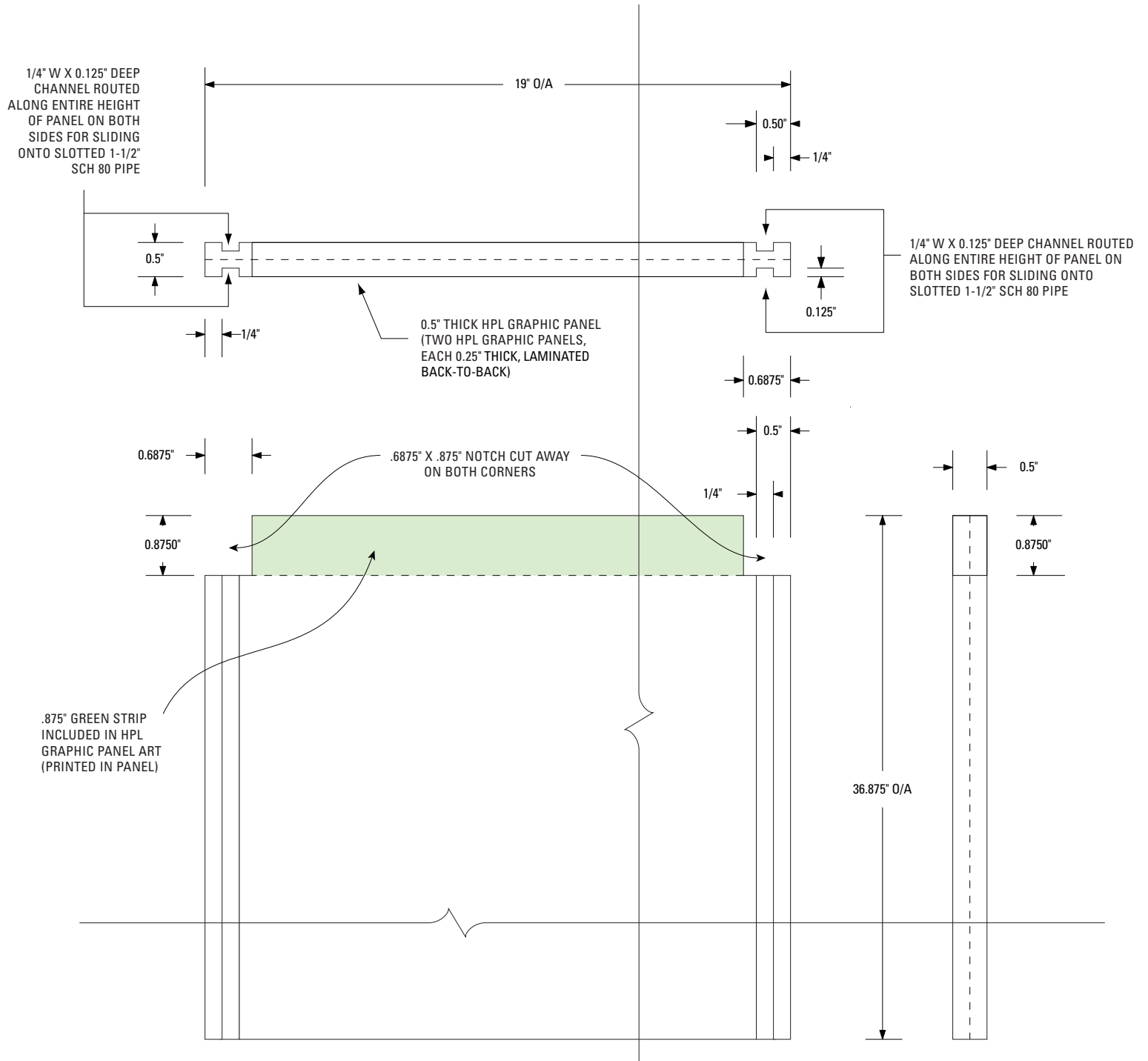
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Signage Standards

SECTION
C. Fabrication Drawings
C.3. Orientation Signs

TITLE
Primary Orientation / O-P
Details & Sections

DRAWING #
C.3.03

SCALE
1:2

DATE
05.02.2008

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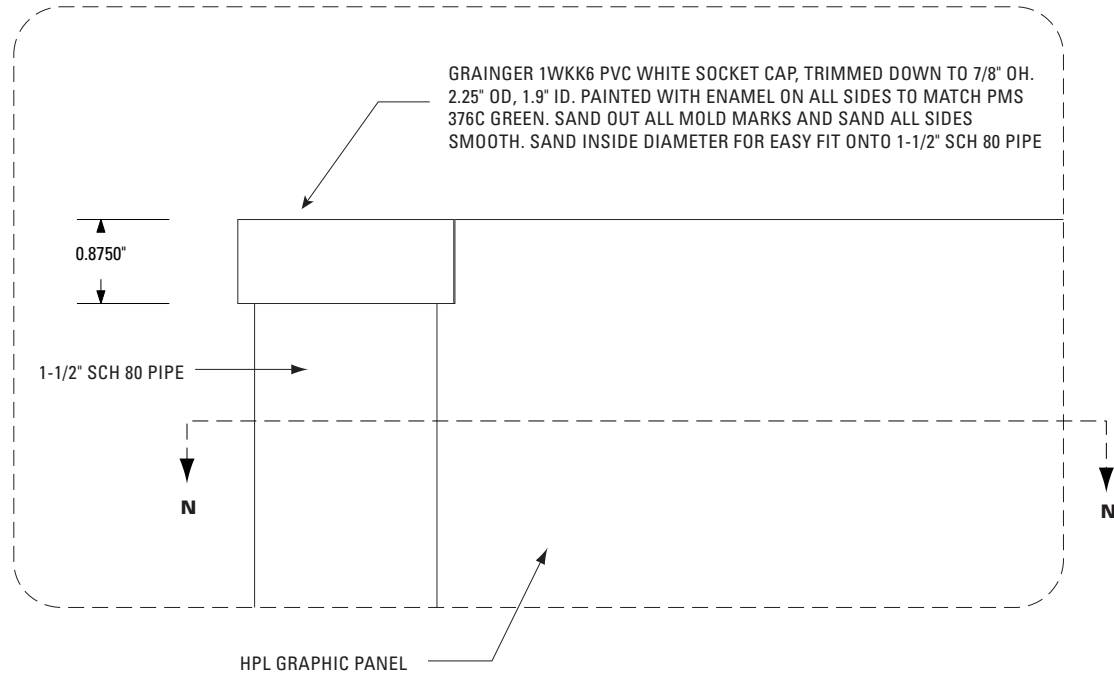


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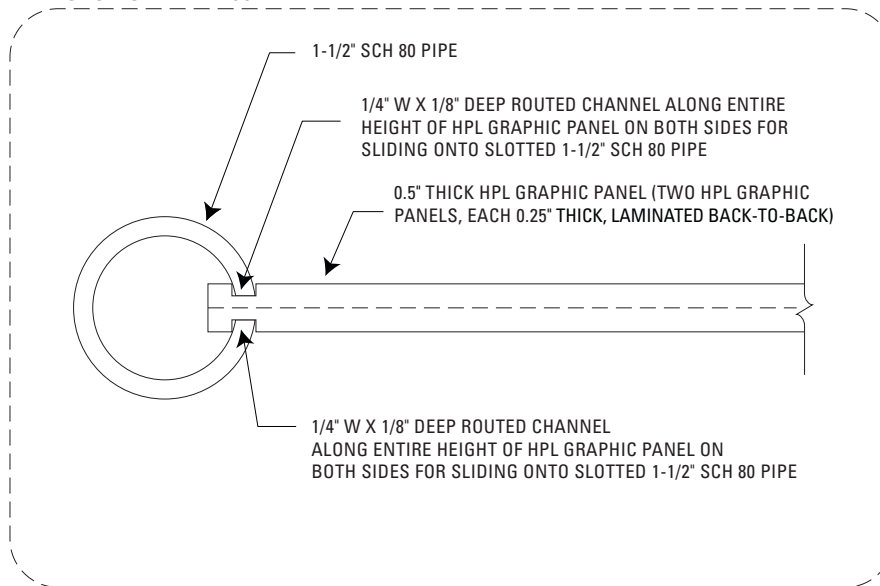
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DETAIL I 1:2 SCALE



SECTION NN 1:2 SCALE



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Signage Standards

SECTION
C. Fabrication Drawings
C.3. Orientation Signs

TITLE
Primary Orientation / O-P
Details & Sections

DRAWING #
C.3.04

SCALE
as marked

DATE
05.02.2008

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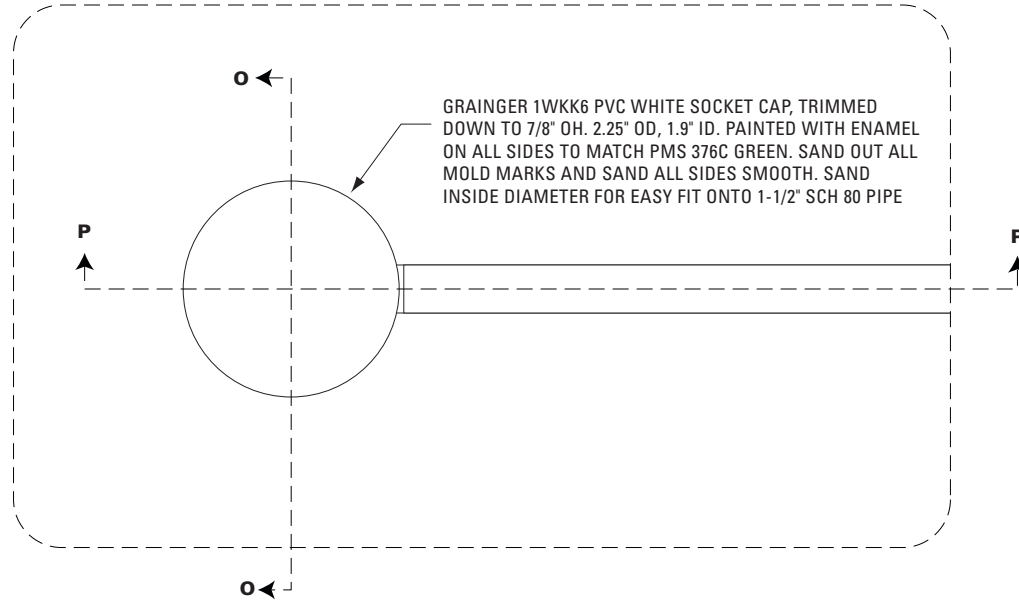


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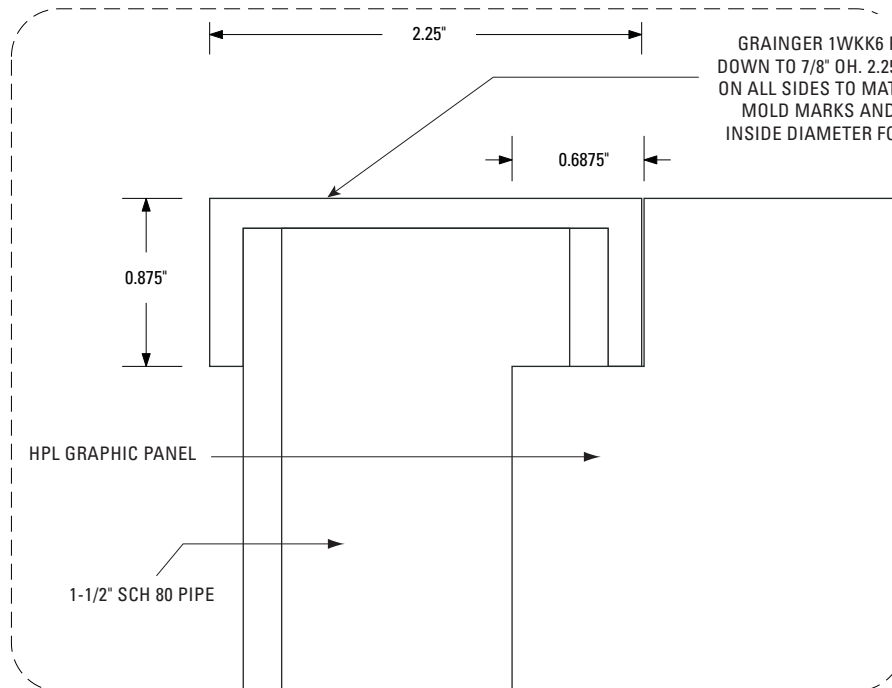
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DETAIL J 1:2 SCALE

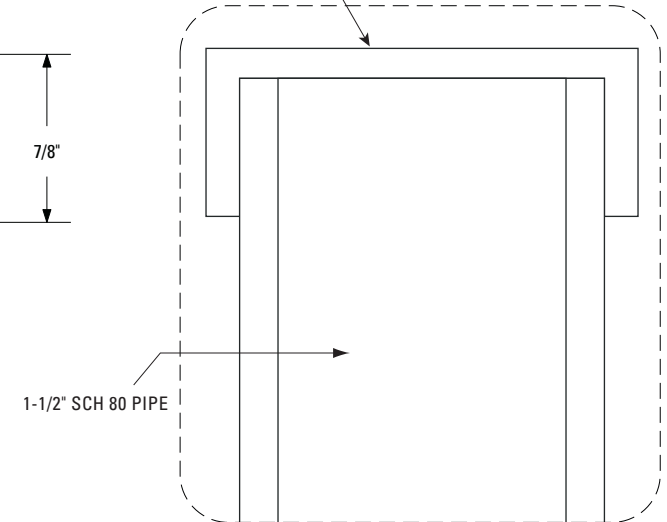


SECTION PP FULL SCALE



GRAINGER 1WKK6 PVC WHITE SOCKET CAP, TRIMMED DOWN TO 7/8" OH. 2.25" OD, 1.9" ID. PAINTED WITH ENAMEL ON ALL SIDES TO MATCH PMS 376C GREEN. SAND OUT ALL MOLD MARKS AND SAND ALL SIDES SMOOTH. SAND INSIDE DIAMETER FOR EASY FIT ONTO 1-1/2" SCH 80 PIPE

SECTION OO FULL SCALE



BRONX RIVER GREENWAY

Signage Standards

SECTION
C. Fabrication Drawings
C.3. Orientation Signs

TITLE
Primary Orientation / O-P
Details & Sections

DRAWING #
C.3.05

SCALE
as marked

DATE
05.02.2008

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MB

REVISIONS
MH 06.02.2009
MB 04.07.2011

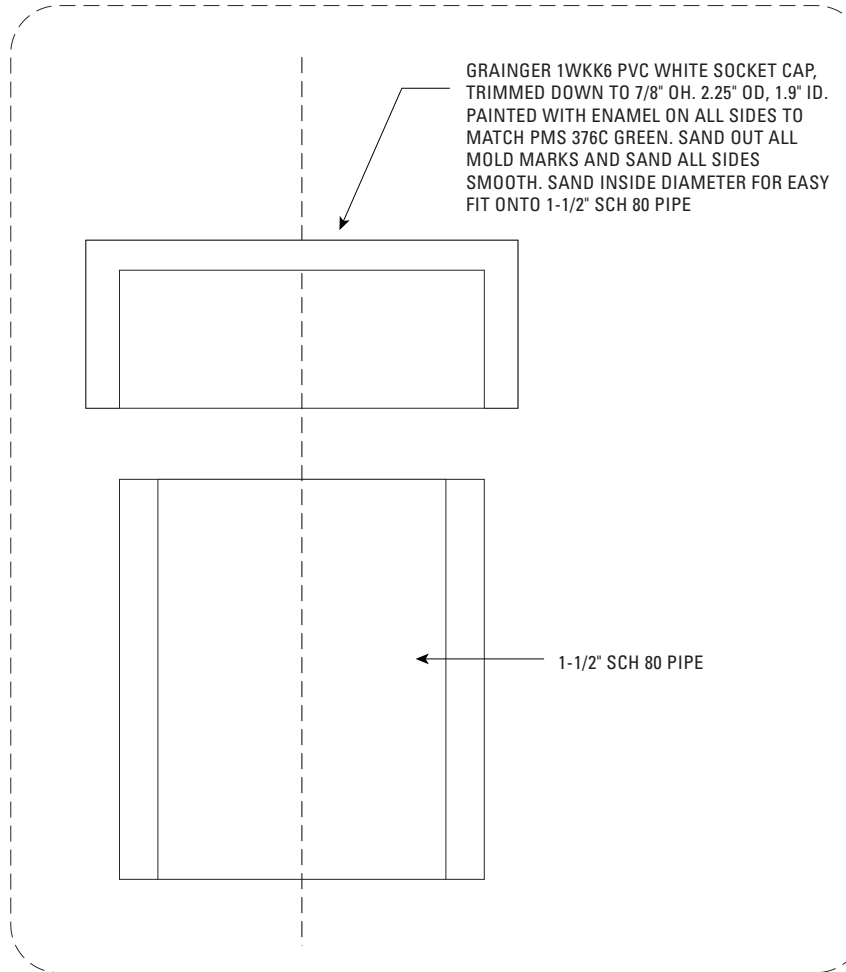


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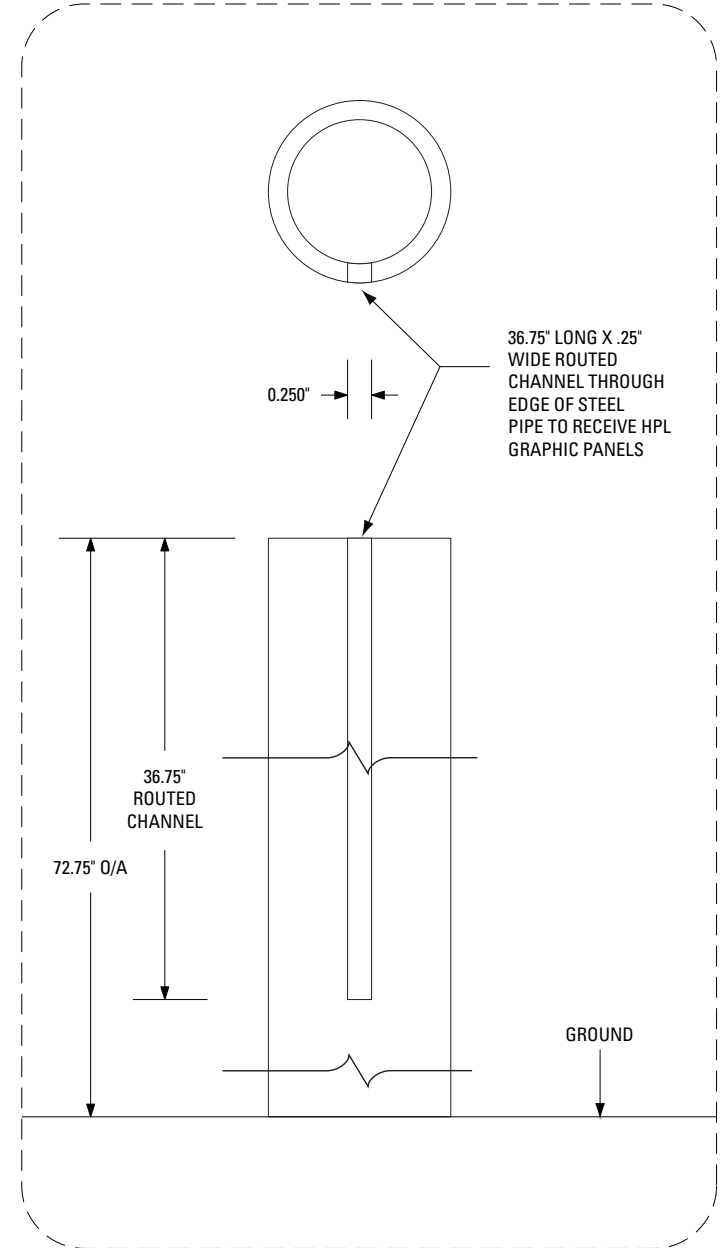
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EXPLODED DETAIL VIEW OF SECTION OO



SCH 80 STEEL PIPE DETAIL 1:2 SCALE



**BRONX RIVER
GREENWAY**
Signage Standards

SECTION
C. Fabrication Drawings
C.4. General

TITLE
All Sign Types
Sign Footing Elevation

DRAWING #
C.4.01 [S-1 / 1 of 2]

SCALE
1" = 1'-0"

DATE
05.02.2008

DRAWN BY
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REVISIONS
MH 04.09.2009



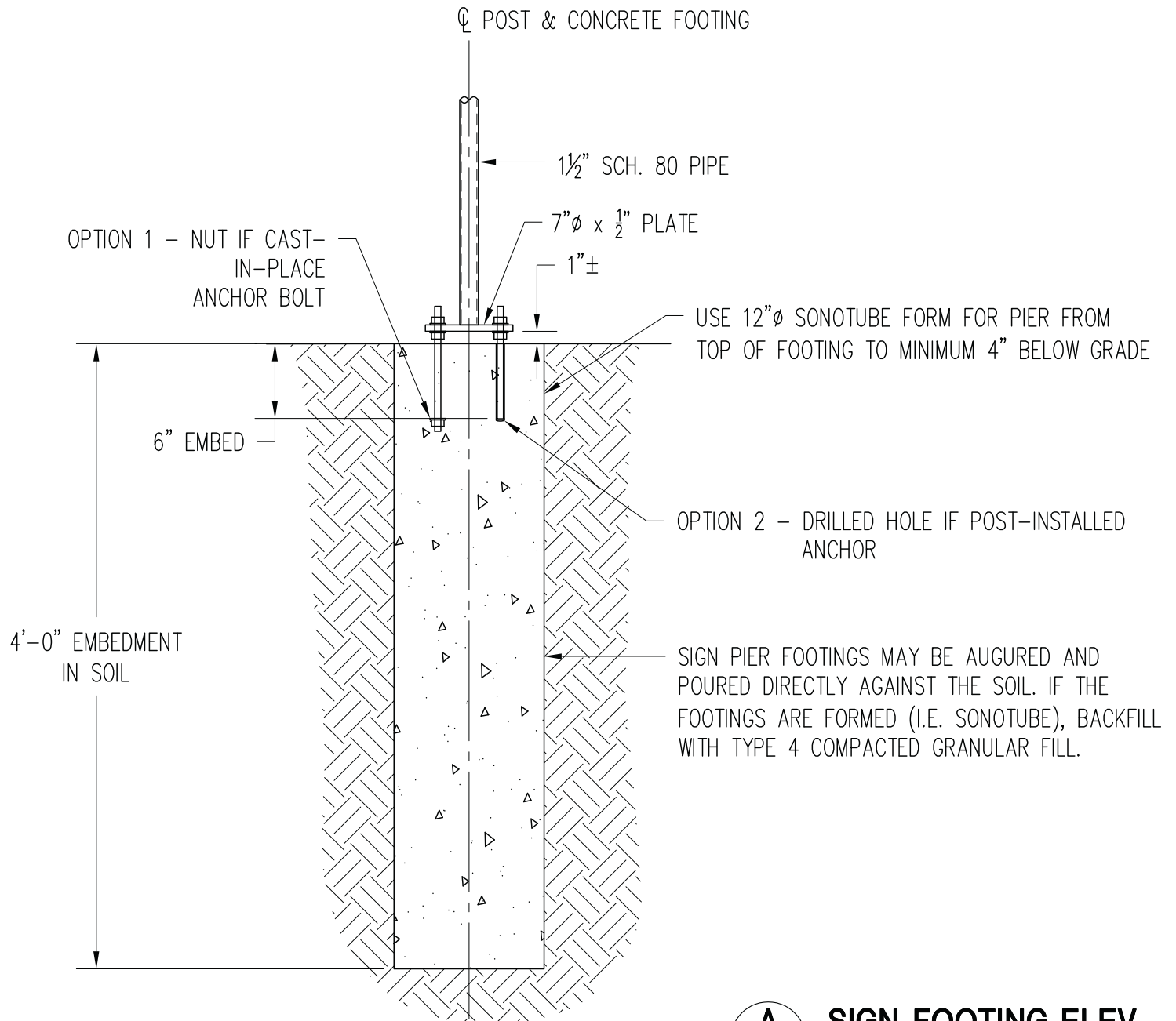
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SIGN FOOTING-ELEV.

S-1

SCALE: 1"=1'-0"

**BRONX RIVER
GREENWAY**
Signage Standards

SECTION
C. Fabrication Drawings
C.4. General

TITLE
All Sign Types
Sign Footing Plan

DRAWING #
C.4.02 [S-1 / 2 of 2]

SCALE
1:4

DATE
05.02.2008

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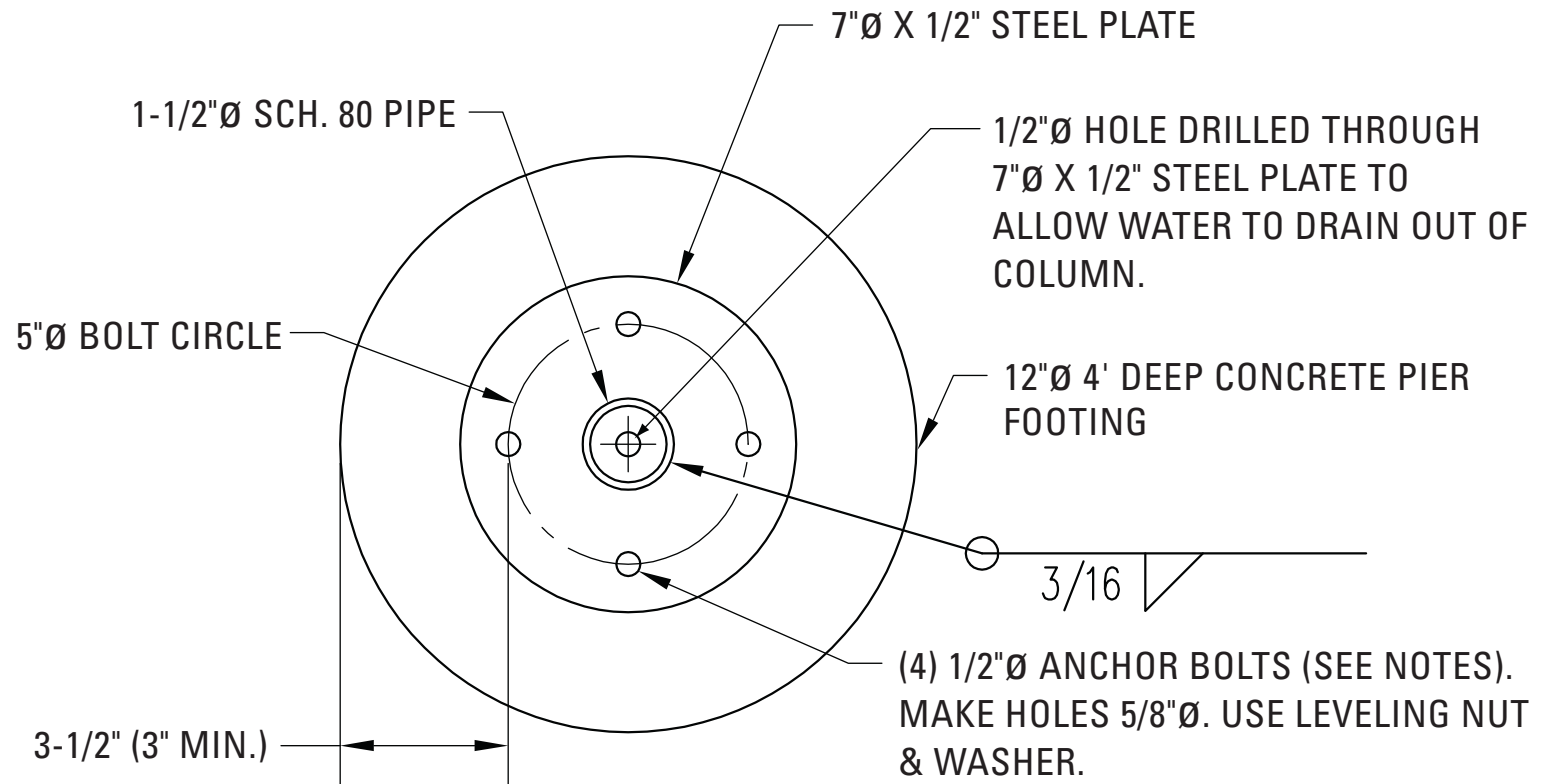
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SIGN FOOTING-PLAN

SCALE: 3" = 1'

BRONX RIVER GREENWAY Signage Standards

SECTION
C. Fabrication Drawings
C.4. General

TITLE
All Sign Types
Construction Notes

DRAWING #
C.4.03 [GN-1]

SCALE
na

DATE
05.02.2008

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GENERAL NOTES:

1. BUILDING CODE: THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE, LATEST EDITION. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THIS CODE, AND LOCAL REQUIREMENTS.
2. DESIGN LOADS:
 - A. GRAVITY LOADS:
FRAMING SYSTEM HAS BEEN DESIGNED TO SUPPORT SPECIFIC ITEMS SHOWN ON DRAWINGS WHEN ASSEMBLED IN ACCORDANCE WITH DRAWINGS. NO ADDITIONAL DEAD LOADS OR LIVE LOADS MAY BE PLACED ON STRUCTURES.
 - B. WIND LOADS:
DESIGN WIND PRESSURE: 22.5 PSF (WIND ON SIGNS)
3. SUBMITTALS REQUIRED, STRUCTURAL
THE FOLLOWING ITEMS REQUIRE SUBMITTAL OF SHOP AND ERECTION DRAWINGS, FOR REVIEW:
 - i) STRUCTURAL STEEL
4. ALL WORK SHALL BE COORDINATED WITH ARCHITECTURAL, AND/OR LANDSCAPE DESIGNER DRAWINGS.
5. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
6. IN CASE OF CONTRADICTION BETWEEN THE DRAWINGS, THE SPECIFICATIONS, AND THE CODES, OR IF ANY CHANGES IS REQUIRED. THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY. NO STRUCTURAL CHANGE SHALL BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
7. THIS SYSTEM IS DESIGNED TO BE SELF-SUPPORTING ONLY WHEN FULLY ERECTED AND ALL ANCHORS ARE COMPLETELY FASTENED. INSTALL TEMPORARY SUPPORTS AND/OR BRACING AS REQUIRED DURING ERECTION TO MAINTAIN STABILITY AND TO PREVENT DISTORTION OR DAMAGE TO THE SYSTEM DUE TO ERECTION FORCES.

FOUNDATION NOTES:

1. ALL FOOTINGS SHALL BE PLACED DIRECTLY ON VIRGIN SOIL, OR CERTIFIED COMPACTED FILL. SIGN FOOTINGS MAY BE AUGURED AND POURED DIRECTLY AGAINST THE SOIL. IF THE FOOTINGS ARE FORMED, BACKFILL WITH TYPE 4 COMPACTED GRANULAR FILL.
2. CONCRETE FOR FOUNDATION:
 - A. 28 DAY MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE SHALL BE AS FOLLOWS:
FOOTINGS: 3500 PSI.
 - B. PROVIDE BETWEEN 4% AND 6% AIR ENTRAINMENT IN CONCRETE.
 - C. MAXIMUM CONCRETE SLUMP SHALL BE 4" FOR CONCRETE NOT RECEIVING HIGH RANGE WATER REDUCING ADMIXTURE.
 - D. ALL CONCRETE SHALL BE MIXED, TRANSPORTED, AND PLACED IN ACCORDANCE WITH ACI STANDARDS 318, 304, 301.
3. EXCAVATIONS SHALL BE DEWATERED TO ALLOW INSTALLATION OF FOOTINGS IN DRY ATMOSPHERE.
4. ALL EXTERIOR FOOTINGS SHALL BE PLACED A MINIMUM OF 4'-0" BELOW FINAL GRADE WHEN BEARING ON SOIL.
5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHERE BOTTOM OF FOOTINGS ELEVATION IS CHANGED AND OBTAIN REVISED DESIGN OF THE FOUNDATION AND RETAINING WALLS AS REQUIRED.

STRUCTURAL NOTES:

1. GENERAL CONCRETE NOTES:
 - A. ALL CONCRETE WORK SHALL CONFORM TO REQUIREMENTS OF THE A.C.I BUILDING CODE REQUIREMENT FOR STRUCTURAL CONCRETE (318-02 ULTIMATE STRENGTH DESIGN).
 - B. ALL CONCRETE SHALL BE MIXED, TRANSPORTED AND PLACED IN ACCORDANCE WITH ACI STANDARDS 318 AND 304.
 - C. NO CALCIUM CHLORIDE ADMIXTURES ARE PERMITTED.
2. STEEL
 - A. STEEL CONSTRUCTION SHALL CONFORM TO AISC "STEEL CONSTRUCTION MANUAL", NINTH EDITION, AND SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDING AND BRIDGES."
 - B. MATERIALS FOR STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
STRUCTURAL PLATE -A36
PIPE -A501 OR A53,
TYPE E OR S,
GRADE B
 - C. ALL STEEL SHALL BE SHOP COATED USING CORROSION RESISTANT, EXTERIOR PAINT SYSTEM AS SPECIFIED BY THE ARCHITECT.
3. FASTENERS
 - A. BOLTS FOR MECHANICAL CONNECTIONS SHALL BE STAINLESS GRADE 316, ASSEMBLED USING PREVAILING TORQUE-TYPE ELASTIC STOP NUTS.
 - B. ANCHOR BOLTS INTO CONCRETE SHALL BE EITHER CAST-IN-PLACE OR POST-INSTALLED ½" DIAMETER GRADE 316 STAINLESS STEEL, EMBEDDED 6". IF POST-INSTALLED, USE HILTI HAS STAINLESS STEEL RODS WITH HILTI HIT HY150 MAX ADHESIVE OR APPROVED EQUIVALENT. USE ROD WITH STAINLESS STEEL WASHERS AND NUTS. PROVIDE LEVELING NUTS AND WASHERS UNDER BASE PLATE. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - C. USE LOCTITE 262 TO SECURE TOP NUT TO ANCHOR THREADS TO RESIST TAMPERING.
4. WELDING
 - A. ALL WELDING OF STEEL GREATER THAN ½" THICK SHALL COMPLY WITH AWS D1.1 "STRUCTURAL WELDING CODE - STEEL," LATEST EDITION. USE E70XX OR E70-T SERIES ELECTRODES, LOW HYDROGEN.
 - B. ALL WELDERS SHALL BE CERTIFIED TO AWS STANDARDS.
 - C. ALL WELDS SHALL BE VISUALLY INSPECTED. NO FAILED WELDS SHALL BE PERMITTED TO REMAIN IN SERVICE.
 - D. WELD USING FILLET WELDS TYPICALLY AND FLARE-BEVEL GROOVE WELDS AT TUBE EDGES. WELD SIZES SHALL MATCH THINNER MATERIAL AT JOINT., UNLESS OTHERWISE NOTED.

NOTE:

MEG DRAWINGS GN-1, S-1.1 AND S-1.2 MUST BE USED IN CONJUNCTION WITH THE FOLLOWING STUDIO L'IMAGE DRAWINGS DATED 04.07.2011

| | | |
|--------|--------|--------|
| C.1.01 | C.1.10 | C.2.09 |
| C.1.02 | C.2.01 | C.2.10 |
| C.1.03 | C.2.02 | C.2.11 |
| C.1.04 | C.2.03 | C.2.12 |
| C.1.05 | C.2.04 | C.3.01 |
| C.1.06 | C.2.05 | C.3.02 |
| C.1.07 | C.2.06 | C.3.03 |
| C.1.08 | C.2.07 | C.3.04 |
| C.1.09 | C.2.08 | C.3.05 |

BRONX RIVER GREENWAY Signage Standards

SECTION
D. Sign Placement
D.I. Directional Signs

TITLE
DIR-1, DIR-2
Alignment to Path

DRAWING #
D.1.01

SCALE
na

DATE
05.02.2008

DRAWN BY
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Wayfinding DIR-1, DIR-2 SIGN PLACEMENT DIAGRAM

SIDE B

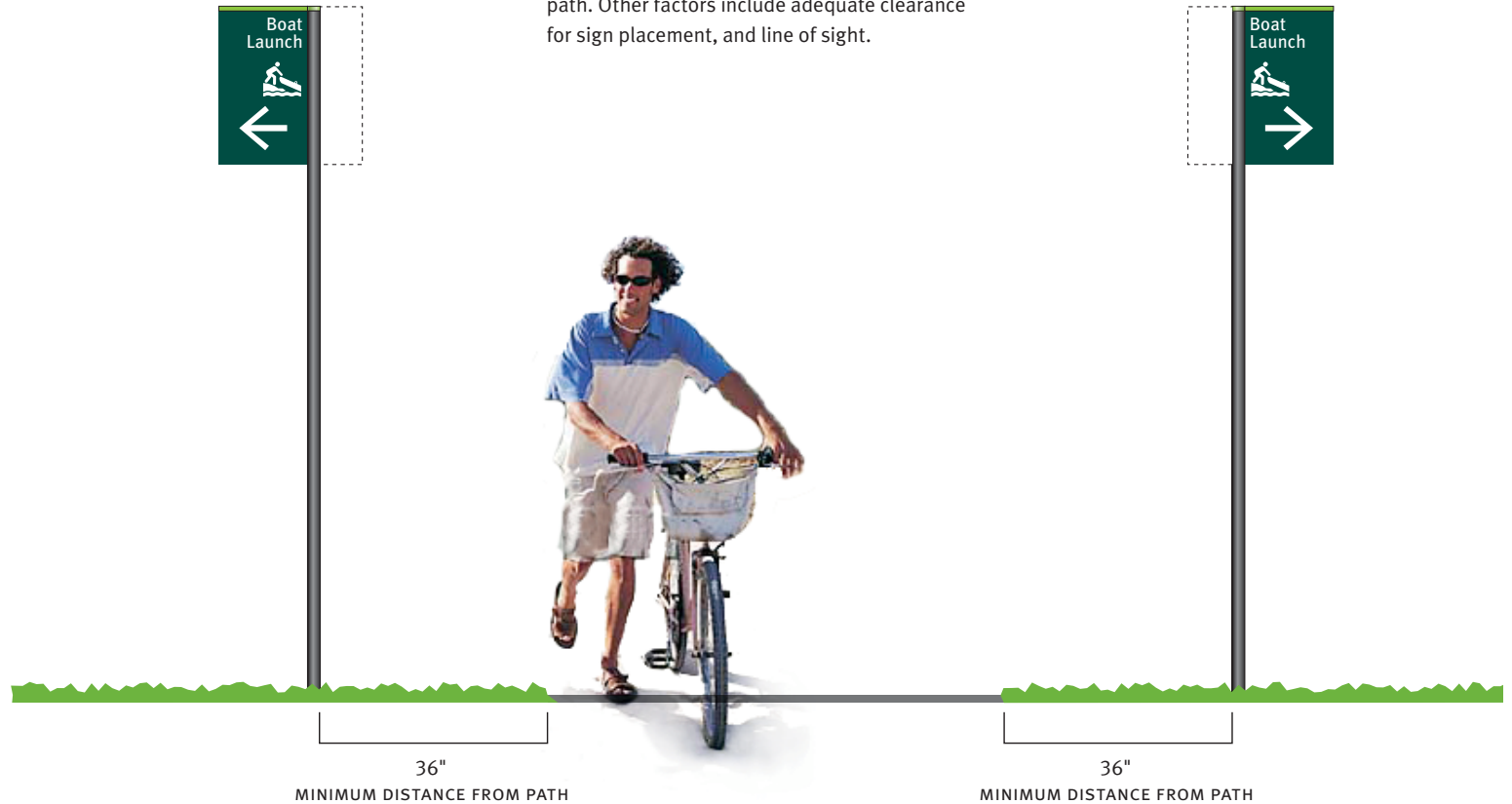
Sign face visible on the
left side of the path.
Layout is right-justified.

Flag aligned away from path

Sign placement conventions:
Flag is to be aligned away from path. At any particular intersection or junction, signs are to be placed on the side of the path closest to the destination, so that the arrow would point away from the path (as shown), not back across the path. Other factors include adequate clearance for sign placement, and line of sight.

SIDE A

Sign face visible on the
right side of the path.
Layout is left-justified.



BRONX RIVER GREENWAY

Signage Standards

SECTION
D. Sign Placement
D.1. Directional Signs

TITLE
DIR-1, DIR-2
Placement Conventions

DRAWING #
D.1.02

SCALE
na

DATE
05.02.2008

DRAWN BY
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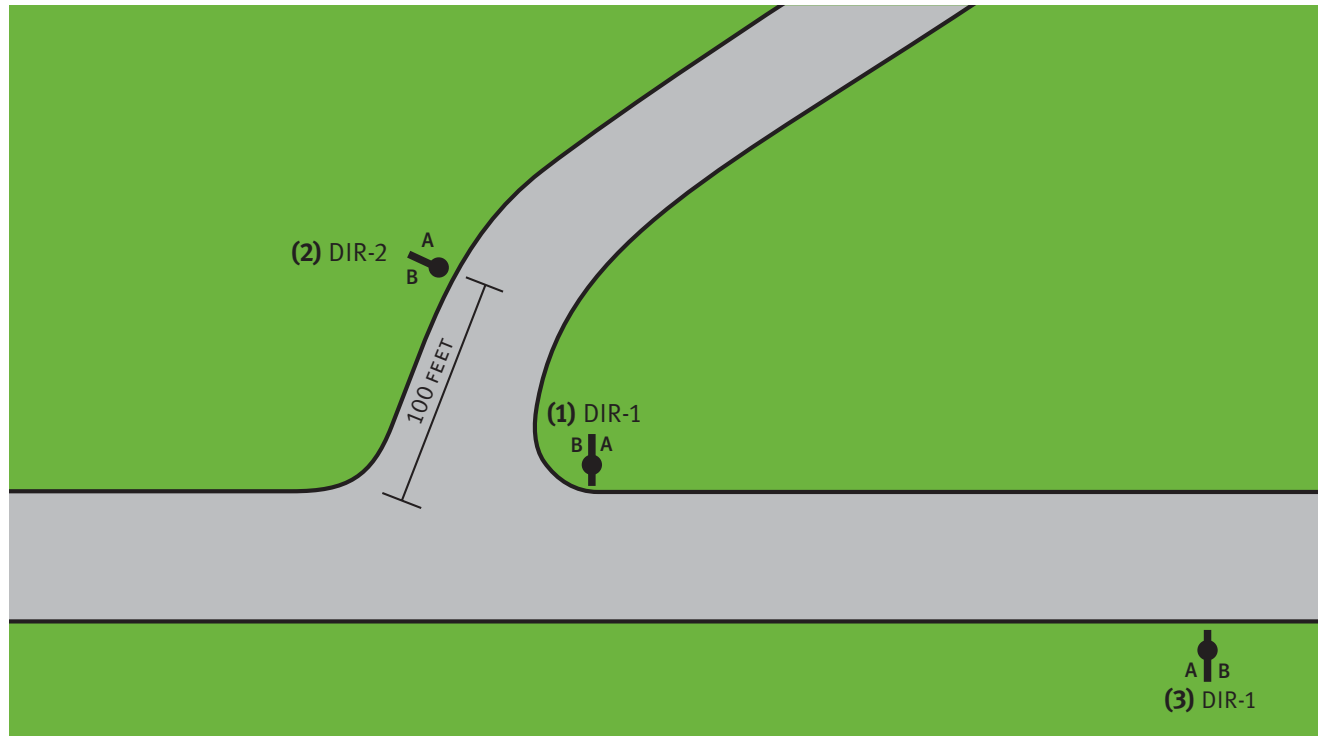
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Wayfinding DIR-1, DIR-2 SIGN PLACEMENT EXAMPLES



Sign placement conventions:

(1) Along the main route, a DIR-1 module would typically be placed immediately adjacent to a side path. The messages on both sides of the DIR-1 would refer to the destination(s) on the side path. The sign should be placed on the same side of the trail as the side path, so that the directional arrow does not point across the path.

(2) On side paths, approaching a junction with the main trail, signs are to be placed approximately 100 feet from the intersection (or closer, if the line of sight is obscured). The messages on the A side of this sign would refer to destinations in either direction on the main trail. The B side would generally refer to a destination along the side trail, or it may contain a regulatory message.

(3) Signs may also be placed along straight sections of trail, away from junctions, if necessary to reinforce directions to destinations further along the trail.

Additional factors effecting sign placement include adequate clearance from landscape elements, and clear line of sight.