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Introduction

Pittsburgh is home to a wide variety of parks and open spaces, ranging from expansive regional parks to neighborhood playgrounds and ballfields. While these open spaces are assets for the city, not all of them are well-used or well-known. This presents a challenge to the City to determine how to bring more awareness and activity to these areas.

The Open Space Signage Plan is a recommendation of the Open Space Plan (the City’s Open Space, Parks, and Recreation Plan), which was adopted in July 2013. During the public engagement process, it was found community members desired better connectivity and a more consistent identity for their parks and open spaces. Currently, community and neighborhood parks have a wide variety of signage types with little to no consistency between them. This lack of a consistent design standard makes it hard to identify areas as city parks.

It is the goal of this project to create a unified identity for parks and open space across the city through the use of consistent sign design and language. By creating a unified sign system we hope to draw attention to these areas, identifying them as part of a larger system, improving the user’s sense of place, and encouraging the community to take ownership of their open spaces.

Intended Audience

These standards are intended primarily for internal use by the City of Pittsburgh departments of Parks and Recreation, Planning, and Public Works. It will be particularly relevant to operations within Public Works parks division, as well as within other divisions/departments working in City open spaces that relate to signage. City partners (non-profits, community based organizations, and stewards) may also use the standards as a resource to work with City Planning to develop, fabricate, and implement these standards in open spaces that the partners have agreements with the City to steward.
Inventory Analysis

The City of Pittsburgh's open space signage inventory (summer 2014) documented signs in nearly all of our parks. Below are the overall comments, observations and recommendations.

<table>
<thead>
<tr>
<th>Comment/Observation</th>
<th>Example</th>
<th>Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Character</td>
<td></td>
<td>A more considered design approach would significantly improve the aesthetic appearance of the parks in respect to our urban setting and natural features.</td>
</tr>
<tr>
<td>Clutter</td>
<td></td>
<td>Need to consolidate and centralize signs into multi-purpose signs.</td>
</tr>
<tr>
<td>Communication</td>
<td></td>
<td>Use icons to reduce amount of text &amp; increase language accessibility. Use positive messaging to promote correct ways of using the park.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Comment/Observation</th>
<th>Example</th>
<th>Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost</td>
<td></td>
<td>Consider the cost of materials and fabrication when designing the new system.</td>
</tr>
<tr>
<td>Hierarchy</td>
<td></td>
<td>Consider content and messages and create a logical hierarchy to convey the various messages.</td>
</tr>
<tr>
<td>Inconsistency</td>
<td></td>
<td>Standardize messaging and icons to create a consistent message system wide.</td>
</tr>
</tbody>
</table>
# Inventory Analysis Cont.

<table>
<thead>
<tr>
<th>Comment/Observation</th>
<th>Example</th>
<th>Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maintenance</strong></td>
<td><img src="image1.jpg" alt="Example Image" /></td>
<td>Freestanding or pole signs can often increase maintenance in terms of mowing/weed eating around the base. Consider materials, placement, and fabrication into the design to reduce the manpower needed to maintain the system.</td>
</tr>
<tr>
<td><strong>Placement</strong></td>
<td><img src="image2.jpg" alt="Example Image" /></td>
<td>Lack of height standard for placement in terms of pedestrian &amp; vehicular visibility. Consider ADA standards as well as alternative structural designs to maintain clear sight lines.</td>
</tr>
<tr>
<td><strong>Quality</strong></td>
<td><img src="image3.jpg" alt="Example Image" /></td>
<td>Replace signs that are in poor repair or covered in graffiti. Consider alternate materials with longer lifespans, lower maintenance costs and less susceptibility to damage.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Comment/Observation</th>
<th>Example</th>
<th>Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Scale</strong></td>
<td><img src="image4.jpg" alt="Example Image" /></td>
<td>Community vs. Neighborhood scale parks. Consider the size, location, and character of the different types of open space for appropriate scale.</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td><img src="image5.jpg" alt="Example Image" /></td>
<td>Lack of directional signage (maps, arrows, etc.) Potential to add functionality to signs to promote open space as well as provide direction to park users. Lack of identifying these open spaces as City of Pittsburgh spaces. Potential to create an identity that cohesively ties the City’s open spaces together. Lack of trail signage: Potential to promote greater uses of open spaces through naming, and signing trail as well as providing distance and difficulty information. Underutilized/blank back side of signs: Potential to incorporate art or map of nearby open spaces to the blank reverse panel of signs to utilize all surfaces as well as deter from graffiti.</td>
</tr>
</tbody>
</table>
Open Space Types

The City of Pittsburgh’s public open space system contains more than 3,390 acres of land, constituting 10% of the city’s land base. Pittsburgh’s open space system includes lands deliberately reserved for public purposes and to benefit residents and visitors, and to protect environmentally sensitive areas and natural systems. The open space system incorporates hillsides, natural resource lands, and developed lands containing parks, sports fields, swimming pools, buildings, and an extensive variety of built recreation features and amenities.

The following table summarizes each open space type, and begins to define the best approach to signage for each type.
<table>
<thead>
<tr>
<th>Open Space</th>
<th>Definition</th>
<th>Acres/ # of facilities</th>
<th>Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regional Park</td>
<td>Regional Parks are the signature open spaces of the city. These sites are amongst the largest park sites and draw visitors from throughout Pittsburgh and beyond. Each park has a unique identity shaped by its cultural resources, historic landscape, natural features, and recreational amenities. Regional parks are large enough that they can contain multiple spaces that in some instances function as “parks within parks.”</td>
<td>Approx. 1,972 acres 5 parks</td>
<td>Note that the 2005/2010 master design guidelines remain the city standard for regional parks, and that the open space signage standards 2016 do not apply.</td>
</tr>
<tr>
<td>Neighborhood Park</td>
<td>Community Parks are intended to serve multiple neighborhoods. These parks can vary in size depending on their setting and facilities, and include a mix of active and passive recreation features. Competitive quality sports fields, indoor or outdoor swimming pools, multi-purpose recreation centers, and reservable picnic shelters are common features in community parks. This type of park also typically includes those features found in neighborhood parks. Transit access and support amenities, such as restrooms are important components of community parks.</td>
<td>Approx. 330 acres 106 parks</td>
<td>Neighborhood Parks would benefit from pedestrian scaled signs that are not dominant. Entry points should contain park name, maps, and directional information and be the primary signs. Smaller amenity signs could be used for specific park facilities if needed.</td>
</tr>
<tr>
<td>Community Park</td>
<td>Community Parks are intended to serve multiple neighborhoods. These parks can vary in size depending on their setting and facilities, and include a mix of active and passive recreation features. Competitive quality sports fields, indoor or outdoor swimming pools, multi-purpose recreation centers, and reservable picnic shelters are common features in community parks. This type of park also typically includes those features found in neighborhood parks. Transit access and support amenities, such as restrooms are important components of community parks.</td>
<td>Approx. 561 acres 21 Parks</td>
<td>Community Parks would benefit from pedestrian and vehicular scaled signs. Entry points should contain park name, maps, and directional information. Specific amenities should have additional signs and regulations. Additional, trail markers should be used for direction and mileage. Informational signs should be used for historical/educational points along the riverfronts.</td>
</tr>
<tr>
<td>Riverfront Park</td>
<td>Riverfront Parks are called out as a unique classification because they focus on proximity or access to one or more of Pittsburgh’s rivers. Some of these riverfront sites may also serve neighborhood, community, or regional park functions.</td>
<td>Approximately 51 acres (city-maintained)</td>
<td>Riverfront Parks would benefit from pedestrian scaled signs that fit their natural character. Entry points or trail heads should have a sign that identifies the space, provides regulatory information, and directional information. Additional, trail markers should be used for direction and mileage. Informational signs should be used for historical/educational points along the riverfronts.</td>
</tr>
<tr>
<td>Greenway</td>
<td>Greenways are typically steeply sloped, unbuildable land that is consolidated for the purpose of protecting hillsides and preserving passive open space resources for uses such as trails and overlooks.</td>
<td>Approx. 550 acres 12 designated</td>
<td>Greenways would benefit from pedestrian scaled signs that fit their natural character. Entry points or trail heads should have a sign that identifies the space, provides regulatory information, and directional information. Additional subtle trail markers should be used for direction, mileage, naming, and difficulty.</td>
</tr>
<tr>
<td>Open Space</td>
<td>Definition</td>
<td>Acres/ # of facilities</td>
<td>Recommendation</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>------------------------</td>
<td>----------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Privately-owned Open Space</td>
<td>As part of Pittsburgh’s Downtown development and Specialty Planned District requirements, plazas and open space are required through the Urban Open Space Requirements found in section 910.01.C.3 of the zoning code. These spaces are accessible to the public, but are privately constructed and maintained.</td>
<td>N/A</td>
<td>Privately-owned Open Space would benefit from pedestrian scaled signs that are not dominant. Only major entry points should have a marker that denotes this space as publicly accessible at a specified time as well as potentially reference the code section that makes this space public. A higher quality material should be explored for these spaces.</td>
</tr>
<tr>
<td>Vacant Lot(s) (city owned)</td>
<td>The Adopt-A-Lot Program is a City program designed to transform blighted City-owned vacant lots (often acquired as a result of tax delinquency) into community assets. Though this program does not specify a long-term future for sites, many Adopt-A-Lot efforts result in community stewardship of neighborhood lots and the creation of informal, undesignated open space for local use.</td>
<td>Approx. 7,200 lots (city-owned)</td>
<td>Vacant lots would benefit from “temporary” pedestrian scaled signs that are not dominant. Only one sign should be placed at the main entrance or adjacent to the sidewalk to signify this space as a project. Should not use the words “park” or “parklet” in their names, but can acknowledge the license or lease holder.</td>
</tr>
<tr>
<td>Multi-Use Trails</td>
<td>Multi-use trails are hard-surfaced, off-street paths used by pedestrians and bicyclists, and can be destinations for exercise and recreation.</td>
<td>Riverfront Parks Community Parks</td>
<td>Should be shown on map. Trail markers should be used for direction, mileage, naming, and difficulty.</td>
</tr>
<tr>
<td>Pedestrian Trails</td>
<td>Pedestrian trails are off-street trails that can be hard or soft-surfaced. Examples of soft surfaces include soil, crushed rock, and wood chips. Some soft surfaces do not provide accessibility for people with disabilities, but are preferable for some recreation activities, such as running and hiking.</td>
<td>Community Parks Greenways</td>
<td>Should be shown on map. Trail markers should be used for direction, mileage, naming, and difficulty.</td>
</tr>
<tr>
<td>Park Pathways</td>
<td>Park pathways are the paved or soft-surfaced paths contained within parks. At minimum, each park should have a paved pathway providing access to all elements on the site for compliance with the Americans with Disabilities Act (ADA). Most of Pittsburgh’s parks have at least a small park pathway connecting a playground or court to the sidewalk. Only a few parks have looped pathway systems, a desirable recreation feature given the high level of interest and participation in walking for exercise.</td>
<td>Community Parks Neighborhood Parks</td>
<td>For Community Parks, ADA accessibility should be shown on maps. For parks with looped pathway systems use trail markers for direction, mileage, naming, and difficulty.</td>
</tr>
<tr>
<td>Mountain Bike Trails</td>
<td>Mountain bike trails are dedicated trails for mountain biking. They can be built using a range of surfaces. Off-street mountain bike trails are typically narrow, single track trails composed of natural/compacted earth. Reducing user conflicts is especially important when designing natural surface trails for use by cyclists and pedestrians. Trail sections should be designed to prevent erosion and reduce speed, especially around corners or at trail intersections.</td>
<td>Community Parks Greenways</td>
<td>Should be shown on map as mountain bike trails. Trail markers should be used for direction, mileage, naming, and difficulty.</td>
</tr>
</tbody>
</table>
Implementation Process

YEARLY CAPITAL IMPROVEMENT + PRIORITIES
DCP TO DEVELOP SITE PLAN W/DPW
COMMUNITY OUTREACH/INPUT
SEE TRAILS
CITY/DPW SIGN SHOP
PRODUCTION VENDOR
INSTALLATION VENDOR

COMMUNITY LEAD
FUNDRAISING
SEE TRAILS
OUTREACH
DPW

DCP TO DEVELOP SITE PLAN W/DPW
PAY INTO SIGN TRUST FUND
PRODUCTION VENDOR
INSTALLATION DPW

STEWARD LEAD
FUNDRAISING
SEE TRAILS
OUTREACH
VENDOR

DCP TO DEVELOP SITE PLAN W/DPW
PRODUCTION VENDOR
INSTALLATION VENDOR

GREENWAYS / ADOPT-A-LOT
**Process of Trail Naming**

**Definition:** Trail – contained within a city designated open space (park and/or greenway) and are considered multi-use trails, pedestrians trails, park pathways, and mountain bike trails.

**Background:**

**a. Existing Names**

i. If physically signed by the City, adopt existing name using the “trail” suffix. Existing duplicate or similar sounding trail names within the open space system should be changed to ensure efficiency of the emergency response system.

**b. Proposed Names**

i. Prioritization to follow this order:
   1. Regional Parks
   2. Riverfront Parks
   3. Community Parks
   4. Greenways
   5. Neighborhood Parks

**Naming Conventions:**

a. Naming

ii. Easy to pronounce/spell

iii. Limit of 60 characters including spaces

iv. Each trail shall have the same name throughout its entire length.

v. Must not duplicate, or be similar sounding to any existing trail names in the City.

vi. Refrain from Street duplication

1. Allowed if Street is in proximity to Open Space (proximity - defined as adjacent neighborhood(s))

vii. Existing duplicate or similar sounding trail names should be changed to ensure efficiency of the emergency response system.

viii. Do not use any punctuation such as, periods, commas, hyphens, apostrophes, or dashes in the name.

ix. Prohibit using numbers as part of the trail name.

x. Prohibit the use of suffixes, directional suffixes, prefixes, and directional prefixes as trail names. (ex: East Trail, West North Trail)

xi. Prohibit single letter trail names

xii. Prohibit the use of any suffix except “trail”

xiii. Trail names must be spelled out completely. Do not abbreviate any part of the trail name. (ex: Martin Luther... not internal to an Open Space, but adjacent to a City Right-of-way must utilize the ROW name then suffix “trail and identify Open Space Name.

xiv. Address/geo-locate in 0.2 mile intervals, including trailheads

xv. Mile mark any trail over 2 miles

xvi. Trailhead(s), not internal to an Open Space, but adjacent to a City Right-of-way must utilize the ROW name then suffix “trail and identify Open Space Name.

xvii. Trail names after individuals; individual must be deceased at least three years

b. Renaming

i. Discouraged, except for an emergency response system reason.
**Sign Panels**

All park signs are created based on 4”x4” panel sizes.

The panels are sized to fit together into a modular system to create different sign types.

See Sign Types section for content information.
Material Sizes Cont.

- **Neighborhood Park Entry With Ammenities**: 32” x 20”
- **Neighborhood Park Entry Without Ammenities**: 24” x 20”
- **Neighborhood Park Entry Without Ammenities**: 16” x 32”
- **Neighborhood Park Entry With Ammenities**: 32” x 20”
- **Greenway Entry With Map**: 24” x 32”
- **Greenway Entry Without Map**: 24” x 20”
- **Community Park Entry**: 24” x 36”
- **Community Park Entry**: 40” x 20”
Regular
Use regular weight font for body text, lists, etc.

Century Gothic Regular
a b c d e f g h i j k l m n o p q r s t u v w x y z
ABC DEFG HIJ KLM NO PQ RSTUVWXYZ
1234567890 $&%!

Century Gothic Regular Italic
a b c d e f g h i j k l m n o p q r s t u v w x y z
ABC DEFG HIJ KLM NO PQ RSTUVWXYZ
1234567890 $&%!

Bold
Use bold weight font for place names, directional information and to call attention to particular words/phrases.

Century Gothic Bold
a b c d e f g h i j k l m n o p q r s t u v w x y z
ABC DEFG HIJ KLM NO PQ RSTUVWXYZ
1234567890 $&%!

Century Gothic Bold Italic
a b c d e f g h i j k l m n o p q r s t u v w x y z
ABC DEFG HIJ KLM NO PQ RSTUVWXYZ
1234567890 $&%!

Letter Height
Text should be no smaller than 1/8” so that it can be read by all park users. Use the intended reading distance from the sign to determine letter heights of signs. See the diagram below for a guide.

A general rule is a 1” tall letter can be read from 50’ away.

Use this formula to determine letter heights.
$100’ \text{ (distance from sign)} ÷ 50 = 2” \text{ minimum letter height}$
<table>
<thead>
<tr>
<th>Color Code &amp; Swatch</th>
<th>PMS Match</th>
<th>Paint Match</th>
<th>Opaque Vinyl</th>
<th>CMYK</th>
<th>Type of Sign</th>
<th>Type of Open Space</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1</td>
<td></td>
<td></td>
<td>*3M 77225-10</td>
<td>C 0 M 0 Y 0</td>
<td>Sign messages</td>
<td>Community Parks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>White</td>
<td>K 0</td>
<td>Maps</td>
<td>Neighborhood Parks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*not recommended</td>
<td></td>
<td>Riverfront Parks</td>
</tr>
<tr>
<td>C2</td>
<td>PMS 7545C</td>
<td>Shadow Blue</td>
<td>*3M 77225-177</td>
<td>C 50 M 31 Y 28</td>
<td></td>
<td>Vacant Lots</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Shadow Blue</td>
<td>K 51</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C3</td>
<td>*PMS 448 C</td>
<td>GG 320 G4</td>
<td>N/A</td>
<td>C 55 M 58 Y 81</td>
<td></td>
<td>Privately-owned</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>K 51</td>
<td>Open Space</td>
<td></td>
</tr>
<tr>
<td>C4</td>
<td>*PMS Cool Gray 11 C</td>
<td>3M 7725-41</td>
<td>Dark Gray</td>
<td>C 65 M 57 Y 52</td>
<td></td>
<td>Greenways</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>K 29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C5</td>
<td>*PMS 3308 C</td>
<td>*3M 7725–276</td>
<td>Bottle Green</td>
<td>C 68 M 45 Y 70</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bottle Green</td>
<td></td>
<td>K 76</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Color specifications in bold font represent the master color. Any alternate ways of reproducing the color should be matched to a physical sample of the color.
Arrows

These arrows have been illustrated specifically for Open Space Pittsburgh Signs. Do not use other arrow art.

Do not place arrows inside a circle, box or other shape.

6X6 grid provided to show exact composition of approved arrows.

Red dashed square field provided to size arrows on sign layout; do not print dashes on sign face.

Arrows are only to be placed at 0°, 90° and 45°.

Arrows should never be pointed at text or messages.

On a map or directional sign, only use one arrow per direction.

Messages should be justified to their direction. For example, destinations to the right should be right justified on the layout and destinations to the left should be left justified.
## Trail Symbols

These icons describe the difficulty level of the trail systems within the parks.

Difficulty level must always be marked by the unique shape of each symbol. The color of the symbol is secondary and does not always have to be used.

For example, easy trails will always be marked by a circle. The circle may be either green, white, or black depending on the application.

### Trail Rating

<table>
<thead>
<tr>
<th></th>
<th>ADA Accessible</th>
<th>Easy</th>
<th>Intermediate</th>
<th>Advanced</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
<td>Smooth, wide</td>
<td>Mostly smooth, wide</td>
<td>Mostly uneven, variable width</td>
<td>Long rocky segments, possible drops and exposure</td>
</tr>
<tr>
<td><strong>Type of Open Space</strong></td>
<td>Park Pathways</td>
<td>Pedestrian Trails, Multi-Use Trails</td>
<td>Pedestrian Trails, Multi-Use Trails</td>
<td>Pedestrian Trails, Mountain Bike Trails</td>
</tr>
<tr>
<td><strong>Trail Width</strong></td>
<td>36” or more, with passing space every 1000’ if under 60”</td>
<td>36” or more</td>
<td>24” or more</td>
<td>6” or more</td>
</tr>
<tr>
<td><strong>Tread Surface</strong></td>
<td>Firm and stable</td>
<td>Firm and stable</td>
<td>Mostly stable with some</td>
<td>Widely variable</td>
</tr>
<tr>
<td><strong>Average Trail Grade</strong></td>
<td>5% or less</td>
<td>5% or less</td>
<td>10% or less</td>
<td>20% or less</td>
</tr>
<tr>
<td><strong>Obstacles (rocks, tree roots, fallen trees, etc.)</strong></td>
<td>Unavoidable obstacles 8” tall or less</td>
<td>Unavoidable obstacles 1/4” tall or less</td>
<td>Unavoidable obstacles 8” tall or less</td>
<td>Unavoidable obstacles 15” tall or less</td>
</tr>
<tr>
<td><strong>Technical Trail Features (TTF)</strong></td>
<td>Unavoidable bridges 36” or wider, with passing space if under 60”</td>
<td>Unavoidable bridges 36” or wider</td>
<td>Unavoidable bridges 24” or wider</td>
<td>Unavoidable bridges 24” or narrower</td>
</tr>
<tr>
<td></td>
<td>Little to moderate stair climbing</td>
<td>TTF’s 2’ high or less, width of deck is greater than 1/2 height</td>
<td>TTF’s 4’ high or less, width of deck is less than 1/2 height</td>
<td>May include loose rocks</td>
</tr>
<tr>
<td></td>
<td>Moderate to significant stair climbing</td>
<td>Lots of significant stair climbing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Logos & Usage Standards

The logos illustrated below may be used on sign faces. No other logos are to appear on sign faces.

If required, partners may be recognized by spelling out their name in Century Gothic Bold text. This regulation is part of the Off Site Advertising section of the City Zoning Code. Partners must have some sort of legal agreement to have their name appear on the sign.

**Open Space Logo** - Color: C5 - Bottle Green or C2 - Shadow Blue
May be displayed on 8" x 8" panel
Use 4"x4" panel for trail head & trail marker signs

**Pittsburgh City Shield** - Color: C2 - Shadow Blue, C3 - Brown, C4 - Dark Gray, C5 - Bottle Green
Do not reproduce larger than 3" tall. - Color C2 (Shadow Blue)

**Adopt-A-Lot Logo** - Color: C3 Brown
Minimum size is 4" x 4" panel

**Privately-owned Open Space Logo**
Minimum size is 8" x 8" panel - Color: C4 - Dark Gray
Sign Messages

The following types of messages shall be used to meet the different communication goals of Open Space Signage.

Directional
Signs that guide park users to various locations. Place at major intersections & decision points where the final destination is not immediately visible. May be used as trail markers to mark a path to a location. Directional signs should be placed on existing poles, walls, fences or incorporated into other signs when possible.

Identification
Used to identify a space or amenity. Place at main entrances where there is good visibility. Signs may contain the name of the space or amenity.

Informational
Signs that communicates the purpose of an object, or gives them instruction on the use of something. May convey park hours and project partners. Must be attached to paired with an Identification Sign.

Regulatory
Signs that communicate regulations. Placed in areas where a specific behavior or action is requested or prohibited. Regulatory signs should be placed on existing poles, walls, fences or incorporated into other signs when possible. When possible, use icons instead of text to convey messages.

Message Example - Community Park
Sign Families
Below are example sign layouts that may be used for identifying the different types of Open Space.
Boundary

Used to identify entrances along major roads adjacent to or through the park.

Use only for:
Community Park
Riverfront Park

Identification:
Open Space Logo
Park Name

Vehicular Scale: Boundary

Identification
Logo
8” x 8”

Identification
Name
8” x 52”

Boundary
60” x 8”

Identification
Logo
8” x 8”

Identification
Name
8” x 52”

Boundary
8” x 60”

Identification
Logo
8” x 8”

Identification
Name
8” x 52”

South Side Park
**Entry**

Used to identify entrances. Placed at main pedestrian entry points.

Blue for all park spaces (Community, Neighborhood, Riverfront)

Green for Greenway.

**Identification:**
- Park Name
- Open Space Logo

**Informational:**
- Hours
- Welcome
- Partners (only if one exists)
- City/311

**Directional:** (only for Community Parks and Greenways)
- Map (optional)
- Arrows (optional)

**Regulatory:**
- Messages
- Icons

---

**Knoxville Incline Greenway**

**Identification**
- Name 16” x 8”

**Informational**
- Hours 8” x 4”
- Welcome 8” x 8”
- Logo 8” x 8”
- Map 16” x 16”

**Regulatory**
- 8” x 12”

**Blank** 8” x 4”

---

**Community Park Entry**

24” x 36”

---

**South Side Park**

**Identification**
- Name 16” x 8”

**Informational**
- Hours 8” x 4”
- Welcome 8” x 8”
- Logo 8” x 8”
- Map 16” x 16”

**Regulatory**
- Icons 8” x 12”

**Informational**
- Partners 8” x 4”

---

The following is prohibited:
- Using illegal drugs or alcohol
- Rummaging through trash bins
- Amplifying sound
- Commercial activity or concessions

The following is prohibited:
- Consuming alcohol
- Performing or rallying

Chapter 473, 475, 477 & 633 City Code of Ordinances

Community Park.

The park is patrolled by Pittsburgh Police.

To report an emergency, call 911.

This park is a shared public

Permits are required for:
- Amplifying sound
- Consuming alcohol
- Performing or rallying

Have a fun and safe time. Be courteous and respectful to others, and please keep the park clean.

---

**Greenway Entry**

24” x 32”

---

**For more information about Parks, call the 311 Response Center or visit us on the web at http://pittsburghpa.gov/citiparks/**

---

**Total**

- Greenway Entry 24” x 32”
- Community Park Entry 24” x 36”
- 311 Response Center
- http://pittsburghpa.gov/citiparks/
August Wilson Park

Welcome to your Neighborhood Park. This park is a shared public open space provided for your enjoyment and recreation. Please use it in a safe and thoughtful way. Be courteous and respectful to others, and please leave the park clean.

The following is prohibited:
- Littering or dumping debris
- Using illegal drugs or alcohol
- Panhandling or solicitation
- Rummaging through trash bins

Permits are required for:
- Amplifying sound
- Commercial activity or concessions
- Consuming alcohol
- Performing or rallying

Chapter 473, City Code of Ordinances Article XI: Parks and Playgrounds. Fines up to $300. All Federal, Pennsylvania, and City laws are enforced.

The park is patrolled by Pittsburgh Police. To report an emergency, call 911.

Partners: Pittsburgh Parks Conservancy

For more information about Parks, call the 311 Response Center or visit us on the web at http://pittsburghpa.gov/citiparks/
The following is prohibited:
- Using illegal drugs or alcohol
- Panhandling or solicitation
- Amplifying sound
- Commercial activity or concessions
- Consuming alcohol
- Performing or rallying

Fines up to $300. All Federal, Pennsylvania, and City laws are enforced.

Chapter 473, City Code of Ordinances Article XI: Parks and Playgrounds.

Neighborhood Park.
The park is patrolled by Pittsburgh Police.

To report an emergency, call 911.

This park is a shared public open space provided for your enjoyment and recreation. Have a fun and safe time.

Be curious and respectful to others, and please keep the park clean.

For more information about Parks, visit us on the web at http://pittsburghpa.gov/citiparks/
### Amenity

These signs are used to identify specific areas or attractions inside an Open Space Facility such as dog parks, tennis courts, playgrounds, etc.

These could be stand alone signs or may be attached to an entry sign:

- Use a pedestrian scale sign if the amenity is within walking distance (100 yards or less) or if the amenity can be seen from the sign location.

#### Identification:
- Park Name (on stand alone amenity sign)
- Amenity Name
- Open Space Logo (on stand alone amenity sign)

#### Regulatory:
- Messaging
- Icons

---

![Amenity Signage Examples](image_url)

**Identification**

- Name 8" x 4"
- Logo 4" x 4"
- Icons 4" x 12"

**Regulatory**

- Written 8" x 4"
- Written 8" x 8"

---

**Amenity (Small)** 12" x 12"

**Amenity (Medium)** 12" x 16"

**Amenity (Large)** 16" x 16"

---

**Open Space Pittsburgh**

- **Park Name**: Mellon Park
- **Amenity**: Ball Field
- **Hours**: Sunrise to Sunset

**Mellon Park Ball Field**

- **Identification**
  - Name 8" x 4"
- **Regulatory**
  - Written 8" x 4"

**Sign Standards**

- **Amenity**
  - Only officially credentialed coaches and players are permitted to be on field during games. Spectators are not permitted on the sideline or field.
  - Be respectful and responsible: Please stay in the play area, do not cross the fence, and keep your dog under control.

---

**August Wilson Park Playground**

**Identification**

- Name 8" x 4"
- Logo 4" x 4"

**Regulatory**

- Written 8" x 4"

**Informational**

- Hours 8" x 4"

---

**Off-Leash Dog Area**

**Identification**

- Name 8" x 4"
- Logo 4" x 4"

**Regulatory**

- Written 8" x 8"

**Informational**

- Hours 8" x 4"

---

**August Wilson Park Playground**

- The play area is for everyone to enjoy. However, there is an element of risk in all play. Parents and caregivers are required to supervise their children appropriately.

**Regulatory**

- Be safe
  - Use equipment as intended
  - No pushing, shoving, or rough stuff
  - Be careful when equipment is wet
  - Slide down feet first
  - Hot surfaces can burn

**Be respectful**

- Use appropriate language

**Be responsible**

- Help keep your park clean.

---

**Off-Leash Dog Area**

- Dog owners are responsible for the monitoring and prophylaxis of their dog. Owners are legally responsible for third party and any liability caused by their dogs. Owners must clean up after their dogs at all times.

**Regulatory**

- Written 8" x 8"

- Be respectful
  - Help keep your park clean

---

**Open Space Pittsburgh**

- **Park Name**: August Wilson Park
- **Amenity**: Playground
- **Hours**: Sunrise to Sunset

**August Wilson Park Playground**

- The following is prohibited:
  - Smoking or the use of any electronic cigarettes
  - Pets
  - Skateboarding
  - Bicycles
  - Bicycles are not permitted in this area.

**Identification**

- Name 8" x 4"
- Logo 4" x 4"

---

**August Wilson Park Playground**

- The following is prohibited:
  - Smoking or the use of any electronic cigarettes
  - Pets
  - Skateboarding
  - Bicycles
  - Bicycles are not permitted in this area.

**Identification**

- Name 8" x 4"
- Logo 4" x 4"
Interpretive

Community Park (blue)
Greenway (green)

These signs are informational, connecting a visitor with the rich history and ecology illustrated on the sign. This sign type will be utilized to supplement structures and amenities.

Informational

Years
8" x 8"

Identification
Name
16" x 8"

Identification
Logo
8" x 8"

Identification
Timeline
16" x 8"

Informational
Images
16" x 16"

Informational
References
16" x 8"

Informational
Stewards
8" x 4"

Informational
Partners
8" x 4"

Knoxville Incline Greenway
Knoxville Incline
1890-1960

The Knoxville Incline was a 2,640 ft long incline plane that transported passengers and freight between the South Side Flats and the Hilltop. It was built in 1890 by the Knoxville Incline Plane Company, which started service on June 26, 1890. The line was 2,640 ft long, had a total rise of 375 ft, and had a maximum grade of 18°. It ran from South Side Flats to Brownsville (Brosville) and Washington (Warrington) Avenues, at the top of the hill. The incline was located near the St. Clair to Brownsville (Brosville) and Washington (Warrington) Avenues, at the top of the hill. The tracks made an eighteen-degree curve for 350 ft at a point about 1,000 ft from the lower terminus. The cars were 16 x 47 ft on a triangular truck and were designed to carry fifty tons or more. The fare was only one cent, and there was very heavy travel both of foot passengers and wagons.

Today, anyone standing on the midspan on the bridge sees heavy stone retaining walls below and the trough through which the incline ran. A boy named Alan Schiller was killed while hanging from a car on December 3, 1960, the last day of operation. The Knoxville Incline was demolished in 1960.

Major cleanup by the South Side Slopes Neighborhood Association in 2005, removing over 200 tires.

Mural painted at the intersection of Brosville Street and E. Warrington Avenue in 2011.

The Knoxville Incline Overlook was created as a collaboration with GTECH in 2014.

The Knoxville Incline Greenway was officially dedicated on July 14, 2016.

For more information about Parks and Stewards visit the 311 Response Center or visit us on the web at http://pittsburghpa.gov/citiparks/.

References:
3. Photo by Frank B. Fairbanks Jr.
4. Courtesy of peoplemaps.esri.com

Image:

South Side Slopes Development Corporation
**Trail Head Marker**

Signs that identify the trail entrance displaying the trail name, regulations, map, difficulty legend, stewards, and city information.

**Use only for:**
Blue - Community Parks
Green - Greenways

**Identification:**
- Trail Name
- Mileage
- Difficulty

**Informational:**
- City Name
- Partners

**Directional:**
- Arrow (if needed)

**Trail Marker**

Signs used as an ID marker along a trail. Use trail markers only along trail circuits and where trails are long. They are to be spaced in even intervals, every 0.2 miles. The trail marker would display mileage, name, difficulty, and possible trail crossing.

**Use only for:**
Blue - Community Parks
Green - Greenways

**Identification:**
- Trail Name

**Informational:**
- Mileage
- Difficulty

**Directional:**
- Arrow (if needed)

**Mile Marker**

Signs that identify distance along a trail. They are to be placed in even intervals, every 0.2 miles.

**Use only for:**
Blue - Community Parks
Green - Greenways

**Informational:**
- Mileage

**Trail Entry**
16” x 32”

**Pathway**

*Image of a trail layout with various trail entry points and trail markers.*
**Vacant Lot**

To be printed on 1/4” thick gatorboard or other plastic material by steward.

Sign color to be PMS 448C brown.

Century Gothic font family

May be attached to fence, wall or post.

---

**Privately-owned Open Space**

To be dark gray vinyl on metal. 3M 7725-41 Dark Gray Match PMS Cool Grey 11c if printing on white vinyl.

Note: Logo shown to be used for all privately-owned open space.

Century Gothic font family

May be attached to fence, wall or post.
Tree Marker
Used to label tree species

Stone Mounted
Panel may be attached to a stone buried in the ground. Attach the sign panel with blind studs and LORD 406 adhesive.

Post Mounted
3/16” thick x 1.5”-2” wide steel or aluminum post. Bend at 30° angle. Attach sign panel to post with LORD 406 adhesive.

Stone Burial Guide
It should appear that 1/3 of the stone is visible above grade. No undercut is to be visible above grade.

Stone may be cut in half. This will allow for a shallower hole and footer. Also, the other half of the stone can be used to create another sign.
Temporary

Art Commission may be required, special DPW permits may be required.
Custom
Use these guidelines for developing custom sign layouts for Community Parks.
Does not apply for Neighborhood Parks, Riverfront Parks, Greenways, Vacant Lots, or Privately-owned Open Space.
Layouts must be approved by City of Pittsburgh Art Commission as well as City Planning and Department of Public Works.

Sizes
These sizes are based on the standard panels used in the Open Space Signage Standards 2016.

<table>
<thead>
<tr>
<th>Identification</th>
<th>Directional</th>
<th>Regulatory</th>
<th>Informational</th>
</tr>
</thead>
<tbody>
<tr>
<td>2'-0&quot; x 3'-0&quot;</td>
<td>1'-4&quot; x 1'-4&quot;</td>
<td>8&quot; x 8&quot; (x2)</td>
<td>1'-2&quot; x 1'-2&quot;</td>
</tr>
<tr>
<td>8&quot; x 1'-4&quot;</td>
<td></td>
<td>Note: Must be consistent with City Code language &amp; icons</td>
<td></td>
</tr>
<tr>
<td>1'-0&quot; x 1'-0&quot;</td>
<td></td>
<td></td>
<td>1'-0&quot; x 1'-0&quot;</td>
</tr>
<tr>
<td>*Not to exceed 3.3sf (vehicular)</td>
<td>*Not to exceed 1.8sf</td>
<td>*Not to exceed 1.1sf</td>
<td>*Not to exceed 6sf (interpretive)</td>
</tr>
<tr>
<td>*Not to exceed .87sf (pedestrian)</td>
<td></td>
<td>*Not to exceed 1.1sf</td>
<td>*Not to exceed 1sf (other uses)</td>
</tr>
</tbody>
</table>

Content
Must have regulatory messages (written + icons). As defined in Open Space Signage Standards 2016.

Fonts
Please see Section 2.0 of the Sign Standards Manual for standard font usage.

Materials
Always use permanent & water resistant materials such as aluminum, plastic, acrylic, polycarbonate, Sintra, etc.
Prints should be done with UV stable inks and sign faces should be built with UV stable substrates to prevent fading.
When possible, use materials that are non-porous and graffiti resistant.

Logos
Open Space logo must be present at a size of 8"x8".
The logo panel is not included in the above square footage allowances.
Use City Shield with 311 text.
All other entities are to be presented as plain text (no logo) and have some legal agreement with the City for that Open Space.

Existing Custom Open Space Signs
Allegheny Commons Park
Mellon Square Park
4.1 July 5, 2016 Open Space Pittsburgh Sign Standards

**Single Sided Panel with Single Post**

**Sign Panel**
- 0.080 inch ASTM B 209 (ASTM B 209M) aluminum sheet/plate OR 3mm Dibond PE aluminum composite material (ACM)
- For single sided Dibond signs, black back is to show
  - “Scotchcal” 3M non-reflective opaque vinyl film, or approved equivalent
  - Apply graffiti-proof laminate
  - Thickness shall be 0.003 inch minimum and 0.006 inch maximum, or as specified.
- The pigmented material shall be sufficiently opaque when applied to completely hide a contrasting white printed text on a blue surface.
- Properly processed and applied material shall withstand 5 years vertical, south facing, unprotected, exterior exposure at the work site with no appreciable deterioration such as cracking, checking, blistering, delamination, or loss of adhesion. The material will show no appreciable discoloration after cleaning.
- Shrinkage shall not exceed 1/64 inch (0.4mm) in any direction.
- Screen inks shall be “Scotchcal” brand opaque screen printing inks Series 3900, or approved equivalent.
- Press ink shall be “Scotchcal” brand letterpress inks Series 850, or approved equivalent.

**Hardware**
- See hardware details page
- Screw placement - as shown on artwork

**Foundation**
- See foundation details page.

**Installation**
- See drawing(s)
- Attach sign panel(s) to posts before installation in ground. This may be done with hardware or temporarily.
- Install signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance.

**Black Cap**
- Plastic or aluminum cap to be placed in end of post if under 6’ tall

---

**August Wilson Park Playground**

**Be curious**
Wander, wonder, and explore, while staying in the play area

**Be safe**
Use equipment as intended
No pushing, shoving, or rough stuff
Be careful when equipment is wet
Slide down feet first
Hot surfaces can burn

**Be respectful**
Use appropriate language
Include others and take turns
Maintain your personal space

**Be responsible**
Help keep your park clean.
Please report any accidents or damage

This play area is for everyone to enjoy, however there is an element of risk in all play. Parents and caregivers are required to supervise their children appropriately.

Chapter 473, City Code of Ordinances
Article XI: Parks and Playgrounds. Fines up to $300. All Federal, Pennsylvania, and City laws are enforced. The park is patrolled by Pittsburgh Police.

To report an emergency, call 911.
Double Sided Panel with Single Post

Sign Panel
- 0.080 inch ASTM B 209 (ASTM B 209M) aluminum sheet/plate or 3mm Dibond PE aluminum composite material (ACM)
- For single sided Dibond signs, black back is to show
- Apply vinyl to face as required.
  - "Scotchcal" 3M non-reflective opaque vinyl film, or approved equivalent
  - Apply graffiti-proof laminate
  - Thickness shall be 0.003 inch minimum and 0.006 inch maximum, or as specified.
- The pigmented material shall be sufficiently opaque when applied to completely hide a contrasting white printed text on a blue surface.
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- Screen inks shall be "Scotchcal" brand opaque screen printing inks Series 3900, or approved equivalent.
- Press ink shall be "Scotchcal" brand letterpress inks Series 850, or approved equivalent.

Hardware
- See hardware details page.
- Screw placement - as shown on artwork

Foundation
- See foundation details page.

Installation
- See drawing(s)
- Attach sign panel(s) to posts before instilation in ground. This may be done with hardware or temporarily.
- Install signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance.

Black Cap
- Plastic or aluminum cap to be placed in end of post if under 6’ tall

August Wilson Park
Playground
Be curious
Wander, wonder, and explore, while staying in the play area
Be safe
Use equipment as intended. No pushing, shoving, or rough stuff
Be careful when equipment is wet. Slide down feet first.
Hot surfaces can burn.
Be respectful
Use appropriate language.
Include others and take turns.
Maintain your personal space.
Be responsible
Help keep your park clean.
Please report any accidents or damage.

This play area is for everyone to enjoy, however there is an element of risk in all play. Parents and caregivers are required to supervise their children appropriately.

Chapter 473, City Code of Ordinances
Article XI: Parks and Playgrounds. Fines up to $300. All Federal, Pennsylvania, and City laws are enforced. The park is patrolled by Pittsburgh Police.
To report an emergency, call 911.
Single Sided Panel with Double Post

- **Sign Panel**
  - 0.080 inch ASTM B 209 (ASTM B 209M) aluminum sheet/plate or 3mm Dibond PE aluminum composite material (ACM)
  - For single sided Dibond signs, black back is to show
  - Apply vinyl to face as required.
  - “Scotchcal” 3M non-reflective opaque vinyl film, or approved equivalent
  - Apply graffiti-proof laminate
  - Thickness shall be 0.003 inch minimum and 0.006 inch maximum, or as specified.
  - The pigmented material shall be sufficiently opaque when applied to completely hide a contrasting white printed text on a blue surface.
  - Properly processed and applied material shall withstand 5 years vertical, south facing, unprotected, exterior exposure at the work site with no appreciable deterioration such as cracking, checking, blistering, delamination, or loss of adhesion. The material will show no appreciable discoloration after cleaning.
  - Shrinkage shall not exceed 1/64 inch (0.4mm) in any direction.
  - Screen inks shall be “Scotchcal” brand opaque screen printing inks Series 3900, or approved equivalent.
  - Press ink shall be “Scotchcal” brand letterpress inks Series 850, or approved equivalent.

- **Hardware**
  - See hardware details page
  - Screw placement - as shown on artwork

- **Foundation**
  - See foundation details page.

- **Installation**
  - See drawing(s)
  - Attach sign panel(s) to posts before installation in ground. This may be done with hardware or temporarily. Sign panel shall be flush with post edge.
  - Install signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance.

- **Black Cap**
  - Plastic or aluminum cap to be placed in end of post if under 6’ tall
Double Sided Panel with Double Post

- 0.080 inch ASTM B 209 (ASTM B 209M) aluminum sheet/plate or 3mm Dibond PE aluminum composite material (ACM)
- For single sided Dibond signs, black back is to show
- Apply vinyl to face as required.
  - "Scotchcal" 3M non-reflective opaque vinyl
  - Apply graffiti-proof laminate
- Thickness shall be 0.003 inch minimum and 0.006 inch maximum, or as specified.
- The pigmented material shall be sufficiently opaque when applied to completely hide a contrasting white printed text on a blue surface.
- Properly processed and applied material shall withstand 5 years vertical, south facing, unprotected, exterior exposure at the work site with no appreciable deterioration such as cracking, checking, blistering, delamination, or loss of adhesion. The material will show no appreciable discoloration after cleaning.
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- Screen inks shall be "Scotchcal" brand opaque screen printing inks Series 3900, or approved equivalent.
- Print ink shall be "Scotchcal" brand letterpress inks Series 850, or approved equivalent.

Hardware
- See hardware details page
- Screw placement - as shown on artwork

Foundation
- See foundation details page.

Installation
- See drawing(s)
- Attach sign panel(s) to posts before installation in ground. This may be done with hardware or temporarily. Sign panel shall be flush with post edge.
- Install signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance.

Black Cap
- Plastic or aluminum cap to be placed in end of post if under 6' tall
2” x 2” Post Mounting Details

Foundation
- Provide adequate concrete or reclaimed asphalt footer to support sign in given soil conditions
- Install deep enough to prevent heaving due to freeze-thaw cycle

Hardware
- See hardware details page
- 2x2 or 2.5x2.5 square tube aluminum post

Installation
- Remove excess fill, rock, and debris to finished surface grade level with existing elements and match surface treatment to surrounding area. Ensure that there are no holes or trip hazards and unsuitable excavation debris is removed and disposed off-site.
- Install signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance.

Direct Burial with Breakaway Post
- 2” x 2” Post
- Concrete or Reclaim Footer
- Direct Burial with Breakaway Post

Direct Burial without Breakaway Post
- 2” x 2” Post
- Concrete or Reclaim Footer
- Direct Burial without Breakaway Post

Attached to Existing Concrete
- 2” x 2” Post
- Mounting Plate
- Existing Concrete
- Attached to Existing Concrete
**Signs Attached to Masonry Walls**

**Removable Attachment**
(brick, CMU block, plaster, etc.)

- **Wall Mounting Details**
- **Section A**

*Elevation*

- **Sign Panel**
  - 0.080 inch ASTM B 209 (ASTM B 209M) aluminum sheet/plate OR 3mm Dibond PE aluminum composite material (ACM)
  - Apply vinyl to face as required.
  - Apply graffiti-proof laminate
  - Thickness shall be 0.003 inch minimum and 0.006 inch maximum, or as specified.
  - The pigmented material shall be sufficiently opaque when applied to completely hide a contrasting white printed text on a blue surface.
  - Properly processed and applied material shall withstand 5 years vertical, south facing, unprotected, exterior exposure at the work site with no appreciable deterioration such as cracking, checking, blistering, delamination, or loss of adhesion. The material will show no appreciable discoloration after cleaning.
  - Shrinkage shall not exceed 1/64 inch (0.4mm) in any direction.
  - Screen inks shall be "Scotchcal" brand opaque screen printing inks Series 3900, or approved equivalent.
  - Press ink shall be "Scotchcal" brand letterpress inks Series 850, or approved equivalent.

**Hardware**
- See hardware details page.
- 2x2 aluminum u-channel
- Screw placement as shown on artwork

**Attachment**
- Attach brackets and fittings securely to walls with concealed fasteners and anchoring devices to comply with manufacturer's written instructions

**Installation**
- See drawing(s)
- Install signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance. Sign panel shall be flush with channel edge.
Signs Attached to a Fence

- "Scotchcal" 3M non-reflective opaque vinyl
- Apply graffiti-proof laminate
- Thickness shall be 0.003 inch minimum and 0.006 inch maximum, or as specified.
- The pigmented material shall be sufficiently opaque when applied to completely hide a contrasting white printed text on a blue surface.
- Properly processed and applied material shall withstand 5 years vertical, south facing, unprotected, exterior exposure at the work site with no appreciable deterioration such as cracking, checking, blistering, delamination, or loss of adhesion. The material will show no appreciable discoloration after cleaning.
- Shrinkage shall not exceed 1/64 inch (0.4mm) in any direction.
- Screen inks shall be "Scotchcal" brand opaque screen printing inks Series 3900, or approved equivalent.
- Press ink shall be "Scotchcal" brand letterpress inks Series 850, or approved equivalent.

Hardware
- See hardware details page
- Screw placement - as shown on artwork

Attachment
- Sandwich the sign panel and back panel or 2x2 square aluminum tubes around fence and secure as specified

Installation
- See drawing(s)
- Install signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance. Sign panel shall be flush with post/bar edge.

Sign Panel
- 0.080 inch ASTM B 209 (ASTM B 209M) aluminum sheet/plate OR 3mm Dibond PE aluminum composite material (ACM)
- Apply vinyl to face as required.
- "Scotchcal" 3M non-reflective opaque vinyl film, or approved equivalent
- Apply graffiti-proof laminate
- Thickness shall be 0.003 inch minimum and 0.006 inch maximum, or as specified.
- The pigmented material shall be sufficiently opaque when applied to completely hide a contrasting white printed text on a blue surface.
- Properly processed and applied material shall withstand 5 years vertical, south facing, unprotected, exterior exposure at the work site with no appreciable deterioration such as cracking, checking, blistering, delamination, or loss of adhesion. The material will show no appreciable discoloration after cleaning.
- Shrinkage shall not exceed 1/64 inch (0.4mm) in any direction.
- Screen inks shall be "Scotchcal" brand opaque screen printing inks Series 3900, or approved equivalent.
- Press ink shall be "Scotchcal" brand letterpress inks Series 850, or approved equivalent.

Hardware
- See hardware details page
- Screw placement - as shown on artwork

Attachment
- Sandwich the sign panel and back panel or 2x2 square aluminum tubes around fence and secure as specified

Installation
- See drawing(s)
- Install signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance. Sign panel shall be flush with post/bar edge.

Sign Panel
- 0.080 inch ASTM B 209 (ASTM B 209M) aluminum sheet/plate OR 3mm Dibond PE aluminum composite material (ACM)
- Apply vinyl to face as required.
- "Scotchcal" 3M non-reflective opaque vinyl film, or approved equivalent
- Apply graffiti-proof laminate
- Thickness shall be 0.003 inch minimum and 0.006 inch maximum, or as specified.
- The pigmented material shall be sufficiently opaque when applied to completely hide a contrasting white printed text on a blue surface.
- Properly processed and applied material shall withstand 5 years vertical, south facing, unprotected, exterior exposure at the work site with no appreciable deterioration such as cracking, checking, blistering, delamination, or loss of adhesion. The material will show no appreciable discoloration after cleaning.
- Shrinkage shall not exceed 1/64 inch (0.4mm) in any direction.
- Screen inks shall be "Scotchcal" brand opaque screen printing inks Series 3900, or approved equivalent.
- Press ink shall be "Scotchcal" brand letterpress inks Series 850, or approved equivalent.

Hardware
- See hardware details page
- Screw placement - as shown on artwork

Attachment
- Sandwich the sign panel and back panel or 2x2 square aluminum tubes around fence and secure as specified

Installation
- See drawing(s)
- Install signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance. Sign panel shall be flush with post/bar edge.
Signs Attached to Lamp Posts & Telephone Poles

Prior to installing this sign type, ensure the lamp post or telephone pole can sustain the additional wind load created by the sign face. Ensure conformity with local codes prior to installation.

Verify that the sign does not interfere with climbing pegs, access plates or any other vital component of the lamp post or telephone pole.

**Sign Panel**
- 0.080 inch ASTM B 209 (ASTM B 209M) aluminum sheet/plate OR 3mm Dibond PE aluminum composite material (ACM)
- For single sided Dibond signs, black back is to show
- Apply vinyl to face as required:
  - "Scotchcal" 3M non-reflective opaque vinyl film, or approved equivalent
  - Apply graffiti-proof laminate
  - Thickness shall be 0.003 inch minimum and 0.006 inch maximum, or as specified.
  - The pigmented material shall be sufficiently opaque when applied to completely hide a contrasting white printed text on a blue surface.
  - Properly processed and applied material shall withstand 5 years vertical, south facing, unprotected, exterior exposure at the work site with no appreciable deterioration such as cracking, checking, blistering, delamination, or loss of adhesion. The material will show no appreciable discoloration after cleaning.
  - Shrinkage shall not exceed 1/64 inch (0.4mm) in any direction.
  - Screen inks shall be "Scotchcal" brand opaque screen printing inks Series 3900, or approved equivalent.
  - Press ink shall be "Scotchcal" brand letterpress inks Series 850, or approved equivalent.

**Hardware**
- Screw placement - as shown on artwork
- For black poles, use black straps. For brown, metal, galvanized, or stainless poles, use stainless straps.
- Bolt strap bracket, as shown

**Attachment**
- Attach bracket to post/pole with metal straps at appropriate positions to sign.

**Installation**
- See drawing(s)
- Verify that sign does not interfere with climbing pegs, access plates, or any other vital component of the post/pole
- Install signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance.
**Sign Standards**

4.9 July 5, 2016 Open Space Pittsburgh Sign Standards

**Lamp Post & Telephone Pole Mounting Details**

*NOTE*
Prior to installing this sign type, ensure the lamp post or telephone pole can sustain the additional wind load created by the sign face.

Ensure conformity with local codes prior to installation.

Verify that the sign does not interfere with climbing pegs, access plates or any other vital component of the lamp post or telephone pole.

**Sign Panel**
- 0.080 inch ASTM B 209 (ASTM B 209M) aluminum sheet/plate OR 3mm Dibond PE aluminum composite material (ACM)
- For single sided Dibond signs, black back is to show
- Apply vinyl to face as required:  
  - "Scotchcal" 3M non-reflective opaque vinyl film, or approved equivalent
  - Apply graffiti-proof laminate
  - Thickness shall be 0.003 inch minimum and 0.006 inch maximum, or as specified.
- The pigmented material shall be sufficiently opaque when applied to completely hide a contrasting white printed text on a blue surface.
- Properly processed and applied material shall withstand 5 years vertical, south facing, unprotected, exterior exposure at the work site with no appreciable deterioration such as cracking, checking, blistering, delamination, or loss of adhesion. The material will show no appreciable discoloration after cleaning.
- Shrinkage shall not exceed 1/64 inch (0.4mm) in any direction.
- Screen inks shall be “Scotchcal” brand opaque screen printing inks Series 3900, or approved equivalent.
- Press ink shall be “Scotchcal” brand letterpress inks Series 850, or approved equivalent.

**Hardware**
- Screw placement - as shown on artwork
- For black poles, use black straps. For brown, metal, galvanized, or stainless poles, use stainless straps.
- Bolt strap bracket, as shown

**Attachment**
- Attach bracket to post/pole with metal straps at appropriate positions to sign.

**Installation**
- See drawing(s)
- Verify that sign does not interfere with climbing pegs, access plates, or any other vital component of the post/pole
- Install signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance.

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**Signs Attached to Lamp Posts & Telephone Poles**

*Elevation*

South Side Park

Post/Pole

Bracket

Metal Strap

Sign Panel

Varies

**Section A**

South Side Park

Post/Pole

Bracket

Metal Strap

Sign Panel

5'-0''

**Schematic**

Bolt Strap Bracket (sign face removed)

Metal Strap
### Single Sided Panel with Wood Posts

**Sign Panel**
- 0.080 inch ASTM B 209 (ASTM B 209M) aluminum sheet/plate OR 3mm Dibond PE aluminum composite material (ACM)
- For single sided Dibond signs, black back is to show
- Apply vinyl to face as required.

**Sign Panel**
- Thickness shall be 0.003 inch minimum and 0.006 inch maximum, or as specified.
- The pigmented material shall be sufficiently opaque when applied to completely hide a contrasting white printed text on a blue surface.
- Properly processed and applied material shall withstand 5 years vertical, south facing, unprotected, exterior exposure at the work site with no appreciable deterioration such as cracking, checking, blistering, delamination, or loss of adhesion. The material will show no appreciable discoloration after cleaning.
- Shrinkage shall not exceed 1/64 inch (0.4mm) in any direction.
- Screen inks shall be "Scotchcal" brand opaque screen printing inks Series 3900, or approved equivalent.
- Press ink shall be "Scotchcal" brand letterpress inks Series 850, or approved equivalent.

**Hardware**
- See hardware details page
- Screw placement - as shown on artwork

**Foundation**
- See foundation details.
- Provide adequate concrete or reclaim asphalt footer to support sign in given soil conditions
- Install deep enough to prevent heaving due to freeze-thaw cycle, as shown

**Installation**
- See drawing(s)
- Attach sign panel(s) to posts before instilation in ground. This may be done with hardware or temporarily. Sign panel shall be flush with post edge.
- Sign panels may be attached to existing posts & fences in the same way. Attach the sign panel to the existing wood fence or post with appropriate hardware.
- Install signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance.
- Remove excess fill, rock, and debris to finished surface grades level with existing elements and match surface treatment to surrounding area. Ensure that there are no holes or trip hazards and unsuitable excavation debris is removed and disposed off-site.

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### Two Sided Panel with Wood Posts

**Sign Panel**
- See foundation details.
- Provide adequate concrete or reclaim asphalt footer to support sign in given soil conditions
- Install deep enough to prevent heaving due to freeze-thaw cycle, as shown

**Hardware**
- See foundation details.
- Provide adequate concrete or reclaim asphalt footer to support sign in given soil conditions
- Install deep enough to prevent heaving due to freeze-thaw cycle, as shown

**Installation**
- See drawing(s)
- Attach sign panel(s) to posts before instilation in ground. This may be done with hardware or temporarily. Sign panel shall be flush with post edge.
- Sign panels may be attached to existing posts & fences in the same way. Attach the sign panel to the existing wood fence or post with appropriate hardware.
- Install signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance.
- Remove excess fill, rock, and debris to finished surface grades level with existing elements and match surface treatment to surrounding area. Ensure that there are no holes or trip hazards and unsuitable excavation debris is removed and disposed off-site.
**Wood Post Mounting Details**

**Sign Panel**
- 0.080 inch ASTM B 209 (ASTM B 209M) aluminum sheet/plate OR 3mm Dibond PE aluminum composite material (ACM)
- For single sided Dibond signs, black back is to show
- Apply vinyl to face as required.
  - “Scotchcal” 3M non-reflective opaque vinyl film, or approved equivalent
  - Apply graffiti-proof laminate
  - Thickness shall be 0.003 inch minimum and 0.006 inch maximum, or as specified.
- The pigmented material shall be sufficiently opaque when applied to completely hide a contrasting white printed text on a blue surface.
- Properly processed and applied material shall withstand 5 years vertical, south facing, unprotected, exterior exposure at the work site with no appreciable deterioration such as cracking, checking, blistering, delamination, or loss of adhesion. The material will show no appreciable discoloration after cleaning.
- Shrinkage shall not exceed 1/16 inch (0.4mm) in any direction.
- Screen inks shall be “Scotchcal” brand opaque screen printing inks Series 3900, or approved equivalent.
- Press ink shall be “Scotchcal” brand letterpress inks Series 850, or approved equivalent.

**Hardware**
- See hardware details page
- Screw placement - as shown on artwork

**Foundation**
- See foundation details.
- Provide adequate concrete or reclaim asphalt footer to support sign in given soil conditions
- Install deep enough to prevent heaving due to freeze-thaw cycle, as shown

**Installation**
- See drawing(s)
- Attach sign panel(s) to posts before installation in ground.
  This may be done with hardware or temporarily.
- Sign panels may be attached to existing posts & fences in the same way. Attach the sign panel to the existing wood fence or post with appropriate hardware.
- Remove excess fill, rock, and debris to finished surface grades level with existing elements and match surface treatment to surrounding area. Ensure that there are no holes or trip hazards and unsuitable excavation debris is removed and disposed off-site.
- Install signs level, plumb, and at the height indicated, with sign surfaces free from distortion or other defects in appearance.
**Posts/Supports**

- **2" x 2" Aluminum Post**
  - (non-painted)
  - See details for length
  - Fastener holes shall be predrilled in posts.

- **2" x 2" U-Channel (galvanized or aluminum)**
  - See details for length
  - Fastener holes shall be predrilled in channel

- **2.5" x 2.5" 30" Stub**

- **4" x 4" Treated Wood Post**
  - See details for length
  - Fastener holes shall be predrilled in posts.
  - For the purposes of this document, wood treatment means the wood is preserved with an EPA approved pesticide or fungicide. Treated wood shall be pressure treated. Wood for ground contact use shall be incised, and for above ground use it shall be non-incised.

- **6" x 6" Treated Wood Post**
  - See details for length
  - Fastener holes shall be predrilled in posts.
  - For the purposes of this document, wood treatment means the wood is preserved with an EPA approved pesticide or fungicide. Treated wood shall be pressure treated. Wood for ground contact use shall be incised, and for above ground use it shall be non-incised.

**Fasteners**

- Shall be hot dipped galvanized or stainless, unless noted.

- **Black Acorn Nuts**

- **Black Domed Screws**

- **White Domed Screws**

- **FastenMaster HeadLok Screws**
  - (model # FMHLGM278-12)

- **Wall Anchor**
Sign Maintenance Standards

The following are recommendations for repair and replacement to ensure the sign system continues to function the way in which it was designed.

Screws and bolts must be tightened periodically. Check for missing screws, nuts and bolts. Since these tend to get lost during maintenance procedures.

Damaged bolts and screws must be replaced immediately.

Review signs for structural wear or damage, i.e., rusting that threatens the structural integrity of the sign. Damaged signs that may present a hazard should be removed and replaced immediately.

The following conditions may shorten the lifespan, damage or destroy a sign or its components. Consider these factors when placing a sign. If it is not possible to avoid these factors, consider materials more suitable to withstand their effects.

Heat
Heat can cause coatings to discolor, fade, blister and burn off.

Moisture
This problem may include exposure to steam, humidity, condensation or immersion in water. Moisture can warp, corrode and dissolve sign components and coatings.

Impact
Coatings and sign components may chip, scratch or break if impacted by debris and larger objects, such as mowers, sports equipment, cars, etc.

Sun Damage
Certain materials last longer than others under prolonged exposure to the sun’s ultraviolet radiation. Consider material application for signs under constant, direct sunlight.

Bonding metal to metal with adhesive
Certain sign construction procedures in the manual call for attaching two or more metal surfaces with adhesive. The following list of adhesives may be suitable for the job:

- LORD 406
- 3M 08115 panel bonding adhesive
- JB Weld
- OZ Welder Professional Adhesive 730657

Test the above adhesives prior to long term, systemic use.

Aluminum & Painted Aluminum
Aluminum surfaces are easily cleaned using mild soaps, detergents or solvents applied to the surface with a soft cloth or sponge. For more stubborn stains, solvents such as Bestine or acetone may be applied to the surface with a soft cloth. Quickly wipe the stained area, allowing the solvent on the sign to fully evaporate before wiping again. However, extensive use of acetone may cause painted surfaces to fade and lose their luster. Observe all state local guidelines for using such substances.

Avoid using acetone or other harsh chemicals on vinyl.

Sign Removal, Replacement & Recycling
The modular nature of the sign system allows for component parts to be replaced as they are updated or if they become damaged.

Instead of replacing an entire sign, individual panels can be replaced.

Save and refurbish any materials such as hardware, posts or panels that are in acceptable condition. Acceptable condition means objects are free of corrosion, dents, bends, fading, abrasive damage, etc.

Entire signs may be replaced if they become damaged or vandalized.

Do not leave remnants of the sign’s footers/foundation or posts. Remove all components of the sign and return the landscape to its previous condition. Fill and grade any holes left in the landscape after a sign and its footers/foundation have been removed.

Most of the sign components are aluminum or steel and can be sent to a scrap yard instead of a landfill.