Design Standards

August 24, 2007

FIRECLAY TOD

FIRECLAY TOD DESIGN STANDARDS

The following Design Standards have been established in order to create a consistent visual theme throughout the Murray Fireclay TOD/Redevelopment Area. The standards have been divided into three primary sections: Streetscape, Landscape, and Monumentation. Each section contains standards that must be followed within the Fireclay TOD, and recommendations which provided examples:

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Photographs and drawings are shown of the particular items that should be specified in each new development proposal within the district. These images are shown as specific guides on style, finish, and material types. However, no particular manufacturers have been identified (except where an existing city standard exists, and any combination of comparable equals would be accepted. Attachment A consists of product cut-sheets from specific manufacturers that could be used for comparison.

Design Standards

STREETSCAPE

TREE GRATES

TREE GRATE SPECIFICATIONS

Material:
Cast Iron

Finish:
Raw cast iron grey

Size:
5' SQ

Placement/Spacing:
30' - 50' spacing on center

Application:
Optional on Principal streets, and other approved locations

TREE GUARDS

TREE GUARD SPECIFICATIONS

Materials:
Fabricated steel construction

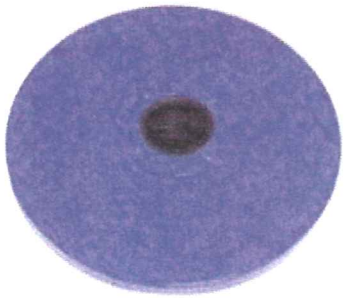
Finish:
Black high polish Powdercoat

Size:
16" diameter
5' height

Placement/Spacing:
30' - 50' spacing on center

Application:
Optional on Principal streets, and other approved locations

TRASH/RECYCLING RECEPTACLES



Recycle Lid
For side-by-side receptacles

TRASH RECEPTACLE SPECIFICATIONS

Materials:
Fabricated steel construction

Finish:
Black high polish Powdercoat

Size:
36" diameter
48" height

Placement/Spacing:
Minimum of 2 per block face, unless otherwise approved by the City

Application:
All Principal streets, and other approved locations

BOLLARDS

BOLLARD SPECIFICATIONS

Materials:
Cast steel

Finish:
Black high gloss Powdercoat.

Size:
4" diameter
36" height

Mounting Options:
Cast-in, Bolt-down (surface mount), or Removable.

Placement/Spacing:
Minimum 4' spacing, Maximum 6' spacing

Application:
All Principal street intersections, and other approved locations

BENCHES

BENCH SPECIFICATIONS

Materials:
Ductile cast iron end frames, steel straps

Finish:
Black high gloss Powdercoat

Size:
5/16" x 1 ½" wide straps
6' length

Placement/Spacing:
Minimum of 3 per block face

Application:
All Principal streets, and other approved locations

PLANTERS

PLANTER SPECIFICATIONS

Materials:
Concrete

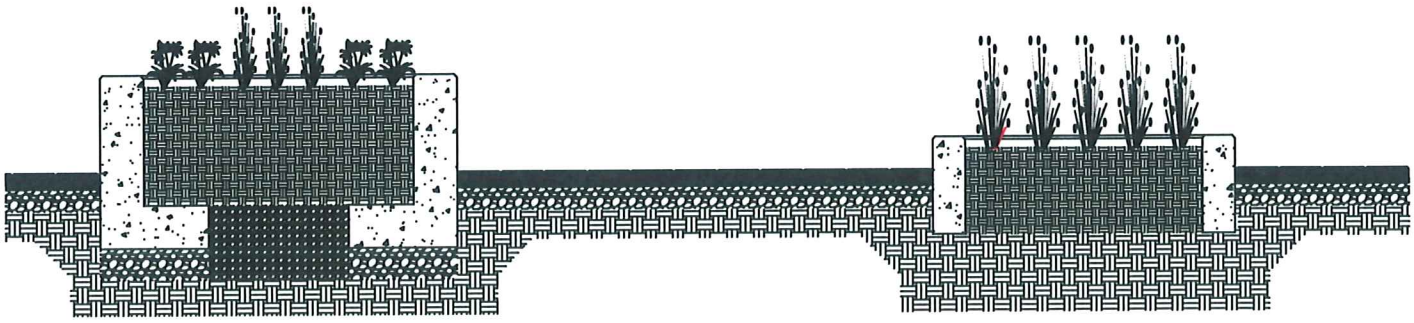
Finish:
Natural concrete color and texture. No stamping or staining

Size:
Planter Option A
6" high, 6" depth
Planter length and width will vary

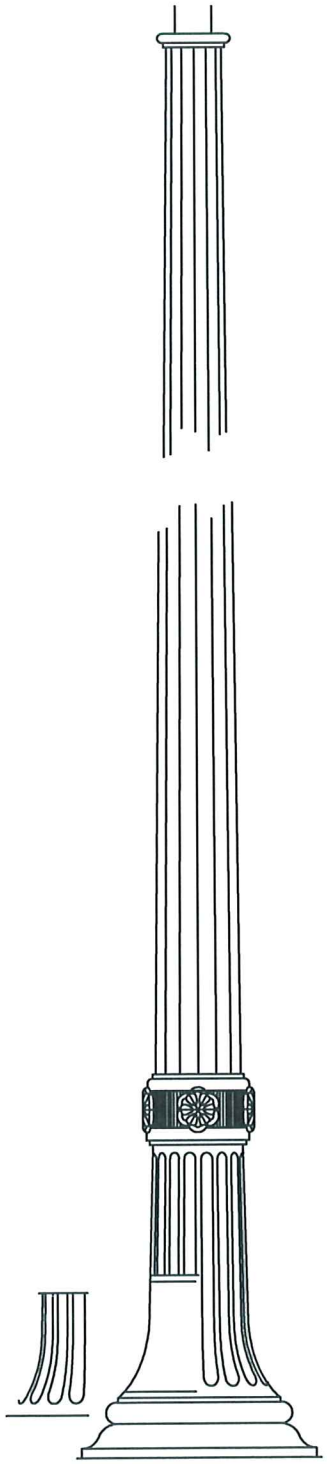
Planter Option B
18" high, 10" depth
Planter length and width will vary

Placement/Spacing:
Option in place of tree grate
Planter Option A - 30' - 50' spacing on center
Planter Option B - Maximum of 2 per block face

Application:
All Principal streets, and other approved locations



LIGHTING FIXTURES



LIGHTING SPECIFICATIONS

Manufacturer:
Holophane

Model Series:
Utility Washington Postlite Luminare (WAU-product nubmer)
North Yorkshire Pole (NY13/20-CIS/BK)

Materials:
Cast iron & steel pole
Glass and cast aluminum luminare

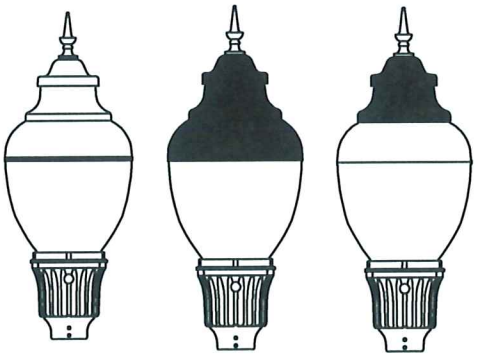
Finish:
Black trim on luminare
Black pole finish

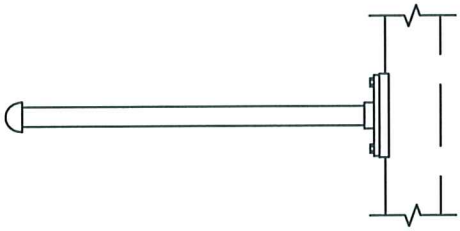
Pole Size:
15' pole height
20" diameter base

Accessories/Notes:
Banner arms (BA24H/1/BO)
Single lamp, rather than the double

Placement/Spacing:
Principal Street - 30' - 50' spacing on center stagger with landscaping
Non-principal Streets - spacing to meet minimum required lighting levels

Application:
All streets, and other approved locations





BICYCLE RACKS

BICYCLE RACK SPECIFICATIONS

Materials:
Steel tubing

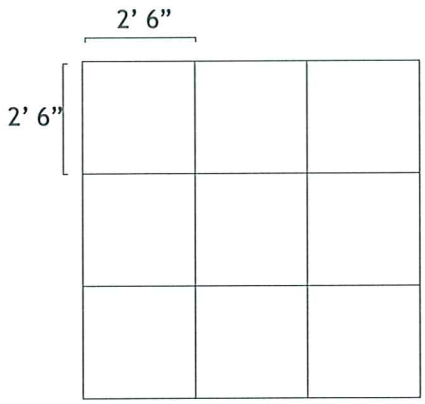
Finish:
Black semi-gloss Powdercoat

Size:
1-1/2" diameter tubing, 27 ½" wide, 32" high.

Placement/Spacing:
Install in groups of three minimum, seven maximum.
Minimum one group per block face

Application:
All Principal streets, and other approved locations

PAVING PATTERNS & PAVERS



PAVING ACCENT SPECFICATIONS

Materials:
Varies. May be brick, stained concrete, or other paving material as long as the surface and seams are smooth as to not impede

Applications:
Approved locations. Paving accents are to be used to articulate building entries, pedestrian crosswalks, plazas, or

Patterns:
Paving accents should follow a 2' 6" grid, or other 2' 6" modular pattern variation.

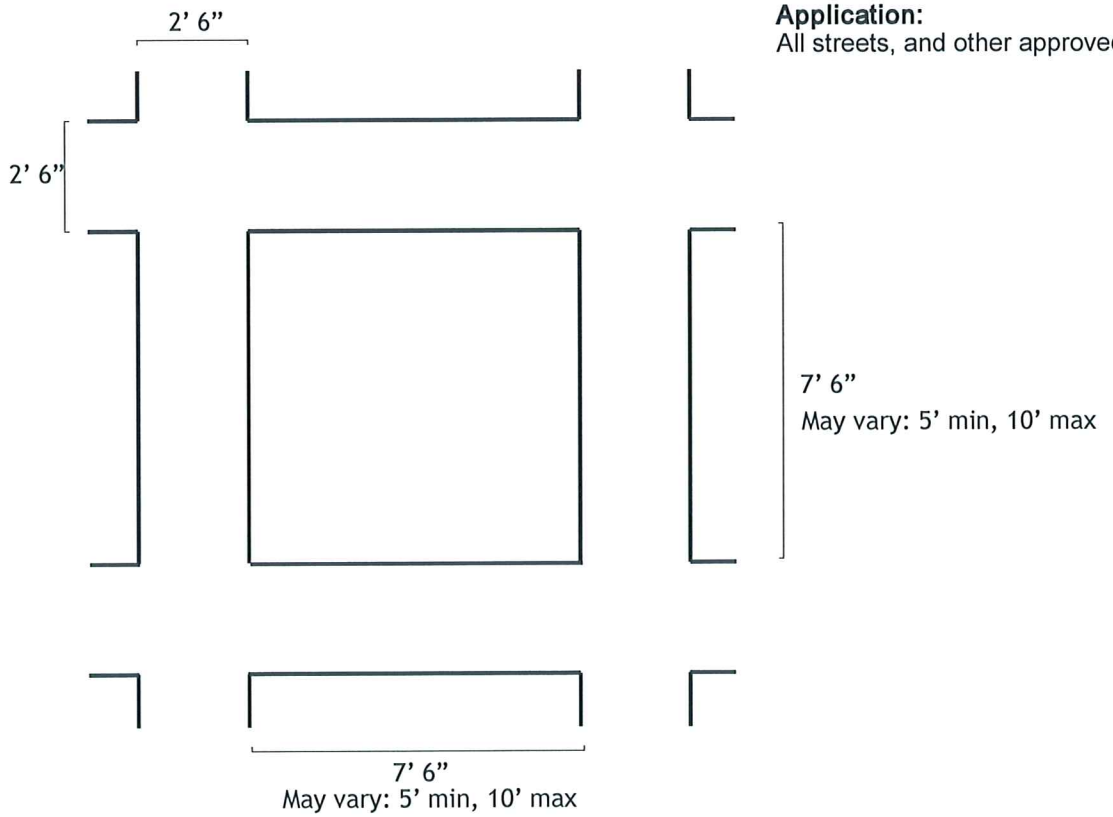
PAVING PATTERN SPECIFICATIONS

Materials:
Concrete

Finish:
Natural concrete, may stain. No stamping.

Scoring Patterns:
2' 6" grid, or as shown in detail below

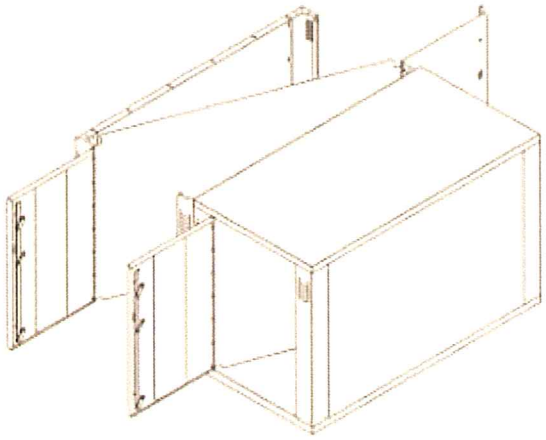
Application:
All streets, and other approved locations



Recommendations

STREETSCAPE

BICYCLE LOCKERS



BICYCLE LOCKER SPECIFICATIONS

Materials:
Solid steel top with perforated steel walls

Finish:
Black high gloss Powdercoat.

Size:
47" height
76"' length
39"' width

Additional Notes:
2 bicycles per modular unit
Stackable
Padlocking handles

INFORMATIONAL KIOSKS

KIOSK SPECIFICATIONS

Materials:
Steel or aluminum construction

Finish:
Black high gloss Powdercoat.

Size:
Variable

Notes:
Kiosks may be a custom design and do not need to match the photograph to the left. However, kiosks must be of a similar level of quality.

CLOCK

CLOCK SPECIFICATIONS

Materials:
Cast iron post

Finish:
Black high gloss Powdercoat.

Notes:
Clocks may be a custom design and do not need to match the photograph and drawing to the left. However, clocks must be of a similar level of quality.

Design Standards

LANDSCAPE

SPECIES LIST

Street Tree List:

East - West Streets:
Pacific Sunset Maple and Red Spire Pear

North - South Streets:
Zelkova and Aristocrat Pear

Planted Medians:
London Plane, Red Maple and Burr Oak

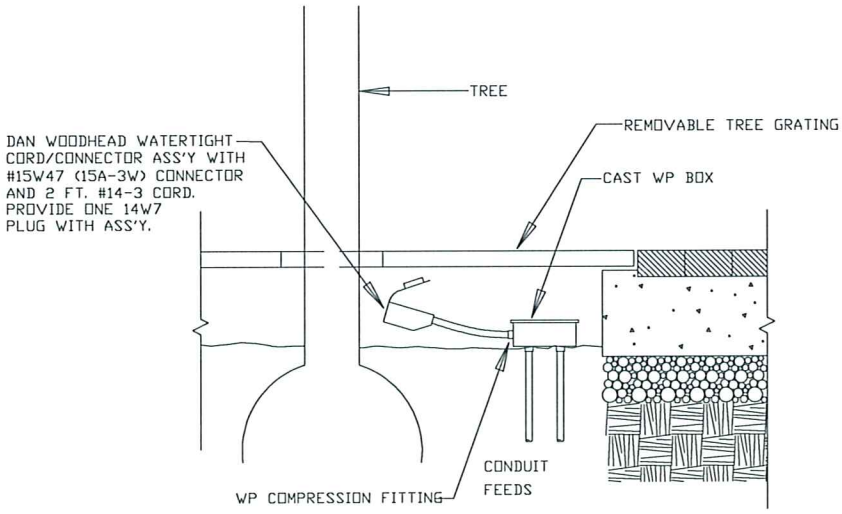
Open Spaces along Couplet Streets:
Bur Oak and Red Maple

Additional Medium Shade Trees-
for use in public and private open spaces::
Canada Red Choke Cherry
Tatarian Maple
Flame Maple
Western Redbud
Amur Maple
Forest Pansy Eastern Redbud
Thornless Honeylocust
Red Barron Crabapple
Chanticleer Pear

Planting/Spacing:
30'- 50' spacing on all street trees

Plant Schedule:

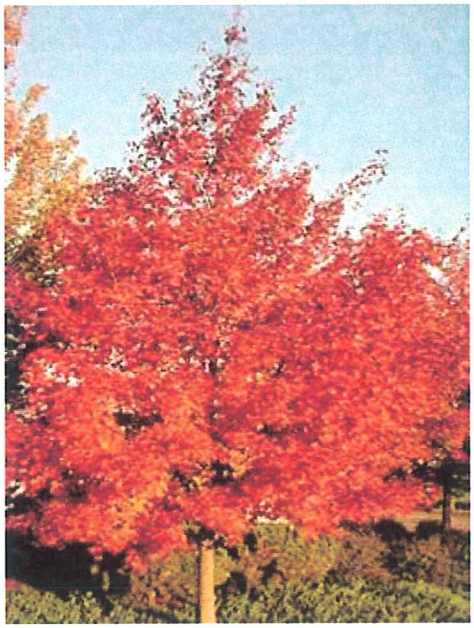
Deciduous Shrubs		
Ruby Carousel Barberry	2 Gal.	3 ft spacing
Green Velvet Boxwood	2 Gal.	3 ft spacing
Ivory Halo Dogwood	2 Gal.	4 ft spacing
Hancock Coralberry	2 Gal.	4 ft spacing
Evergreen Shrubs		
Trailing Euonymus	1 Gal	3 ft spacing
Moonshadow Euonymus	1 Gal	3 ft spacing
Otto Luyken Laurel	3 Gal	4 ft spacing
Dwarf Periwinkle	flat	12" spacing
Ornamental Grasses		
Karl Foerster Feather Grass	1 Gal	3 ft spacing
Varigated Maiden Grass	1 Gal	5 ft spacing
Fountain Grass	1 Gal	4 ft spacing
Perennials		
Woodside Ruby Daylilly	1 Gal	2.5 ft spacing



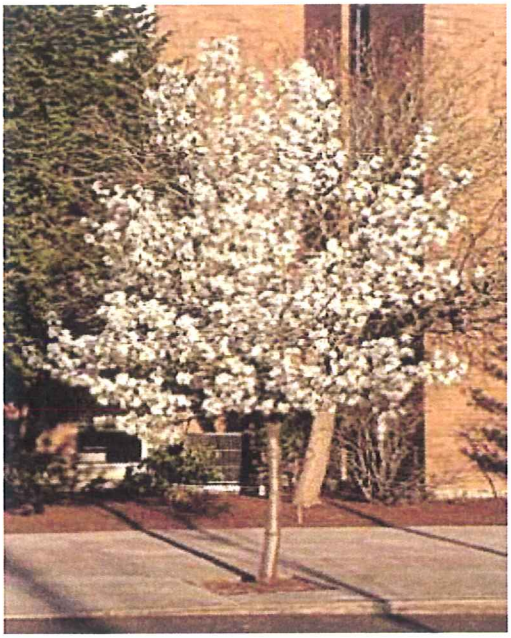
TREE GRATE RECEPTACLE

Power should be installed in tree grates following the above detail.

Street Trees
East - West Streets:



Pacific Sunset Maple



Red Spire Pear

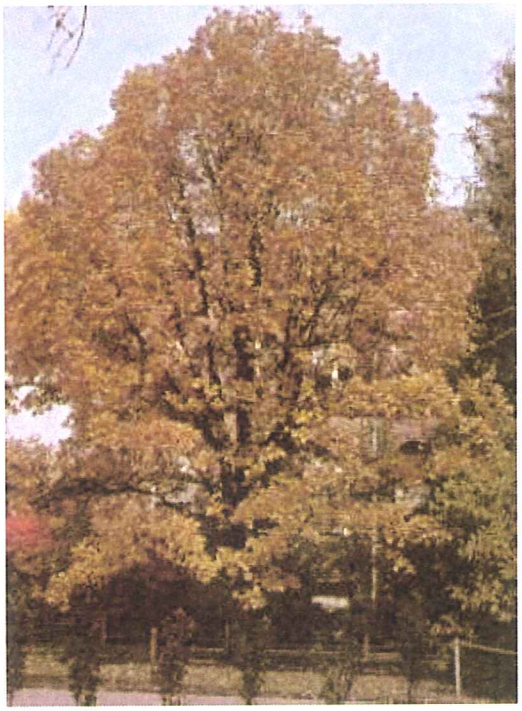
Street Trees
North - South Streets:

Zelkova

Aristocrat Pear

Street Trees
Planted Medians:

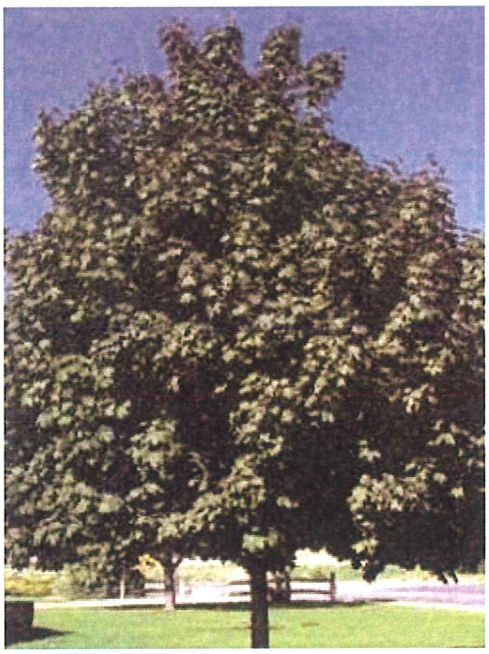
London Plane



Burr Oak

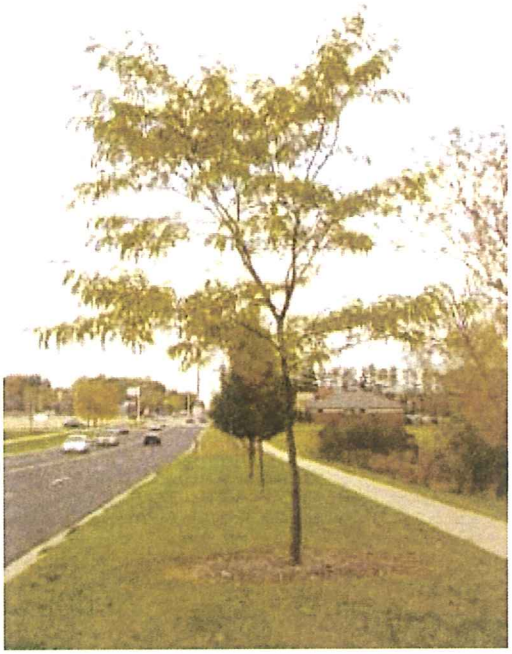
Red Maple

Additional Medium Sade Trees
For use in public and private open spaces



Amur Maple

Tatarian Maple



Imperial Honeylocust

Chanticleer Pear

Additional Medium Sade Trees
For use in public and private open spaces

Canada Red Choke Cherry

Western Redbud

Red Barron Crabapple

Forest Pansy Eastern Redbud

Additional Medium Sade Trees
For use in public and private open spaces

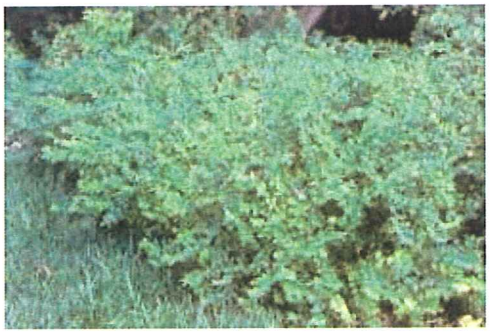
Flame Maple

Deciduous Shrubs

Green Velvet Boxwood

Ruby Carousel Barberry

Ivory Halo Dogwood



Hancock Coralberry

Evergreen Shrubs

Moonshadow Euonymus

Otto Luyken Laurel

Dwarf Periwinkle

Trailing Euonymus

Ornamental Grasses

Variegated Maiden Grass

Karl Foerster Feather Grass

Fountain Grass

Perennials

Woodside Ruby Daylilly

Recommendations

LANDSCAPE

DRINKING FOUNTAINS

DRINKING FOUNTAIN SPECIFICATIONS

Materials:
Cast aluminum or steel base, bronze basin

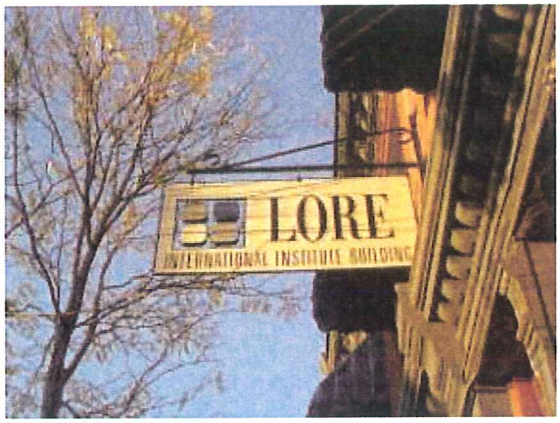
Finish:
Black high gloss Powdercoat.

Application:
Park space, and other approved locations

Design Standards

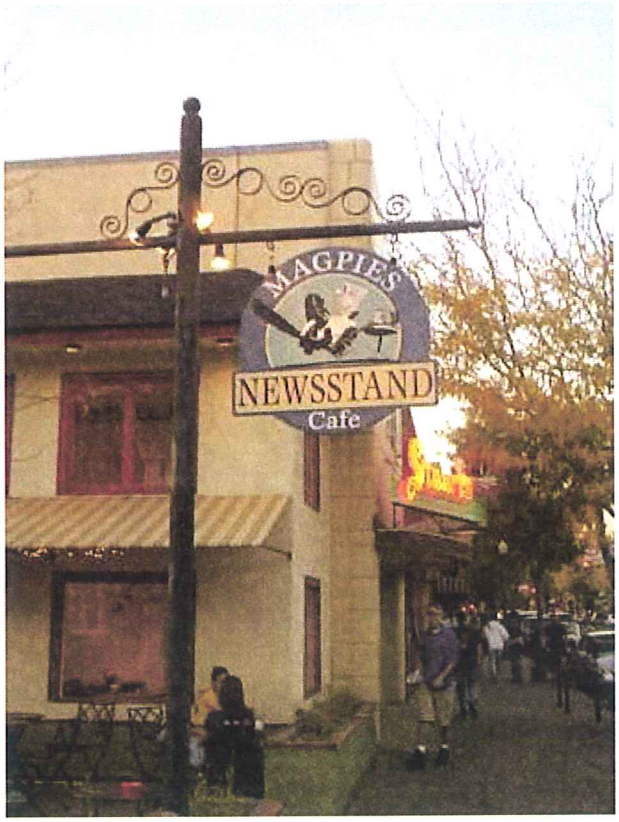
MONUMENTATION

PEDESTRIAN ORIENTED RETAIL & OFFICE SIGNAGE



RETAIL & OFFICE SIGNAGE RECOMMENDATIONS

Notes:
Retail and office signage in the Murray Fireclay TOD/Redevelopment Area should be pedestrian oriented. The City should consider modifying the City's sign and TOD ordinances to allow for blade or sidewalk monument signs in this district.



STREET SIGNAGE

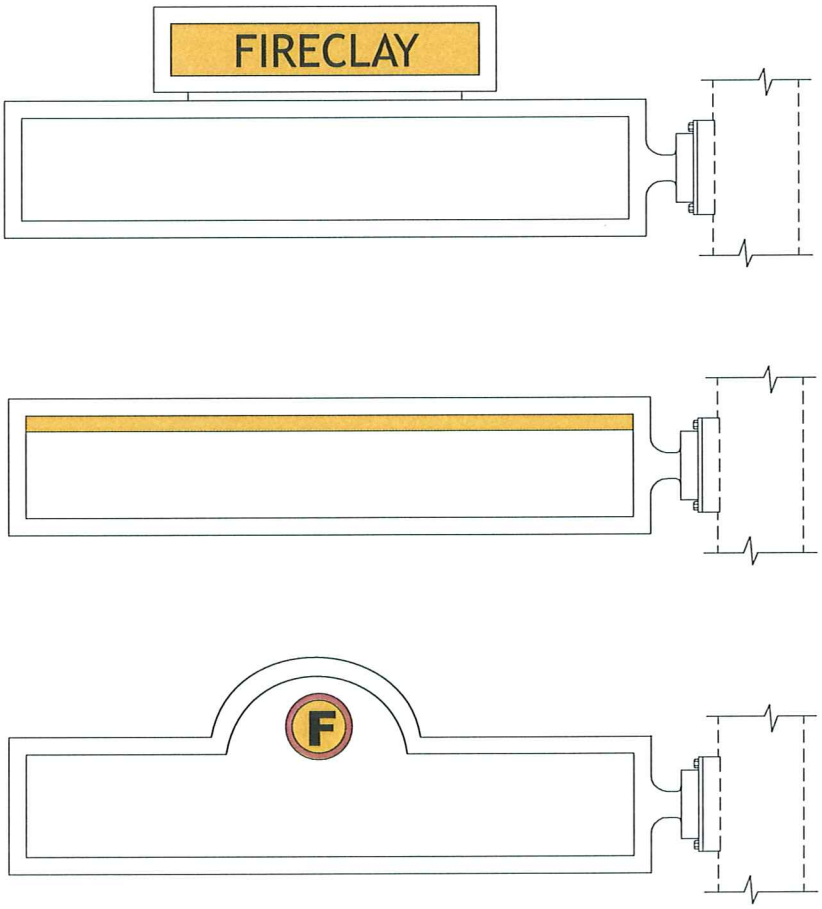
SIGNAGE SPECIFICATIONS

Finish:
Black trim on signs
Black pole finish

Notes:
Signs fabricated at Murray City's Sign Shop.

Street sign graphics should be developed as part of a district branding process.

Street Naming Conventions:
All East-West streets should be called "Avenues".
All North-south Streets should be called "Lanes" or "Drives," with the exceptions of Boulevards and Promenades.



Recommendations

MONUMENTATION

WAYFINDING SIGNAGE

SIGNAGE SPECIFICATIONS

Finish:
Black trim on signs
Black pole finish

Notes:
Signs fabricated at Murray City's Sign Shop.

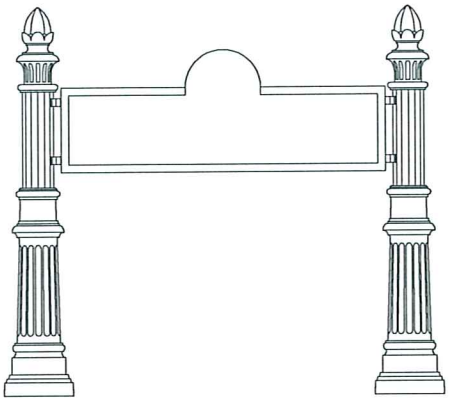
Wayfinding signage and all sign graphics should be developed as part of a district branding process.

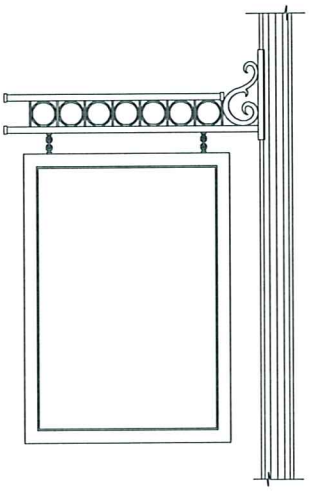
The photograph below is an example of wayfinding signage, the actual signs selected for the Fireclay TOD do not need to match this example exactly, but should be of a similar level of quality and appearance.

DISTRICT MONUMENTATION

MONUMENTATION SPECIFICATIONS

Notes:
Murray Fireclay TOD/Redevelopment Area monumentation will be developed as part of a district branding process. However, monumentation features may include hanging blade signs, stone monuments, or other types of signs. Below are a few examples which





OTHER SIGNAGE OPTIONS

OTHER SIGNAGE OPTIONS

Pole Manufacturer:
Holophane

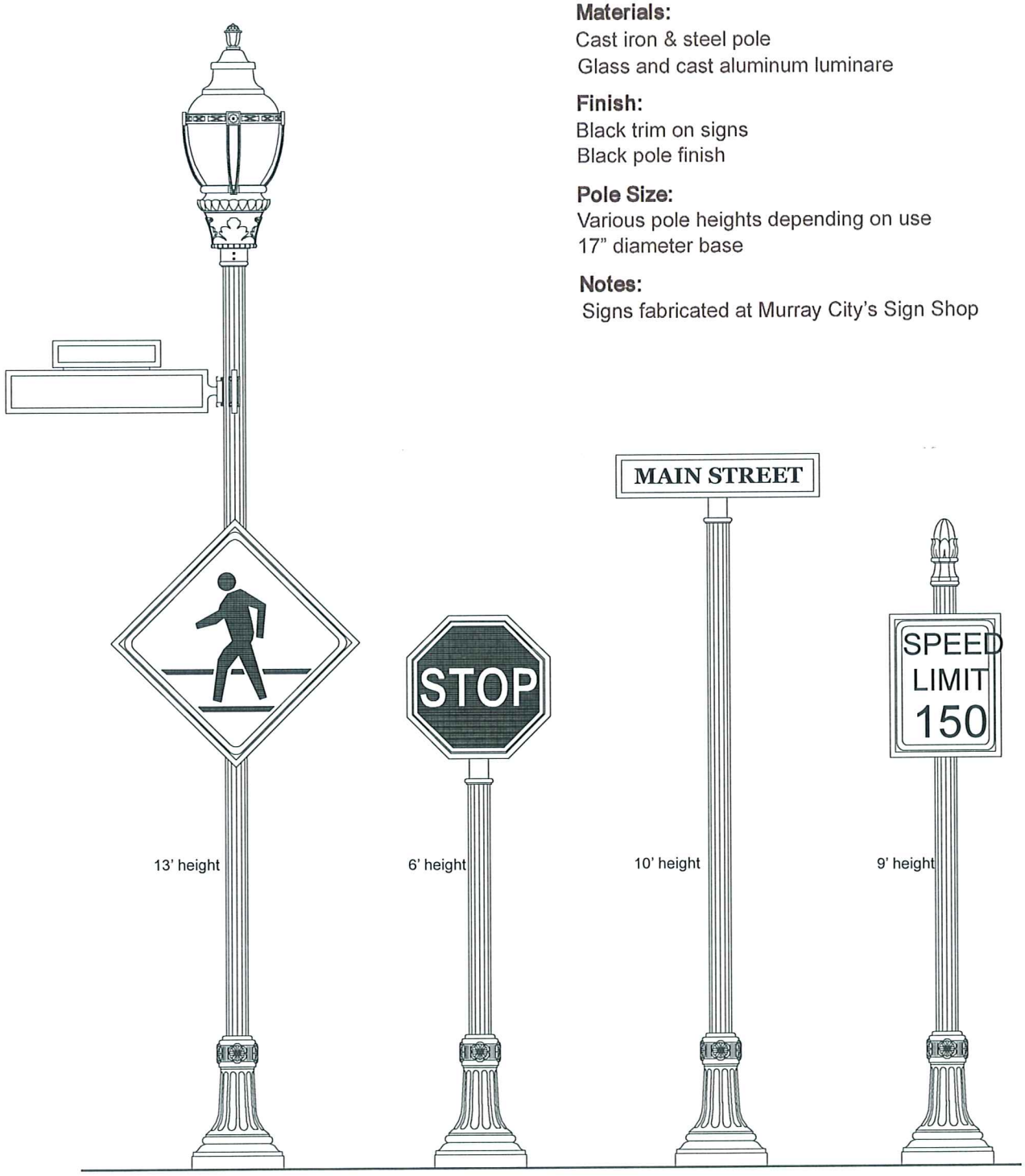
Model Series:
North Yorkshire Pole

Materials:
Cast iron & steel pole
Glass and cast aluminum luminare

Finish:
Black trim on signs
Black pole finish

Pole Size:
Various pole heights depending on use
17" diameter base

Notes:
Signs fabricated at Murray City's Sign Shop



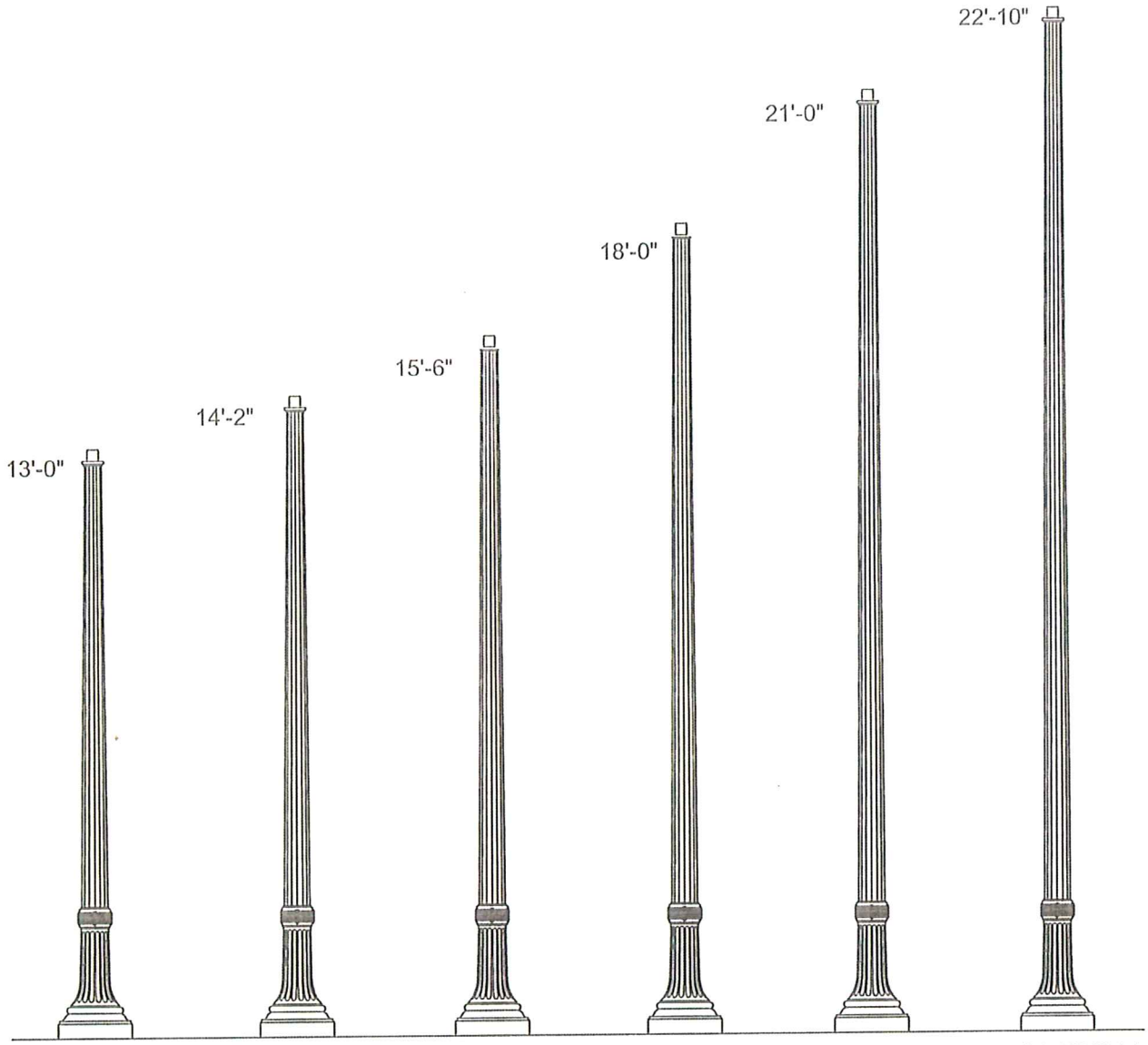
Sample Products

ATTACHMENT A

Cast Iron & Steel Posts
tapered fluted shafts

NORTH YORKSHIRE Series

20" dia. base



NY13/20-CIS/*finish* NY14/20-CIS/*finish* NY16/20-CIS/*finish* NY18/20-CIS/*finish* NY21/20-CIS/*finish* NY23/20-CIS/*finish*

SPECIFICATIONS

DESCRIPTION

The lighting post shall be cast iron and steel construction, massively tapered with a deep, 16-flute steel shaft and a classic 16-flute cast iron base. The shaft and base shall be joined together at the factory and shipped as one piece. Slipover, clamshell, or other multiple piece post designs are not acceptable. The post shall be Holophanes' catalog number N *YXX*/20-CIS/*finish*.

MATERIALS

The post base material shall be ASTM A48 Class 30 cast iron, formed true to the pattern with complete detail. The shaft shall be tapered and fluted steel with an integral steel tenon and steel bottom cap. All exposed hardware shall be tamper resistant stainless steel. Anchor bolts to be completely hot dip galvanized. Partially galvanized bolts are not acceptable.

DIMENSIONS

The post shall be *X'-XX"* in height with a 20" diameter base. The post shall taper from a 7" diameter at the top of the base to a 4 1/2" diameter at the post top. An integral 3" O.D. tenon shall be provided at the top for luminaire mounting. The post top shall include a transitional donut between the fluted shaft and the tenon.

INSTALLATION

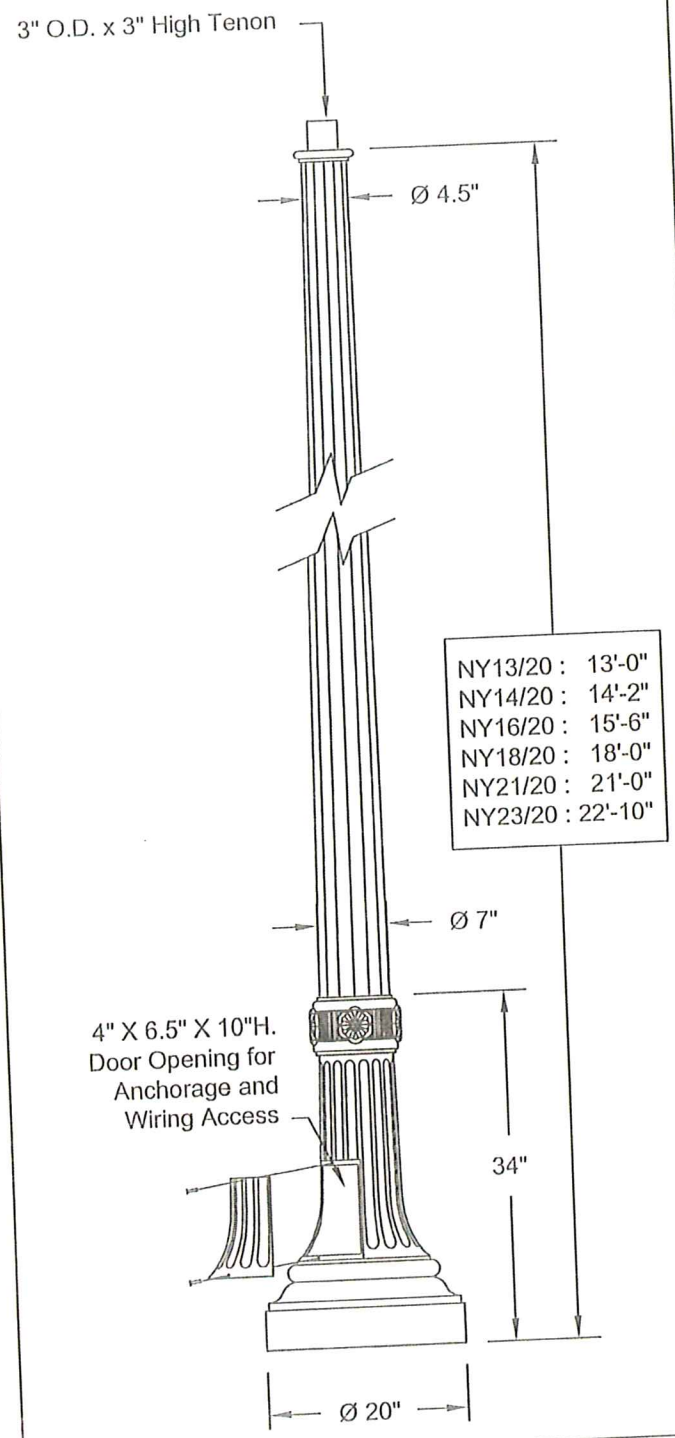
The one-piece post shall be provided with four 3/4" diameter, L-type anchor bolts to be installed on a 15" diameter bolt circle. A door shall be provided in the base for anchorage and wiring access. A grounding screw shall be provided inside the base opposite the door.

For finish specifications and color options, see "Finish" section in catalog.

HOLOPHANE® An Acuity Brands Company
LEADER IN LIGHTING SOLUTIONS 214 OAKWOOD AVENUE - NEWARK, OHIO 43055

NORTH YORKSHIRE Series

Cast Iron & Steel Posts 20" dia. base



ORDERING GUIDE

sample catalog number

NY13/20	-	CIS/PP	-	
Post	-	material / finish	-	options
NORTH YORKSHIRE 13'-0" height 20" dia. base	-	Cast Iron & Steel Prime Painted	-	

Post (check appropriate boxes)

Catalog #	*Heights*
☐ NY13/20	13'-0"
☐ NY14/20	14'-2"
☐ NY16/20	15'-6"
☐ NY18/20	18'-0"
☐ NY21/20	21'-0"
☐ NY23/20	22'-10"

Material/Finish

Catalog Suffix	*Description*
☐ -CIS/BK	Cast Iron & Steel/Black (std.)
☐ -CIS/DG	Cast Iron & Steel/Dark Green
☐ -CIS/DB	Cast Iron & Steel/Dark Bronze
☐ -CIS/PP	Cast Iron & Steel/Prime Painted
☐ -CIS/CC	Cast Iron & Steel/Custom Color

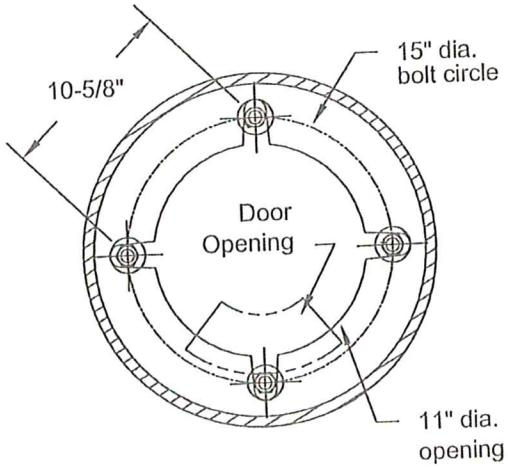
(for complete finish and color options, see " **Finish**" section in catalog)

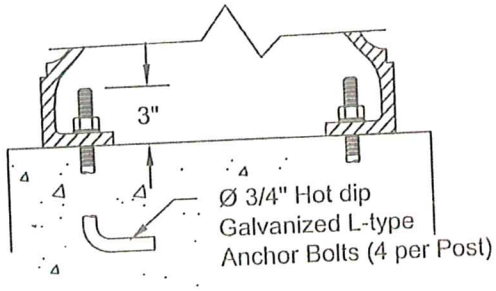
Optional Equipment

Catalog Suffix	*Description*
☐ -_____	Receptacles (see Accessories section)
☐ -_____	Banner Arms (see Accessories section)
☐ -_____	Flag Pole Holders (see Accessories section)
☐ -_____	Custom Logos (see Accessories section)
☐ -_____	Signage (see Signage section)

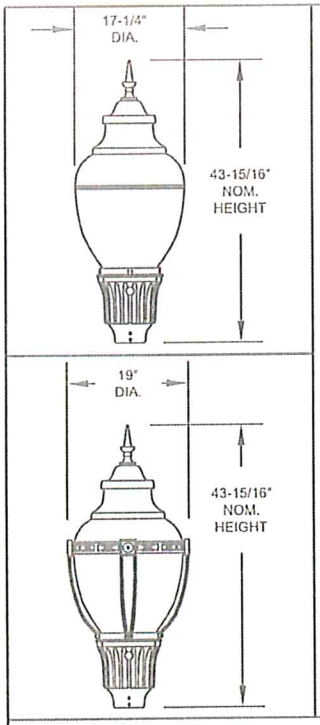
(for optional equipment not found in catalog, consult factory)

ANCHORAGE GUIDE

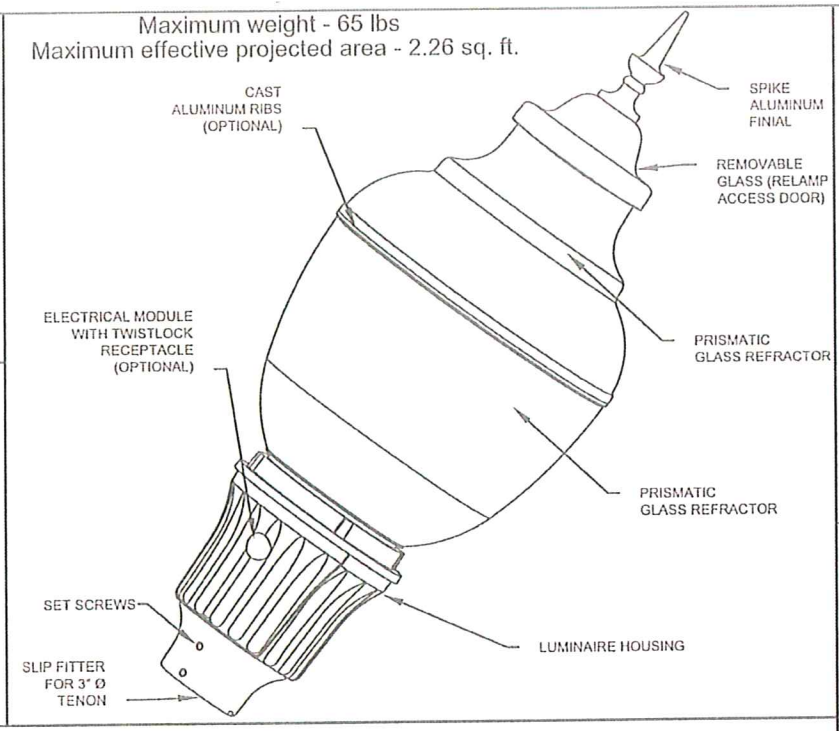




HOLOPHANE® An AcuityBrandsCompany
LEADER IN LIGHTING SOLUTIONS 214 OAKWOOD AVENUE - NEWARK, OHIO 43055



Maximum weight - 65 lbs
Maximum effective projected area - 2.26 sq. ft.



Utility Washington Postlite®

Series Luminaire

DECORATIVE OUTDOOR

HOLOPHANE®
LEADER IN LIGHTING SOLUTIONS
An AcuityBrandsCompany

ORDERING INFORMATION:

WAU

WAU	15AHP	12	N	3	N	4

BALLAST TYPE (MOGUL BASE)
- 050HP = 50W HPS (NOT AVAIL. W/ 347V)
- 070HP = 70W HPS
- 100HP = 100W HPS
- 15AHP = 150W 55V HPS
- 175MH = 175W MH
- 100MV = 100W MV
- 175MV = 175W MV
- 250MV = 250W MV (NOT AVAIL. w/ multi-tap or C.U.L./UL)

BALLAST TYPE (MEDIUM BASE)
- 50DHP = 50W HPS (NOT AVAIL. W/ 347V)
- 70DHP = 70W HPS
- 10DHP = 100W HPS
- 15DHP = 150W 55V HPS
- 70DMH = 70W MH (NOT AVAIL. W/ 480V)
- 10DMH = 100W MH (NOT AVAIL. W/ 480V)
- 15DMH = 150W MH (NOT AVAIL. W/ 480V)
- 17DMH = 175W MH

VOLTAGE
- 08 = 208 VOLT (C.U.L.) (not available with 70DMH, 10DMH, 15DMH)
- 12 = 120 VOLT (UL & C.U.L.)
- 20 = 208 VOLT
- 24 = 240 VOLT
- 27 = 277 VOLT (UL & C.U.L.)
- 34 = 347 VOLT (C.U.L.)
- 40 = 240 VOLT (C.U.L.) (not available with 70DMH, 10DMH, 15DMH)
- 48 = 480 VOLT
- MA = MULTITAP (factory 120V) (120, 208, 240, 277 VOLT)
- MB = MULTITAP (factory 208V) (120, 208, 240, 277 VOLT)
- MC = MULTITAP (factory 240V) (120, 208, 240, 277 VOLT)
- MD = MULTITAP (factory 277V) (120, 208, 240, 277 VOLT)

HOUSING COLOR
- A = AS SPECIFIED
- B = BLACK
- D = DARK GREEN TIGER DRYLAC RAL6005
- E = BROWN GREEN TIGER DRYLAC RAL6008
- F = DARK GREEN TIGER DRYLAC RAL6009
- H = DARK GREEN TIGER DRYLAC RAL6012
- N = GREEN
- Z = BRONZE

OPTICS
- 3 = IES TYPE III DISTRIBUTION
- 4 = IES TYPE IV DISTRIBUTION
- 5 = IES TYPE V DISTRIBUTION
- 6 = IES TYPE II DISTRIBUTION LUNAR
- 7 = IES TYPE III DISTRIBUTION LUNAR
- 8 = IES TYPE V DISTRIBUTION LUNAR

DECORATIVE TRIM COLOR
- A = AS SPECIFIED
- B = BLACK
- D = DARK GREEN TIGER DRYLAC RAL6005
- E = BROWN GREEN TIGER DRYLAC RAL6008
- F = DARK GREEN TIGER DRYLAC RAL6009
- H = DARK GREEN TIGER DRYLAC RAL6012
- G = GOLD
- N = GREEN
- Z = BRONZE

DECORATIVE TRIM
- 1 = BAND, MEDALLIONS, & BUD FINIAL
- 2 = BAND, MEDALLIONS, & SPIKE FINIAL
- 3 = BUD FINIAL
- 4 = SPIKE FINIAL
- 5 = BUD FINIAL, BAND, & RIBS
- 6 = SPIKE FINIAL, BAND, & RIBS
- 7 = BAND, MEDALLIONS, & ORNATE FINIAL
- 8 = ORNATE FINIAL
- 9 = ORNATE FINIAL, BAND, & RIBS

OPTIONS

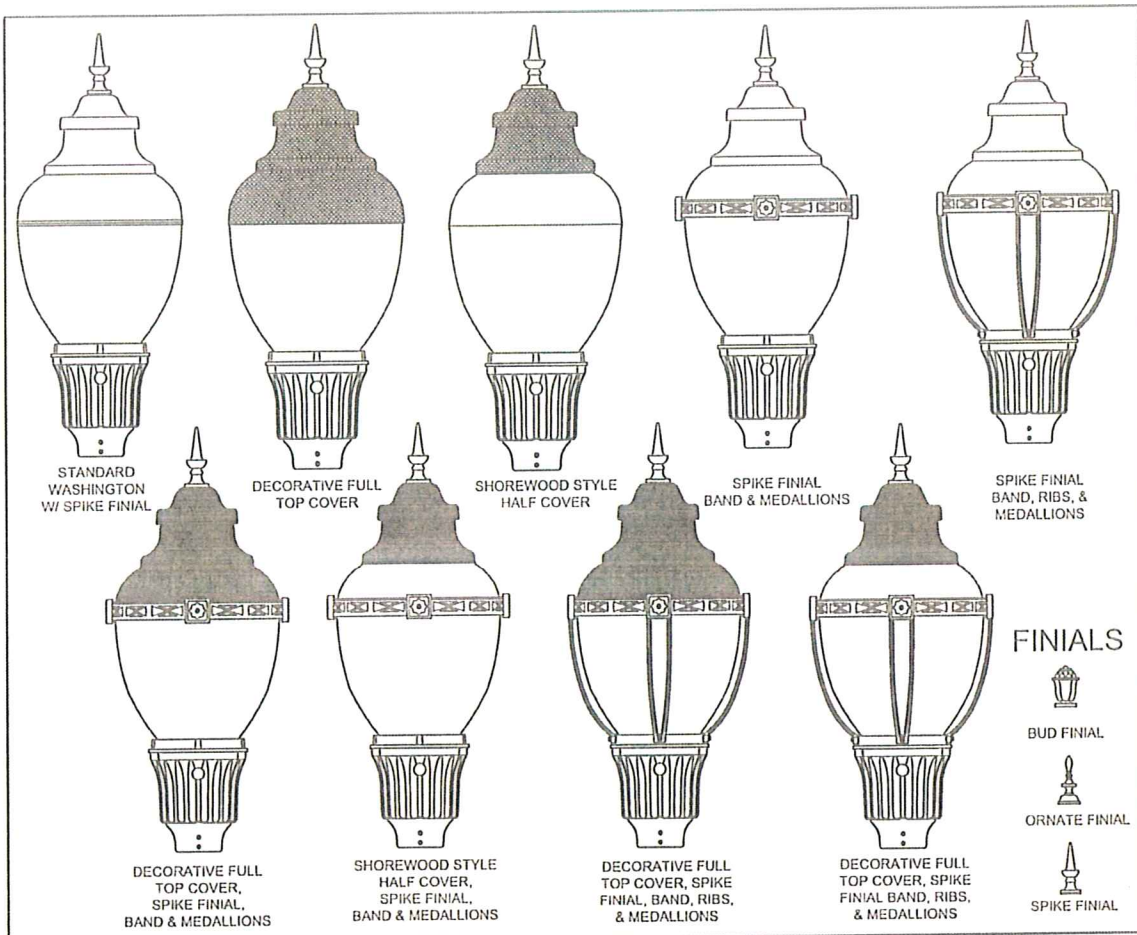
F = FULL DECORATIVE ALUMINUM TOP COVER
H = NEMA TWISTLOCK PHOTOCONTROL RECEPTACLE ONLY
P = PROTECTED STARTER FOR HPS UNITS ONLY
S = SHOREWOOD ALUMINUM TOP STYLE COVER (1/2 COVER)
T = NEMA TWISTLOCK AND PROTECTED STARTER (FOR HPS UNITS ONLY).
NEMA050HP = NEMA LABEL 50 HPS
NEMA070HP = NEMA LABEL 70 HPS
NEMA100HP = NEMA LABEL 100 HPS
NEMA150HP = NEMA LABEL 150 HPS
NEMA070MH = NEMA LABEL 70 MH
NEMA100MH = NEMA LABEL 100 MH
NEMA150MH = NEMA LABEL 150 MH
NEMA175MH = NEMA LABEL 175 MH
NEMA100MV = NEMA LABEL 100 MV
NEMA175MV = NEMA LABEL 175 MV
PCTWSTL120 = DTL TWISTLOCK PHOTOCONTROL 120 VOLT
PCTWSTL12202427 = DTL TWISTLOCK PHOTOCONTROL 120-277 VOLT
PCTWSTL480 = DTL TWISTLOCK PHOTOCONTROL 480 VOLT
PCTWSTSHRTCAP = SHORTING CAP
LEADS1.5FT10GA = 1.5 FEET OF PREWIRED LEADS
LEADS3FT10GA = 3 FEET OF PREWIRED LEADS
LEADS10FT10GA = 10 FEET OF PREWIRED LEADS
LEADS20FT10GA = 20 FEET OF PREWIRED LEADS
LEADS25FT10GA = 25 FEET OF PREWIRED LEADS
LEADS30FT10GA = 30 FEET OF PREWIRED LEADS

ACCESSORIES

LAMP = SHIP APPROPRIATE LAMP AS LINE ITEM. SEE LAMP SHEET
IG-5 = PLUG-IN REPLACEMENT STARTER FOR HPS UNITS
IG-6 = PLUG-IN REPLACEMENT PROTECTED STARTER FOR HPS UNITS
IG-7 = PLUG-IN REPLACEMENT STARTER FOR 70/10/15DMH UNITS
WHS090 = HOUSE SIDE SHIELD, 90 DEGREES
WHS120 = HOUSE SIDE SHIELD, 120 DEGREES
WHS180 = HOUSE SIDE SHIELD, 180 DEGREES

THIS DRAWING, WHEN APPROVED, SHALL BECOME THE COMPLETE SPECIFICATION FOR THE MATERIAL TO BE FURNISHED BY HOLOPHANE ON THE ORDER NOTED ABOVE. A UNIT OF SIMILAR DESIGN MAY BE SUPPLIED, BUT ONLY WHEN APPROVAL IN WRITING IS GIVEN BY HOLOPHANE. WHERE THIS DRAWING SPECIFIES AN ANCHOR BOLT TEMPLATE PRINT WILL BE SUPPLIED WITH EACH ANCHOR BOLT ORDER TO MATCH THE POLE PROVIDED. THIS PRINT IS THE PROPERTY OF HOLOPHANE AND IS LOANED SUBJECT TO RETURN UPON DEMAND AND UPON EXPRESS CONDITION THAT IT WILL NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY TO THE DETRIMENT OF HOLOPHANE.

ORDER #:	
TYPE:	
DRAWN:	AWU
DATE:	2-08-06
DWG #:	LUM_WAU



Utility Washington Postlite®

Series Luminaire

DECORATIVE OUTDOOR

HOLOPHANE® LEADER IN LIGHTING SOLUTIONS
An Acuity Brands Company

Specifications

GENERAL DESCRIPTION

The Utility Washington Postlite luminaire is designed for ease of maintenance with the plug-in electrical module common to each of the luminaires in Holophane's Utility Luminaire Series. The traditional acorn shaped luminaire, while reminiscent of the 1920's, contains a precision optical system that maximizes post spacings while maintaining uniform illumination.

OPTICAL SYSTEM

The optical assembly is a precisely molded thermal resistant borosilicate glass reflector and refractor. The upper portion of this system incorporates a series of reflecting prisms that redirect over 50% of the upward light into the controlling refractor while allowing a soft uplight component to define the traditional acorn shape. Two decorative aluminum top cover options are available. The lower portion uses precisely molded refracting prisms to control the distribution of light to maximize utilization, uniformity, and luminaire spacing. The very top of this assembly is a removable prismatic glass cover with decorative finial for toolless entry into the lamp chamber. Three unique optical assemblies are available, designed for IES type III, type IV, and type V distribution.

LUMINAIRE HOUSING

The luminaire housing, cast of aluminum, provides an enclosure for the plug-in electrical module. The nickel plated lamp grip socket and three station incoming line terminal block are prewired to a five conductor receptacle for ease in connection the electrical module. The slipfitter will accept a 3" by 2-7/8" to 3-1/8" O.D. tenon.

LUMINAIRE HOUSING / DOOR

Cast of aluminum, the housing / door is removable without the use of tools and is retained by a nonconductive lanyard, attached to the door and to the housing. For units with an E.E.I.-N.E.M.A. twist lock photocell receptacle, the door contains an acrylic "window" to allow light to reach the cell.

ELECTRICAL MODULE

The ballast components are mounted on a steel plate that is removable without the use of tools. A matching five conductor plug connects to the receptacle in the luminaire housing to complete the wiring. Where a starting aid is required, it is provided with a separate plug-in connector and can be replaced without the use of tools. For photoelectric operation, the electrical module is provided with an E.E.I.-N.E.M.A. twist lock photocell receptacle.

BALLASTS

(Refer to Ballast Data Sheet for specific operation characteristics)

50 watt 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor Reactor type. All other HPS ballast are High Power Factor Autotransformer type.

175 watt Metal Halide (MH) ballasts are Peak Lead Autotransformer type. 70 and 100 watt MH units are available only with High Power Factor High Reactance type ballast.

All Mercury Vapor (MV) ballasts are High Power Factor Constant Wattage Autotransformer (CWA) type.

FINISH

The luminaire is finished with polyester powder paint applied after a seven stage pretreatment precess to insure maximum durability.

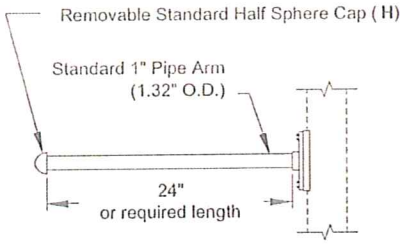
UL

The luminaire is UL listed as suitable for wet locations at a maximum of 40 degrees C ambient temperature.

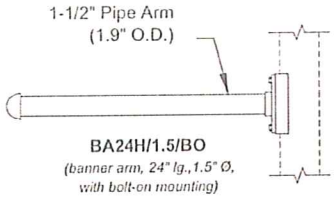
THIS DRAWING, WHEN APPROVED, SHALL BECOME THE COMPLETE SPECIFICATION FOR THE MATERIAL TO BE FURNISHED BY HOLOPHANE ON THE ORDER NOTED ABOVE. A UNIT OF SIMILAR DESIGN MAY BE SUBMITTED TO CUSTOMER FOR APPROVAL WITH CLEARLY STATED EXCEPTIONS IN WRITING. ON POLE ORDERS, AN ANCHOR BOLT TEMPLATE PRINT WILL BE SUPPLIED WITH EACH ANCHOR BOLT ORDER TO MATCH THE POLE PROVIDED. THIS PRINT IS THE PROPERTY OF HOLOPHANE AND IS LOANED SUBJECT TO RETURN UPON DEMAND AND UPON EXPRESS CONDITION THAT IT SHALL NOT BE REPRODUCED OR INDIRECTLY IN ANY WAY DETRIMENTAL TO OUR INTERESTS, AND ONLY IN CONNECTION WITH MATERIAL FURNISHED BY HOLOPHANE

ORDER #:
TYPE:
DRAWN: AWU
DATE: 2-08-06
DWG #: LUM_WAU

Banner Arms
Cast Aluminum



BA24H/1/BO
(banner arm, 24" lg.,1" Ø, with bolt-on mounting)



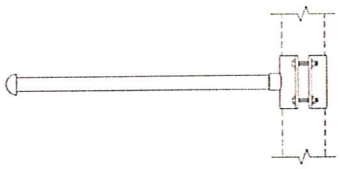
BA24H/1.5/BO
(banner arm, 24" lg.,1.5" Ø, with bolt-on mounting)

Other size Banner Arms Available:

BAXXH/.75
[banner arm, XX" lg., 3/4" pipe (1.05" O.D.)]

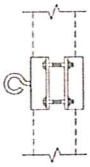
BAXXH/1.25
[banner arm, XX" lg., 1-1/4" pipe (1.66" O.D.)]

OTHER MOUNTING OPTIONS



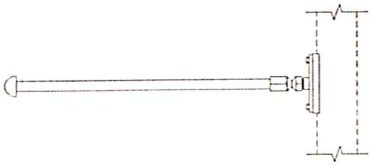
BA24H/1/CO
(banner arm with clamp-on mounting)

-EB/BO
(eyebolt mounted to post for securing banner bottom

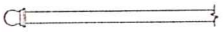


-EB/CO
(eyebolt with clamp on mounting for securing banner bottom)

OTHER OPTIONS



BBA24H/1/BO
(break-away banner arm)

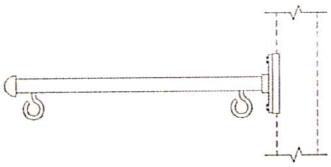


BAXXB
(ball end cap)

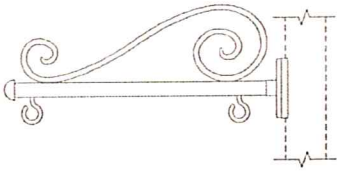
BAXXA
(acorn end cap)

BAXXR
(raleigh end cap)

CUSTOMS



BA24H/1/BO/2EB
(two eyebolts on arm)



BA24H/1/BO/S/2EB
(decorative scroll & two eyebolts on arm)

Banner arms can add substantial wind loading to the post you select. Please coordinate the correct post size and style with the factory.

SPECIFICATIONS

DESCRIPTION
The banner arms shall consist of a round, extruded aluminum pipe and a removable cast aluminum end cap. Bottom eyebolts and banner arms with breakaway couplings, are optional and recommended because of the wind load from the banner.

CONSTRUCTION
The banner arm shall be welded to a mounting plate or a post clamp. All welding shall be per ANSI/AWS D1.2-90. All welders shall be certified per ANSI/AWS D1.2-90 Section 5.

MATERIALS
The end caps shall be, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B-179-95a or ASTM B26-95. The banner arm, mounting plate and post clamp shall be aluminum, ASTM 6061 alloy, heat treated to a T6 temper. All hardware shall be stainless steel.

INSTALLATION
The bolt-on banner arm shall bolt to a mounting channel provided on the side of the post with four stainless steel screws. Eyebolts shall screw into the post or clamp on. All clamp-on mountings shall clamp around the post, secured with four 3/8" hex head bolts. (Post dia. at mounting point must be specified.) A minimum mounting height of 10 feet is recommended for the bottom banner arm. (Arms are not designed for pedestrian interference.) (For information on specifying orientation and mounting heights see **"Orientation Guide"** in the back of the Accessories section of catalog.)
(Banners to be provided by others.)

DIMENSIONS
The banner arms shall be available in 1.05", 1.32", 1.66" or 1.9" O.D. and to the specified length.

For finish specifications and color options see **"Finish"** section in catalog.

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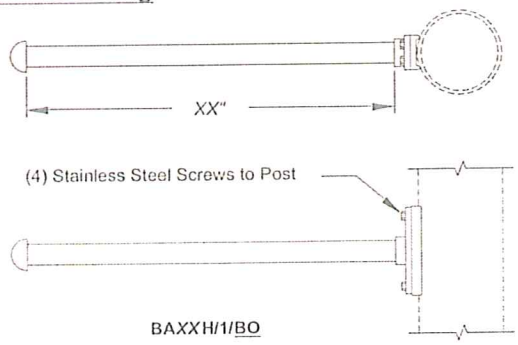
An AcuityBrandsCompany
214 OAKWOOD AVENUE - NEWARK, OHIO 43055

Banner Arms Cast Aluminum

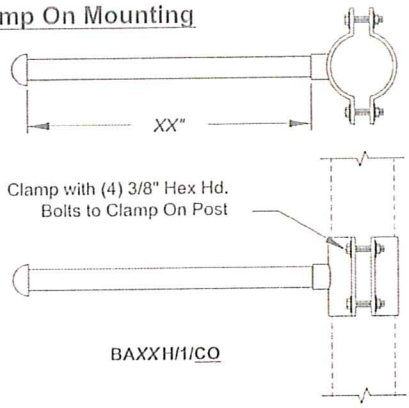
MOUNTING DETAILS

Bolt-On Mounting



BAXXH/1/BO

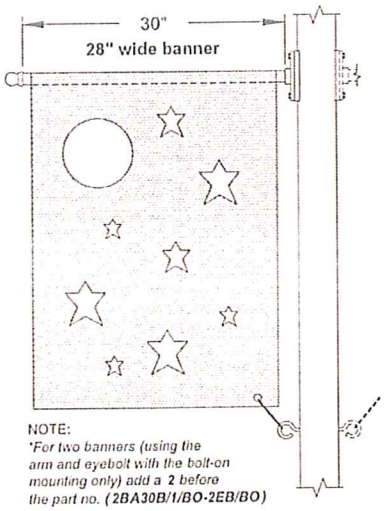
Clamp On Mounting



BAXXH/1/CO

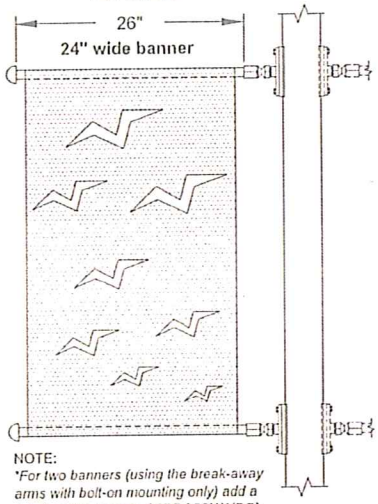
SUGGESTED BANNER ARM USAGE

BA30B/1/BO*
(Banner Arm, 30", Ball end cap / 1"Ø / Bolt On)



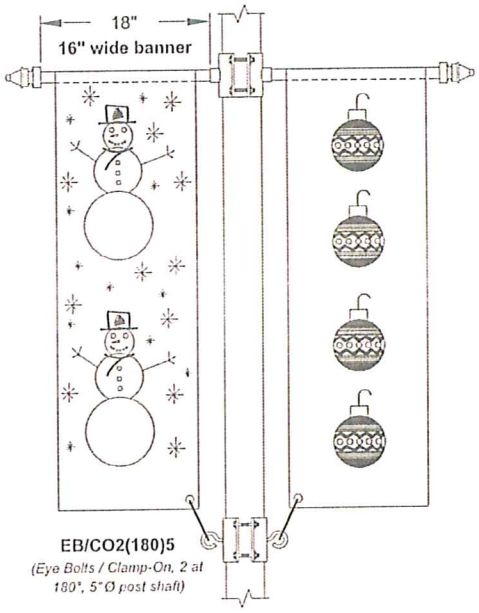
NOTE:
*For two banners (using the arm and eyebolt with the bolt-on mounting only) add a **2** before the part no. **(2BA30B/1/BO-2EB/BO)***

2BBA26H/1/BO*
(2 Break-away Banner Arms, 26", Half sphere end cap / 1"Ø / Bolt On)



NOTE:
*For two banners (using the break-away arms with bolt-on mounting only) add a **4** before the part no. **(4BBA26H/1/BO)***

BA18R/1.25/CO2(180)5
(Banner Arms, 18", Raleigh end cap / 1.25" Ø / Clamp On, 2 arms at 180°, 5" Ø post shaft)



EB/CO2(180)5
(Eye Bolts / Clamp-On, 2 at 180°, 5"Ø post shaft)

NOTE:
* For information on specifying orientation and mounting heights see **Orientaion Guide** in the back of the Accessories section in the catalog. A minimum mounting height of 10' is recommended for the bottom banner arm.
* Banners not furnished by Holophane.

ORDERING GUIDE

sample catalog number	banner arm,	end cap	/	Arm Ø	/	mounting option	-eyebolt	-material / finish
2BBA24H/1/BO-2EB/BO-CA/BK	2BBA24	H	/	1	/	BO	-2EB/BO	-CA/BK

Banner Arms (check appropriate boxes)
(fill in _ _ with desired arm length in inches)
- ☐ BA _ _ Std. Banner arm
- ☐ BBA _ _ Break-away Banner arm

Banner Arm End Caps
- ☐ H Std. Half Sphere Cap
- ☐ B Ball Cap
- ☐ A Acorn Cap
- ☐ R Raleigh Cap

Banner Arm Diameters
- ☐ /.75 3/4" Pipe (1.05" O.D.)
- ☐ /1 Std.1" Pipe (1.32" O.D.)
- ☐ /1.25 1-1/4" Pipe (1.66" O.D.)
- ☐ /1.5 1-1/2" Pipe (1.9" O.D.)

Mounting Options
(fill in _ _ with diameter of post shaft, at clamp, in inches)
- ☐ /BO Bolt On *(Bolts onto Post)*
- ☐ /CO _ _ Clamp On (Clamps around Post)
- ☐ /CO2(180) _ _ Clamp On (two arms at 180°)
- ☐ /CO2(90) _ _ Clamp On (two arms at 90°)
- ☐ /CO3(90) _ _ Clamp On (three arms at 90°)
- ☐ /CO4(90) _ _ Clamp On (four arms at 90°)

Options
- ☐ /2EB Two Eyebolts on Arm
- ☐ /S/2EB Decorative Scroll & Eyebolts on Arm

Eyebolts *(for securing banner bottom)*
(fill in _ _ with diameter of post shaft, at clamp, in inches)
- ☐ -EB/BO Bolt On Eyebolt *(Bolts onto Post)*
- ☐ -EB/CO _ _ Clamp On Eyebolt (Clamps around Post)
- ☐ -EB/CO2(180) _ _ Clamp On Eyebolt (two arms at 180°)
- ☐ -EB/CO2(90) _ _ Clamp On Eyebolt (two arms at 90°)
- ☐ -EB/CO3(90) _ _ Clamp On Eyebolt (three arms at 90°)
- ☐ -EB/CO4(90) _ _ Clamp On Eyebolt (four arms at 90°)

Material / Finish
- ☐ -CA/BK Cast Alum./Black *(Std.)*
- ☐ -CA/DB Cast Alum./Dark Bronze
- ☐ -CA/DG Cast Alum./Dark Green
- ☐ -CA/CC Cast Alum./Custom Color
- ☐ -CA/PP Cast Alum./Prime Painted

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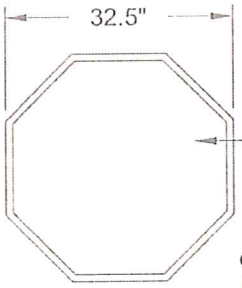
Traffic Signs

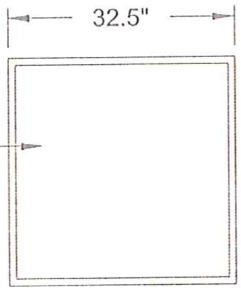
Cast Aluminum Frames



Solid Opening for a 30" Sign

Other Sizes
OCS24/CO
(24" Sign)

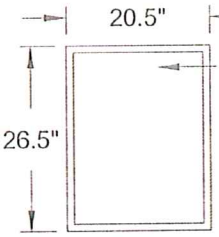
OCS30/CO
(Octagonal Sign)



[Note: Sign frames shown have clamp on (CO) mounting]

Other Sizes
SQS18/CO
(18" Sign)
SQS24/CO
(24" Sign)

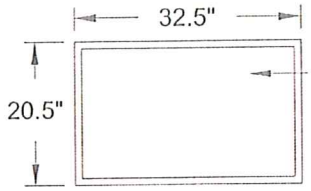
SQS30/CO
(Square Sign)



Solid Opening for a 18" x 24" Sign

Other Sizes
VRS1218/CO
(12" x 18" Sign)
VRS2430/CO
(24" x 30" Sign)

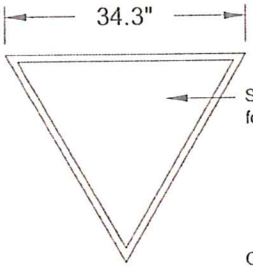
VRS1824/CO
(Vertical Rectangular Sign)



Solid Opening for a 30" x 18" Sign

Other Sizes
HRS3612/CO
(36" x 12" Sign)

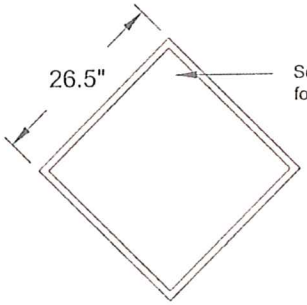
HRS3018/CO
(Horizontal Rectangular Sign)



Solid Opening for a 30" Sign

Other Sizes
TRS36/CO
(36" Sign)

TRS30/CO
(Triangular Sign)

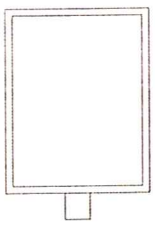


Solid Opening for a 30" Sign

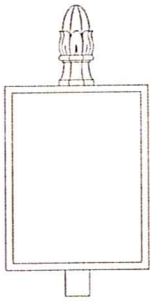
Other Sizes
DIS30/CO
(36" Sign)

DIS24/CO
(Diamond Sign)

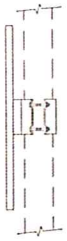
OPTIONS



VRS1824/PT
(with Post Top Mounting)



VRS1824/PT/AF
(with Post Top Mounting and Decorative Post Top Finial)



VRS1824/CO
(with Clamp On Mounting)

SPECIFICATIONS

DESCRIPTION

The traffic sign frame shall be a onepiece casting with a solid backing and a 1" thick border. The sign frame shall be an octagonal, square, rectangular, triangular, or diamond shaped.

CONSTRUCTION

The sign frame shall be welded to a post clamp or a post top fitter. All welding shall be per ANSI/AWS D1.2- 90. All welders shall be certified per ANSI/AWS D1.2-90 Section 5.

MATERIALS

The sign frame shall be heavy wall, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B-179-95a or ASTM B26-95. The post top fitter and post clamp shall be aluminum, ASTM 6061, heat treated to a T6 temper. All hardware shall be stainless steel.

INSTALLATION

The clamp-on sign frame shall clamp around the post, secured with four 3/8" hex head bolts. (Post diameter at mounting point must be specified.) The post top mounting shall fit on a 3" OD x 3" tall tenon with six 1/4" diameter socket set screws. (Lettering and graphics provided by others)

DIMENSIONS

The traffic sign dimensions shall be as shown on the drawings. Other sizes are available. Contact Holophane for more information. For finish specifications and color options see **"Finish"** section of catalog.

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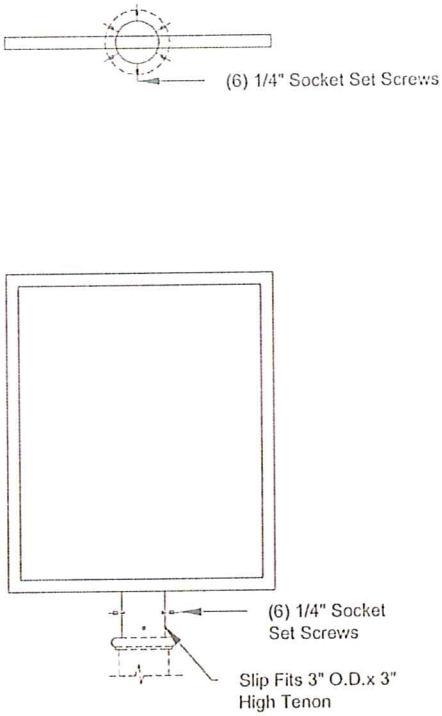
An AcuityBrandsCompany
214 OAKWOOD AVENUE - NEWARK, OHIO 43055

Traffic Signs Cast Aluminum Frames

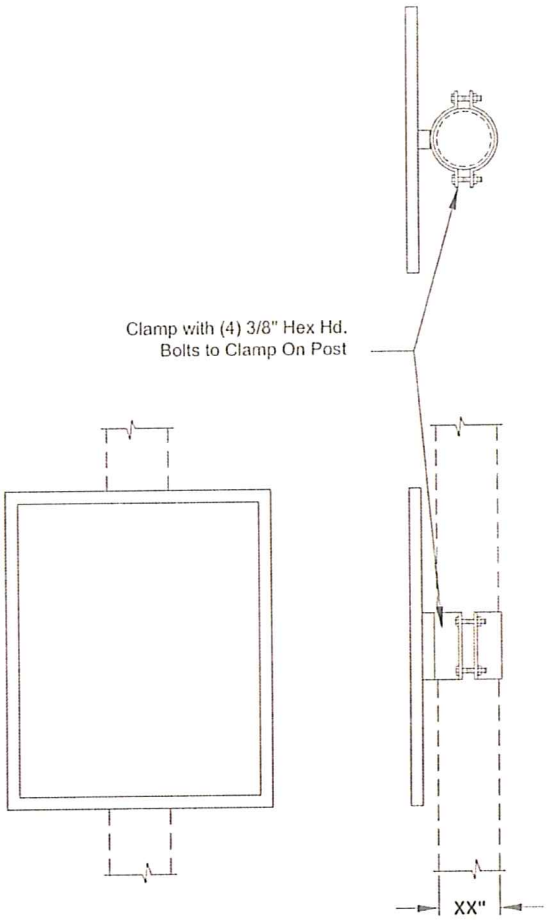
MOUNTING OPTIONS

Post Top Mounting



VRS1824/PTXX

Clamp-On Mounting



VRS1824/COXX

ORDERING GUIDE	sample catalog number OCS30/PT/AF-CA/BK	Sign Frame. OCS30 Octagonal Sign 30"	Mounting Option /PT Post Top	Decorative Option /AF Acorn Finial	Material / Finish -CA/BK Cast Aluminum/Black

Sign Frames (check appropriate boxes)

Octagonal Frames
- ☐ OCS24 24" Sign
- ☐ OCS30 30" Sign

Square Frames
- ☐ SQS18 18" Sign
- ☐ SQS24 24" Sign
- ☐ SQS30 30" Sign

Vertical Rectangular Frames
- ☐ VRS1218 12" x 18" Sign
- ☐ VRS1824 18" x 24" Sign
- ☐ VRS2430 24" x 30" Sign

Horizontal Rectangular Frames
- ☐ HRS3018 30" x 18" Sign
- ☐ HRS3612 36" x 12" Sign

Triangular Frames
- ☐ TRS30 30" Sign
- ☐ TRS36 36" Sign

Diamond Frames
- ☐ DIS24 24" Sign
- ☐ DIS30 30" Sign

Material / Finish
- ☐ -CA/BK Cast Alum./Black *(Std.)*
- ☐ -CA/DB Cast Alum./Dark Bronze
- ☐ -CA/DG Cast Alum./Dark Green
- ☐ -CA/CC Cast Alum./Custom Color
- ☐ -CA/PP Cast Alum./Prime Painted

Mounting Options
- ☐ /CO Clamp On *(Clamps around Post)*
- ☐ /PT Post Top *(Mounts on top of Post)*

Decorative Options
- ☐ /AF Acorn Finial

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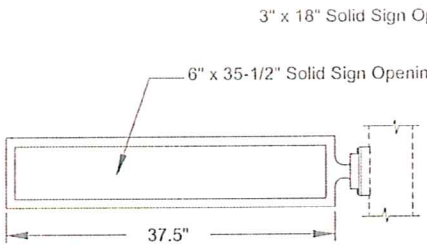
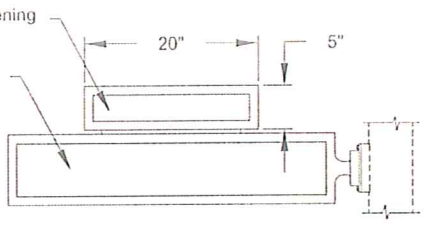
US-2309

Street Signs

Cast Aluminum Rectangular Frames

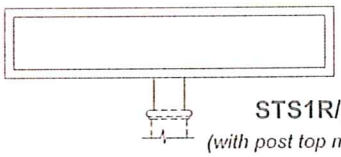


STS1R/BO
(single sign frame w/ bolt-on mounting)

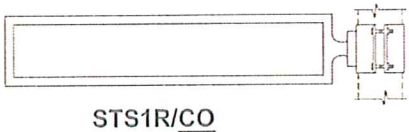


STS2R/BO
(double sign frame w/ bolt-on mounting)

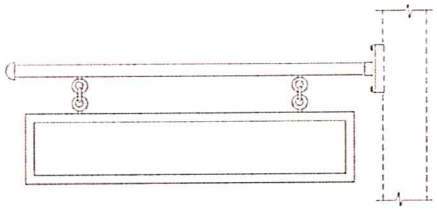
OTHER MOUNTING OPTIONS



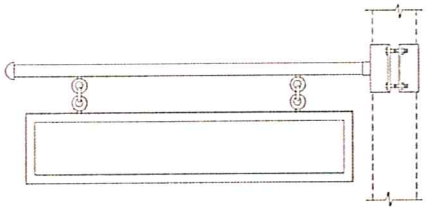
STS1R/PT
(with post top mounting)



STS1R/CO
(with clamp-on mounting)



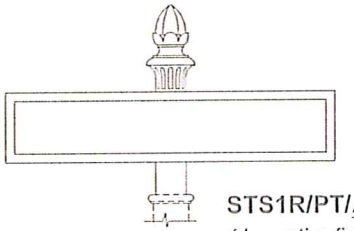
STS1R/BA40/BO
(hanging from banner arm with bolt-on mounting)



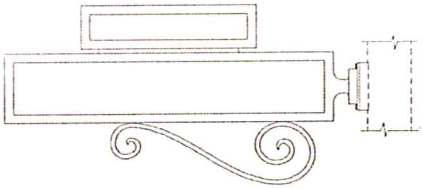
STS1R/BA40/CO
(hanging from banner arm with clamp-on mounting)

DECORATIVE OPTIONS

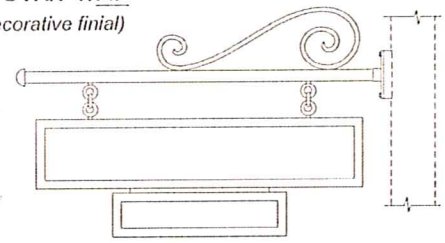
(Note: All decorative and mounting options available with single or double signs)



STS1R/PT/AF
(decorative finial)



STS2R/BO/S
(decorative scoll)



STS2R/BA40/BO/S
(decorative scoll on banner arm)

SPECIFICATIONS

DESCRIPTION
The street sign frame shall be a rectangular shaped, one-piece casting with a solid backing and a 1" thick border. The sign frame has an optional smaller top casting typically used for cross street name. The sign frame is identical on both sides.

CONSTRUCTION
The street sign frame shall be welded to a mounting plate, post clamp, or post top fitter. All welding shall be per ANSI/AWS D1.2-90. All welders shall be certified per ANSI/AWS D1.2-90 Section 5.

MATERIALS
The sign frame shall be heavy wall, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B-179-95a or ASTM B26-95. The mounting plate, post clamp, post top fitter, and banner arm shall be aluminum, ASTM 6061, heat treated to a T6 temper. All hardware shall be stainless steel.

INSTALLATION
The bolt-on sign frame shall bolt to a mounting channel on the side of the post with four stainless steel screws. The clamp-on mounting shall clamp around the post, secured with four 3/8" hex head bolts. (Post dia. at mounting point must be specified.) The post top mounting shall fit on a 3" O.D. x 3" tall tenon with six 1/4" dia. socket set screws. (Lettering and graphics provided by others) (For information on specifying orientation and mounting heights, see "**Orientation Guide**" in the back of the Accessories section.)

DIMENSIONS
Sign frame shall measure 37.5" wide and 8" tall with a 6" x 35.5" opening for graphics mounting. The optional smaller frame shall measure 20" wide and 5" tall with a 3" x 18" opening for graphics mounting.

For finish specifications and color options, see "**Finish**" section in catalog.

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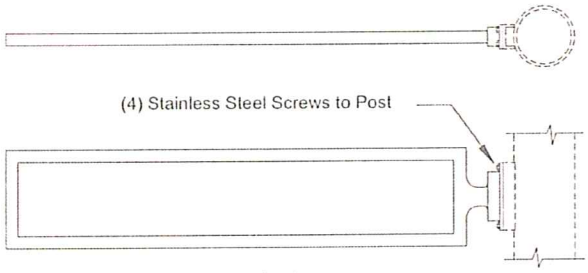
Street Signs Cast Aluminum Rectangular

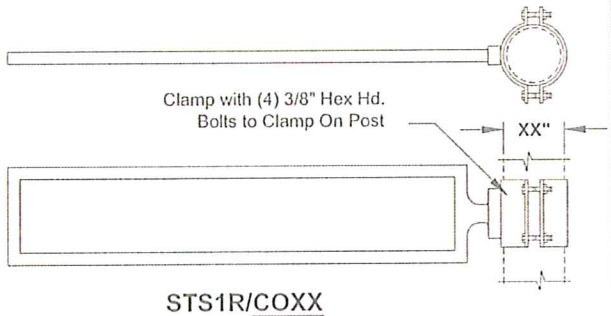
MOUNTING DETAILS

Bolt-On Mounting



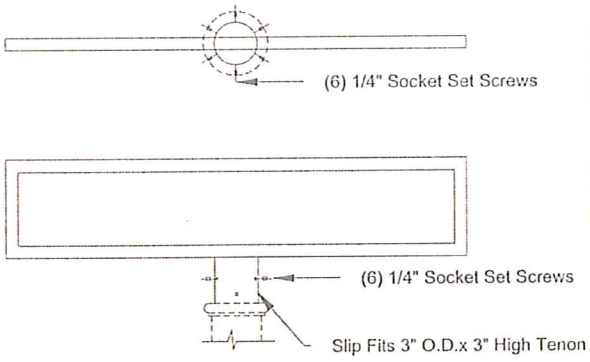
STS1R/BO

Clamp-On Mounting



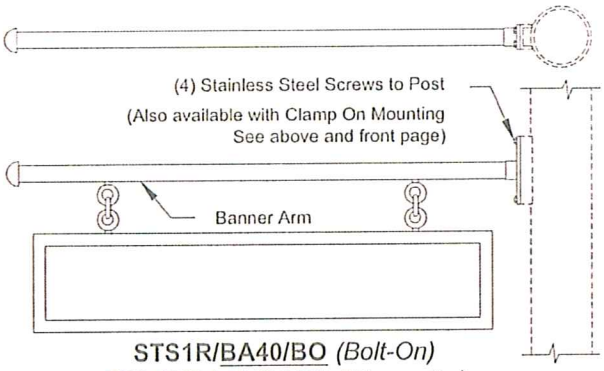
STS1R/COXX

Post Top Mounting



STS1R/PT

Hanging with Bolt-On or Clamp-On Mounting



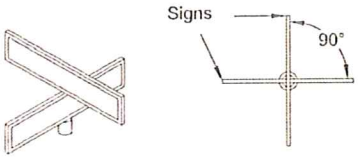
STS1R/BA40/BO *(Bolt-On)*
STS1R/BA40/COXX *(Clamp-On)*

TWIN SIGN ORIENTATION

For **Twin Signs** (with **Bolt-On mounting** only) a 2 is added before the part no. (example **2STS1R/BO**)

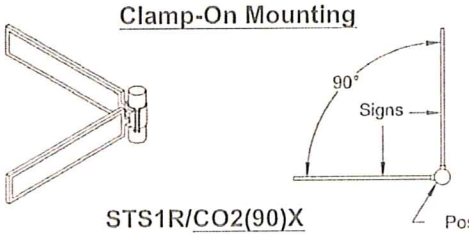
For information on specifying orientation and mounting heights see Orientation Guide in the back of the Accessories section in the catalog.

Post Top Mounting



STS1R/PT2

Clamp-On Mounting



STS1R/CO2(90)X

ORDERING GUIDE

sample catalog number
2STS2R/BA40/BO/S-CA/BK

Sign Frame,	Mounting Option	Decorative Option	Material / Finish
2STS2R	/BA40/BO	/S	-CA/BK
Twin, Street Sign, Double, Rectangular	Banner Arm, 40"/ Bolt On	Scroll	Cast Aluminum/Black

Sign Frames

- ☐ **STS1R** Single Frame
- ☐ **STS2R** Double Frame
- ☐ **2STS1R*** Twin Single Frame (Bolt On only)
- ☐ **2STS2R*** Twin Double Frame (Bolt On only)

* NOTE:
For Twin Signs (with Bolt On mounting only) a 2 is added before the part number.

For information on specifying orientation and mounting heights, see **Orientation Guide** in the back of the Accessories section in the catalog.

Mounting Options
(fill in _ _ with diameter of post shaft, at clamp, in inches)

- ☐ **/BO*** Bolt On
- ☐ **/CO _ _** Clamp On
- ☐ **/CO2(90) _ _** Clamp On, Twin Signs at 90°
- ☐ **/PT** Post Top
- ☐ **/PT2** Post Top, Twin Signs
- ☐ **/BA40/BO*** Banner Arm, 40", Bolt On
- ☐ **/BA40/CO** Banner Arm, 40", Clamp On
- ☐ **/BA40/CO2(90) _ _** Banner Arm, 40", Clamp On, 2 at 90°

Decorative Options

- ☐ **/S** Scroll (On SIgn or Banner Arm)
- ☐ **/AF** Finial (On Post Top Frame)

Material / Finish

- ☐ **-CA/BK** Cast Alum./Black *(Std.)*
- ☐ **-CA/DB** Cast Alum./Dark Bronze
- ☐ **-CA/DG** Cast Alum./Dark Green
- ☐ **-CA/CC** Cast Alum./Custom Color
- ☐ **-CA/PP** Cast Alum./Prime Painted

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Cycle Shed™ Bicycle Lockers-CS™ Series & Electronic eCS Series

CS™ Series and eCS Series Bicycle Lockers by Creative Pipe, Inc. are made to the most stringent specifications and quality standards to provide ultimate security and resistance to vandalism, corrosion, and theft. At Creative Pipe, Inc. we offer lockers made from solid or perforated sheet steel (electro-galvanized mild or stainless) or polyethylene (CS™ Series only).

Since 9-11, we have also offered highly transparent perforated sheet steel lockers. Being transparent, this perforated material greatly increases public security by diminishing the chances that bicycle lockers will be used by homeless people, as drug enclosures, or as a place to store and detonate explosive devices. On our sheet steel lockers, perforation is offered on the door, side, or roof panels, or any combination thereof. On our polyethylene lockers, perforated sheet steel viewing windows are available.

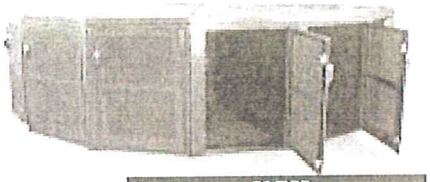
eCS Smart Bicycle Locker

The revolutionary eCS™ Bicycle Locker is the only bicycle locker specifically designed to embrace modern technology and to offer the full range of secure bicycle parking options that modern micro-electronics can offer. Functional characteristics long desired by both cyclists and facilities managers such as keyless on-demand parking, pay-parking, usage monitoring, unattended bicycle rental, and a wide range of other options can now be provided at a reasonable cost by the multi-faceted eCS Bicycle Locker. In addition, eCS Bicycle Locker can also offer traditional assigned-key parking. eCS Bicycle Locker's exceptionally low re-keying costs means that each eCS Bicycle Locker customer is guaranteed to receive a unique, one-of-a-kind key. Finally, eCS Bicycle Locker also offers flexibility of choice in panel materials to custom suit particular security, durability, fire-resistance, weather-resistance, visibility, aesthetic, and budgetary requirements. Equally important, eCS Bicycle Locker's frame-and-panel system is the only system specifically engineered to offer high transparency with maximum bicycle security.

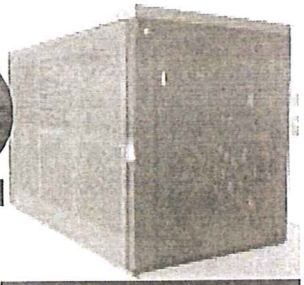
CAPACITY:
Single capacity triangular unit (pictured); single capacity rectangular unit; traditional double capacity rectangular unit diagonally divided with a lockable door on either end (pictured). Designate "eCS1-T", "eCS1-R", or "eCS2" for a single capacity triangular or rectangular eCS or a double capacity eCS respectively.

MATERIAL:
Framework & Doorframes: 12 gauge tubular sheet steel.
Infill Options: 12 or 14 gauge perforated sheet steel with 3/8" holes; Solid 14 or 16 gauge sheet steel.
Locks: Electronic locks. Optional keypad.
Locking Bar: Full length stainless steel with three point locking.

AVAILABLE FINISHES:
Graffiti resistant T.G.I.C. polyester powder; optional stainless steel with a satin finish.
**PLEASE PHONE US OR VISIT OUR WEBSITE FOR MORE COMPLETE INFORMATION ON THIS UNIT.


eCS-T-PP

Pry-proof handle


eCS-PP-PD with optional multi-color panel scheme

Cycle Shed™ Model #: CS 2-C™, CS1-C or CS1-C-T

SPECIFICATIONS
Dimensions: Length: 76"; Width: 39"; Height: 47"
Note: Single capacity units, CS 1-C, are 30" wide.

CAPACITY
1 or 2 bicycles per modular unit (double capacity units are diagonally divided with a door on either end). Units can be used individually or in a linear fashion with other units sharing a common wall. Single capacity units are also available. Please designate "CS1-C" for a single capacity rectangular unit or "CS1-C-T" for a single capacity triangular unit.

MATERIAL
WALL AND TOP PANELS: 16 gauge sheet steel. Optional 14 gauge sheet steel; optional 12 gauge perforated sheet steel.
DOOR PANELS AND DOOR FRAMES: 12 gauge sheet steel; optional perforated 12 gauge sheet steel door panel.
DIAGONAL PARTITION: External grade OSB. Optional sheet steel or perforated sheet steel.

CONSTRUCTION
Heavy duty 12 gauge tubular steel door frames at both ends.
All fasteners are internal.

Hinges
Heavy duty full length 14 gauge stainless steel piano door hinges.

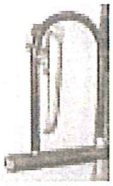
Locks
Door locks are pop-out T-handles with removable lock cylinder manufactured by either the Tubar Lock Company, Ace Lock Company or the Medeco High Security Lock Company. Locks are individually keyed and equipped with a vertical locking bar which runs the full length of the door from top to bottom. Locks can also be master keyed. Also available with padlock/"U" Lock handles to accommodate either a padlock or "U" lock. (See photo below)

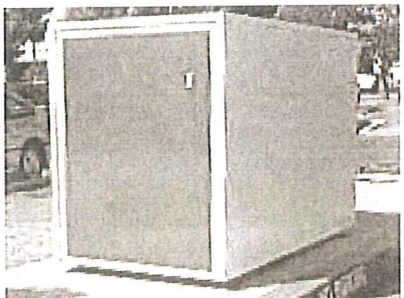
FEATURES AND ACCESSORIES
Number plates (sequentially numbered).
Proprietary stainless steel surface mounted leveling and anchoring system.

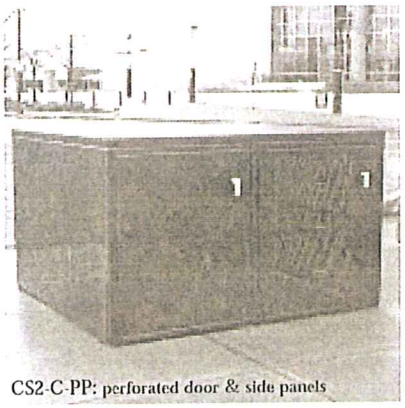
FINISH
Graffiti resistant polyester powder coat. Over 180 colors available. Two-tone or multi-color schemes available. Optional stainless steel lockers with satin finish available upon request.

INSTALLATION
Flanged Surface Mount: Proprietary surface mounted leveling and anchoring system secured by stainless steel anchor bolts and possessing a maximum vertical adjustment of 5 inches.

Assembly
Lockers ship broken down for on-site assembly. Doors are factory assembled and hung in their frames prior to shipment.


Accommodates either a Padlock or "U" Lock


CS 2-C with Optional 2-tone colo


CS2-C-PP: perforated door & side panels

Specifications

Division 12 – Furnishings
#12 93 00, Site Furniture
#12 93 13, Bicycle Racks

SPECIFICATIONS FOR BOLA™ BICYCLE RACK
05/2006

1. PRODUCT NAME
Site and Street Furniture:
Bola bicycle rack

2. MANUFACTURER
Landscape Forms, Inc.
431 Lawndale Avenue
Kalamazoo, MI 49048
Phone: (800) 521-2546
Phone (269) 381-0396
Fax: (269) 381-3455
Email:
specify@landscapeforms.com

Landscape Forms products are supported by the following manufacturer's qualifications that must be considered to evaluate a product claimed to be an equal substitute.

A. We have been designing and manufacturing site furnishings for the commercial building industry for 35 years.

B. We have an installed base of products worth in excess of one hundred million dollars.

C. We have assets in excess of twenty million dollars.

D. We are able to fill orders within a 40-day schedule.

3. PRODUCT DESCRIPTION
Specifications are subject to change without notice.

Basic Use: For heavy use, public space bicycle rack to be used to secure bicycles when left unattended.

Capacity: Two bicycles.

Composition and materials: Constructed of 1.5" o.d. x .120" wall type 304 stainless steel tubing.

Sizes, Mounting Options, Finishes:

Sizes: Overall installed dimensions are 1-1/2" deep by 27-1/2" wide by 32" high.

Mounting Options: Embedded only.

Finish: #4 satin finish on bare metal.

4. TECHNICAL DATA

Recycled Content: Bola has a recycled material content of 65% or greater. Post consumer content is 50% or greater and pre consumer content is 15% or greater. Bola is 100% recyclable.

5. INSTALLATION
Installation is to be done by Customer or his agent in accordance with specifications of Customer's architect or planner.

6. AVAILABILITY AND COST
Availability: Orders are processed after a signed purchase order or letter order plus approval of all shop drawings or special options (if required). Delivery time varies depending on time of year and customer requirements.

Costs: All prices are from current price list and are FOB, Kalamazoo, Michigan. For specific prices and delivery time, contact:
Landscape Forms, Inc.
431 Lawndale Avenue
Kalamazoo, Michigan 49048
(800) 521-2546.

7. WARRANTY
Landscape Forms, Inc. warrants its products to be free from defects in material and/or workmanship for a period of three years from the date of invoice. All claims must be submitted in writing, with copy of invoice to:
Landscape Forms, Inc.
431 Lawndale Avenue
Kalamazoo, Michigan 49048

Landscape Forms, Inc., hereby disclaims all other warranties, express or implied, including any warranty of merchantability of fitness for a particular purpose. This warranty does not apply to damage resulting from accident, alteration, misuse, tampering, negligence, or abuse.

Specifications

Landscape Forms, Inc. shall, at its option, repair, replace, or refund the purchase price of any items found defective upon inspection by an authorized Landscape Forms service representative.

The foregoing shall constitute the sole and exclusive remedy of the buyer.

Purchasers should be aware that normal use of these high quality products might result in superficial damage affecting the finish. Scratches, nicks, and dents are to be considered normal wear and tear, and are not the responsibility of Landscape Forms.

8. MAINTENANCE
Bola is maintenance free.

9. TECHNICAL SERVICES
Call Landscape Forms, Inc. for information.

10. FILING SYSTEMS
Additional information and samples are available from manufacturer upon request.

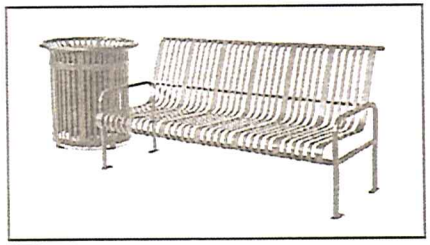
landscapeforms™

431 Lawndale Avenue, Kalamazoo, MI 49048
PH: 800.521.2546, PH: 269.381.0396, FX: 269.381.3455

The MIDTOWN *Series*

Litter receptacle
Bench with back is covered by patent no. des. 457,742. All other Midtown pieces are Exclusive By Design™.

Beautify your surroundings with Keystone Ridge Designs' exclusive collection of litter receptacles. The Midtown allows you the freedom to coordinate with a bench series, or mix and match for an eclectic motif.



- Coordinating benches, ash urns, planters, tables and other furnishings
- Exclusive KEYSHIELD® polyester powder coating finish–our stamp of armored excellence that is foremost in the industry
- Fully assembled unit

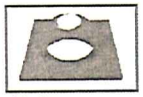
Standard Features
- Color: standard KEYSHIELD® powder coat
- Liner: commercial grade plastic
- Lid: matching flat lid with anti-theft lanyard
- Support: elevated or adjustable

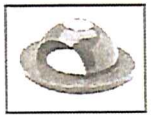
Custom Options
- Color: custom KEYSHIELD® powder coat
- Liner: galvanized or powder coated steel
- Sleeve: KEYSHIELD® powder coat color
- Lid: elevated, elevated ash, dome, ash dome, dome with galvanized door, recycling and trash
- Support: bury extension

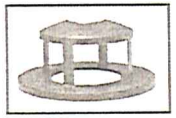
Enhancements
- Ash filler
- Ash sifter
- Custom printed decals
- Cast bronze plaques
- Custom laser cut plaques

ASH CAPACITY LIDS

Ash Dome


Ash Dome


Ash Dome

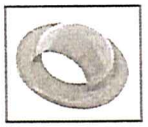

Elevated Ash

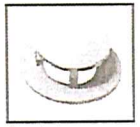
Elevated Ash

Ash Moat

WEATHER-PROTECTANT LIDS

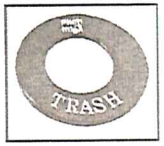
Elevated


Dome


Elevated

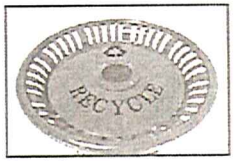
Dome, galvanized door

MESSAGE LIDS

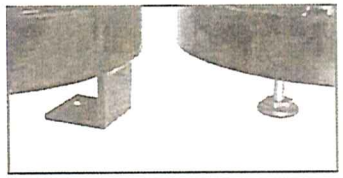


Trash Flat

Recycle Flat

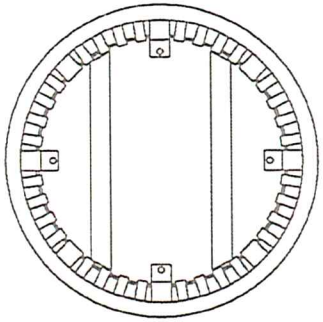


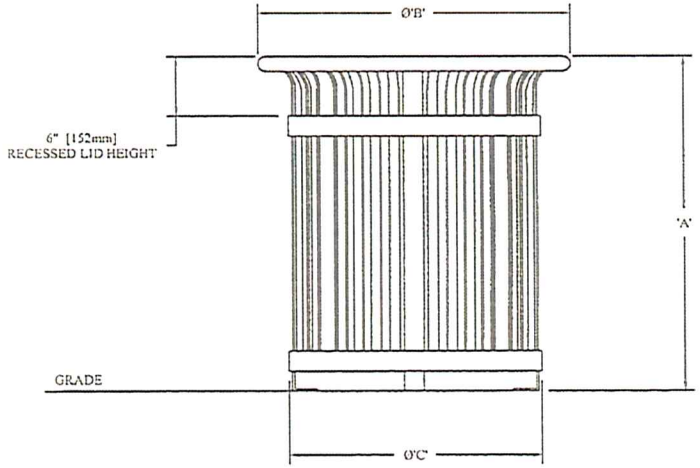
Recycle Flat


Leg options

KEYSTONE RIDGE DESIGNS

1-800-284-8208
www.keystoneridgedesigns.com





The MIDTOWN *Series*

Litter receptacle

Bench with back is covered by patent no. des. 457,742. All other Midtown pieces are Exclusive By Design™.

KEYSHIELD® Metal Finish

The KEYSHIELD® finish protects each piece of furniture from chipping, cracking, UVA damage and provides unparalleled corrosion resistance. KEYSHIELD® is strength, durability and quality - our assurance of armored excellence. Steel products are finished with a two-coat powder coating process applied to a 7-15 mil thickness. Substrate preparation includes sandblasting to a white finish to remove all surface contaminants, the ultimate degree in powder coat preparation. The raw product then receives a corrosion-inhibiting phosphate coating prior to the application of the powder coating. The first coat applied to the substrate is zinc rich epoxy powder primer used exclusively on sandblasted parts. The second coat is a colored polyester powder coating. Both coats are electrostatically applied and oven cured according to powder coating manufacturing specifications to create a smooth, satin-like finish. The result of this two-coat process is an optimum non-porous armor that defines the Keystone Ridge Designs' stamp of quality. KEYSHIELD® is a registered trademark of Keystone Ridge Designs, Inc.®

Fully Assembled Unit

The Midtown litter receptacle is manufactured as a fully assembled unit to provide ultimate stability and avoid damage during transit to the site.

Proprietary Statement

Keystone Ridge Designs, Inc.® is proud to offer the design community exceptional site amenities. Due to the time and resources invested in designing, manufacturing and marketing Keystone Ridge Designs' products and services, we pursue design patents, copyrights, trademarks and service marks whenever possible. Any unlawful duplication or misrepresentation of Keystone Ridge Designs' products will be rigorously protected.

KEYSTONE RIDGE DESIGNS

1-800-284-8208

www.keystoneridgedesigns.com

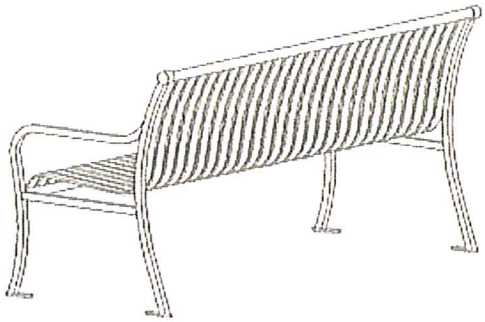
Item #	Description	Diameter (B)	Overall Height Elevated Leg (A)	Overall Height Adjustable Leg	Lid Diameter	Weight
MT3-22	Midtown litter receptacle 22 gal	26"	27 3/4"	26 3/4"	19 1/2"	136 lbs
MT3-32	Midtown litter receptacle 32 gal	31 1/4"	33 1/2"	32 1/2"	23 5/8"	164 lbs
MT3-38	Midtown litter receptacle 38 gal	31 1/4"	33 1/2"	32 1/2"	23 5/8"	175 lbs

CITYVIEW BENCHES

www.sitescapesonline.com :: info@sitescapesonline.com

CityView Steel Bar End Benches

A popular vertical strap design, the CityView bench is suited for many urban seating solutions. Delivered as a fully assembled, rigid welded unit, this bench bolts directly to a concrete pad for permanent installation and is virtually vandal resistant. In addition to requiring no assembly, this bench remains maintenance free.



Standard Lengths

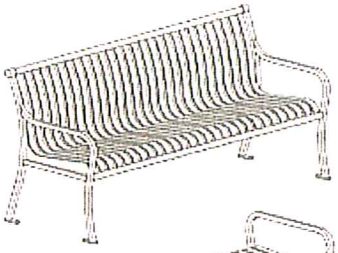
The CityView benches are available in standard lengths of

6 ft. - Actual bench length is 72".

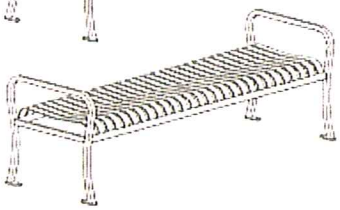
8 ft. - Actual bench length is 96".

Bench Style Options

The standard CityView bench **(CV1-1000)** is a backed seating unit.

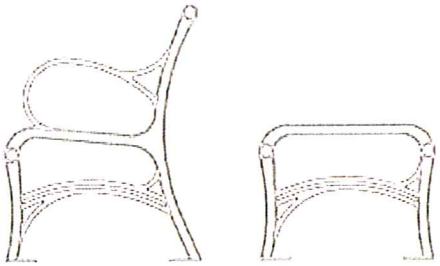


For a lower profile look a flat panel CityView bench **(CV1-1100)** is also available.



Cast End Option

The CityView cast end captures the tradition of a cast iron bench while producing a modern art-nouveau style. Both backed and flat benches are available with cast iron ends.



Arched Back Option

Backed CityView benches are also available with an arched seat panel **(CV1-1200)**. This option adds some additional contour to the standard CityView bench.

Mounting

Benches are secured with four 1/2" dia. x 4-5" long stainless steel anchor bolts (customer supplied).

Materials

Seat straps – 5/16" x 1 1/2" steel flat bar

Support pipe - 1" dia. schedule 40 steel tubing

End units - 1" square solid steel bar

Foot plates - 5/16" x 1 1/2" steel flat bar

Center Armrest Option

CityView benches are available with a matching 1" square steel bar center armrest. Armrests are welded in place and either one or two are available per bench.

To Specify CityView Benches

CityView

Benches

1 - 6 ft. Length
2 - 8 ft. Length

0 - Backed
1 - Flat
2 - Arch Backed

0 - Steel Bar Ends
1 - Cast Iron Ends
4 - Steel Bar Ends, No Armrests

0 - No Center Armrests
1 - 1 Center Armrest
2 - 2 Center Armrests

PF - Powder Coat Finish
DF - Duracoat Finish

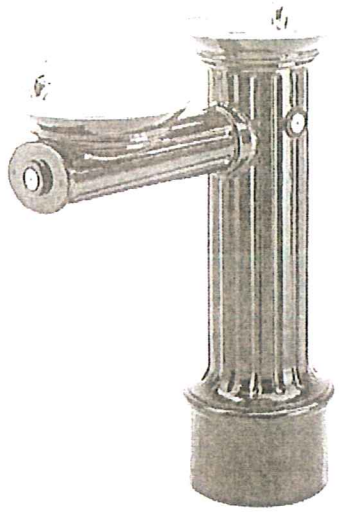
CV 1 - ☐ ☐ ☐ ☐ - ☐

P.O. Box 22326 Lincoln, NE 68542 :: p. 402.421.9464 :: f. 402.421.9479

sitescapes

Pedestal Mounted Drinking Fountain

3511



Model 3511 is a "Hi-Lo", barrier-free, antique style, historic fountain made of heavy-duty cast aluminum with a powder-coated finish. It is designed for pedestrian and physically challenged users. It is suited for architectural styles exhibiting an "old town" ambiance, as well as playgrounds and parks. The standard color is black; other colors available at additional cost. Please contact customer service for a color chart or samples.

Model 3511 meets current Federal Regulations for the disabled including those in the Americans with Disabilities Act. Haws manufactures drinking fountains, electric water coolers and electric drinking fountains to be lead-free by all known definitions including ANSI/NSF Standard 61, Section 9, California Proposition 65 and the Federal Safe Drinking Water Act.

Components:

Bubbler Head: Model 5705, sculpted, polished chrome-plated brass, shielded, anti-squirt, integral basin shank, vandal-resistant bubbler head features laminar flow to prevent splashing.

Valve: Model 5874, patented* lead-free forged brass, push activated, front accessible for stream adjustment and servicing, replaceable pressure regulation control cartridge. (Patent No. 6,981,692).

Waste Strainer: 0005624292 is a satin chrome-plated vandal-resistant waste strainer with anti-airlock draining feature. 1-1/2" NPS.

Push Button: Model PBA7, push button assembly has a polished chrome-plated finish.

Accessory: 0006983506 Spanner wrench is used to remove the PBA6 and PBA7 push button cover used with the 5874 valve. Also used to remove retaining ring for replacing the cartridge and screen (VRK5874 kit) in 5874 valve assembly.

Options/Accessories: (Additional costs may apply)

Freeze Resistant Pedestal Drinking Fountain: Model 3511FR, "Hi-Lo", barrier-free, freeze-resistant, antique style historic fountain made of heavy-duty cast aluminum with a powder-coated finish.

Bubbler Head: Model 5725 EnviroGard™ bubbler is a polished chrome-plated solid brass bubbler head with stainless steel water activated pop up canopy. (Patent No. 7,025,282)

Hose Bib: Model 6276, compression hose bib faucet assembly with rough chrome-plated finish.

Bib Faucet: Model 6250LF, self-closing, plain end, lead-free, brass bib faucet with polished chrome-plated finish.

Sand Trap: Model 6635, sand trap has a see through acrylic canister with lifting handle. Sand trap is installed within the pedestal fountain which prevents tampering to the collection canister. Installation of this sand trap precludes the use of the 6276 hose bib and the 6250LF bib faucet.

Sand Trap: Model 6611, sand trap for installing adjacent to pedestal drinking fountains to help prevent debris and contaminants from clogging waste line.

Premier Colors: Nine powder-coated colors, (green, silver, red, blue, black, brown, orange, yellow and white), available for an additional charge.

Premier Finishes: Haws standard satin or high polished finishes in stainless steel, rose or gold available. Specify model with finish by name.

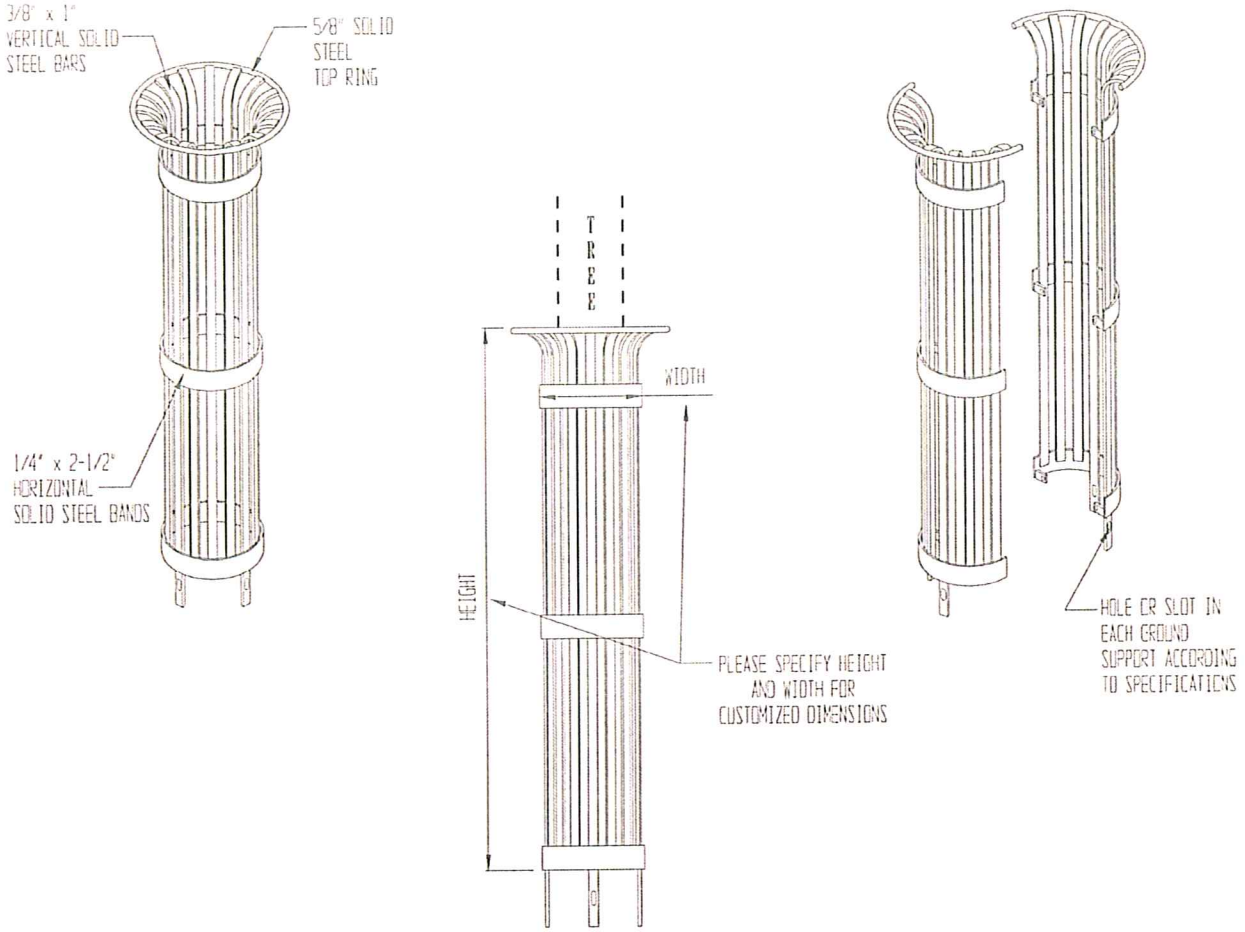
DISCLAIMER: Continued product improvements make specifications subject to change without notice. Check www.hawsco.com for the latest product information and updates.

1455 Kleppe Lane, Sparks, NV 89431
v.775.359.4712 f.775.359.7424
e. info@hawsco.com website. www.hawsco.com

30 March, 2007

VICTOR STANLEY, INC.
-Manufacturers of Quality Site Furnishings since 1962-

P.O. DRAWER 330 - DUNKIRK, MD 20754 USA
TOLL FREE: (800) 368-2573 (USA & CANADA)
TEL (301) 855-8300 - FAX (410) 257-7579
WEB SITE: HTTP://WWW.VICTORSTANLEY.COM



AVAILABLE OPTIONS:

POWDER COATING
10 STANDARD COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE)

WIDTH & HEIGHT
CUSTOM HEIGHT AND WIDTH: PLEASE SPECIFY FOR CUSTOMIZED DIMENSIONS

NOTES:

1. DRAWING NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH COAT AVERAGES 8-10 MILS (200-250 MICRONS).
3. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
4. ANCHOR BOLTS PROVIDED BY OTHERS.
5. FOR HIGH SALT ABUSIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. SEE WRITTEN SPECIFICATIONS FOR DETAILS.
6. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
7. THIS PRODUCT IS SHIPPED PARTIALLY UNASSEMBLED.

S-6

IRONSITES® SERIES TREE GUARD

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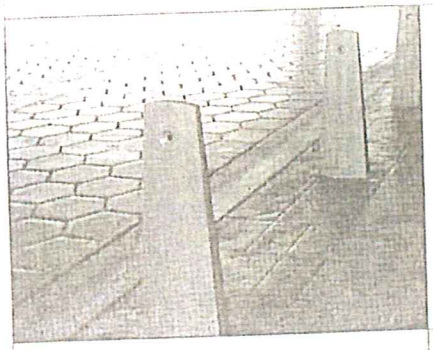
REV. 8/12/03 DRAWN L.K.P.

BOLLARDS



Our bollards are handsome vertical columns whose function is elevated by architecturally confident design. Not only do our bollards provide for the separation of pedestrian and vehicular traffic, they also work exceptionally well as light sources. Various mounting styles are available, and all bollards can be customized for installations where security is an issue.

SAN FRANCISCO

8-2C1

CB

DG5

DG1
with light

DG2
with light

SJ-C1

DG4

SPECIFICATIONS

BOLLARDS

Depending on style, Bollard bodies will either be cast or fabricated.

Material-Fabricated Bollards:
Steel cylinders with cast aluminum tops and bases. Standard finish is Powdercoat

Material Options-Cylinders:
Stainless steel, Aluminum

Finish Options for cylinders and trim castings:
Paint (wet coat), Brushed, High Polish

Sizes:
4", 6", 8", 14" Diameter x 24"-36" height, or as specified

Material—Cast Bollards:
Standard material is cast Aluminum (Iron for SJC1). Standard finish is Powdercoat

Material Options:
Iron, Ductile Iron, Bronze, Nickel Bronze

Finish Options:
Paint (wet coat), Brushed, Patina, High Polish

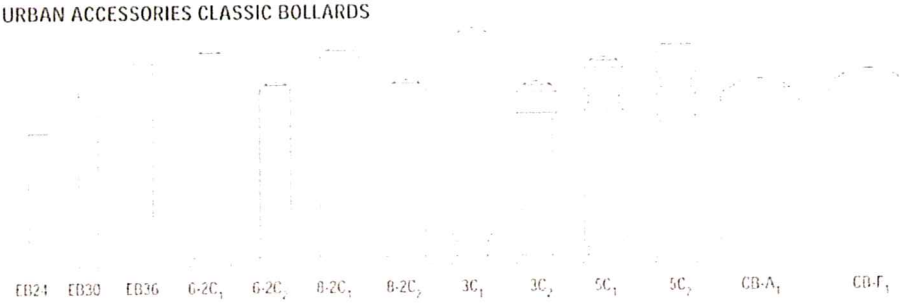
Lighted Bollards:
Light sources are UL listed and all lighted bollards come equipped with the necessary hardware needed for installation

Mounting Options:
Cast-in, Bolt-down (surface mount), or Removeable (see below).

BOLLARD MOUNTING OPTIONS

CAST-IN | BOLT DOWN | REMOVEABLE

URBAN ACCESSORIES CLASSIC BOLLARDS



BIKE RACKS

Materials:
Formed and welded steel construction. Standard finish is powdercoat. Optional finish is hot dip galvanize.

Mounting Options:
Boltdown (surface mount), or cast in place.

Gloss Black

Semi Gloss Black

Brahman Beige

Bronze Brown

Carousel Red

Cast Iron Grey

Florentine Blue

Haggard Blue

Pioneer Sq. Green

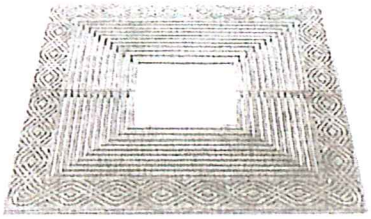
Rose Bisque

*Meets ADA Standards

TREE GRATES

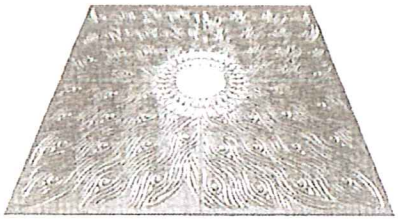
PATTERNS AVAILABLE AS COMBINATION SQUARE AND ROUND.

Trees and pedestrians alike require a certain measure of protection from each other and other elements of urban life. While our tree grates possess a decorative flavor and the ability to complement an area's surroundings, more importantly they provide protection and security to the tree, as well as providing a safe extension of the pedestrian walkway. Patterns available as combination Square and Round. See specification section for details.



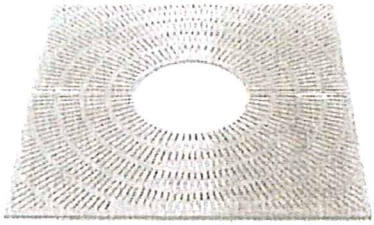
* CHINOOK

3', 4', 5', 6' SQ
42', 5' RD
4'X6' RCT



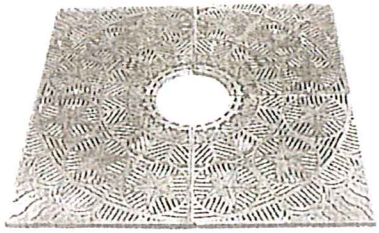
* PAVONE

5' SQ



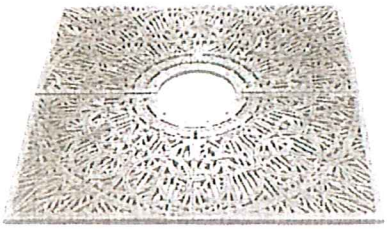
* KIVA-SQ

3', 42", 4', 5', 6' SQ
3x5', 3x6' 4x6', 4x8', 5x8' RCT



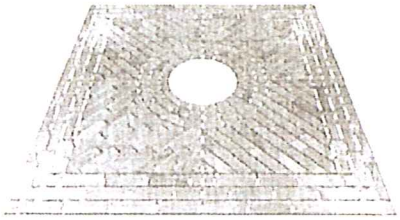
* NORTH STAR

5' SQ
5' RD



* OT TITLE-24

3', 42", 4', 5', 6', 8' SQ, RD, COMBO
3x5', 3'x6', 4x6', 4x8', RCT

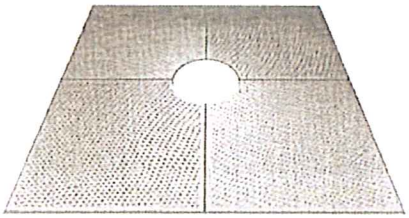


* PROSPECT

5' SQ

* COBBLESTONE

5' RD



* VIPER

5' SQ

* FLAT RAINBOW

2'6", 3', 4', 5', 6' RD
4', 5', 6' SQ

URBAN ACCESSORIES
TELEPHONE 877-487-0488 p3

SPECIFICATIONS

TREE GRATES, TRENCH GRATES, DRAIN COVERS, MANHOLE COVERS, & BUILDING BUTTONS

Materials:
Cast Iron per ASTM A48 class 35b or better.
Standard finish is raw cast grey iron.

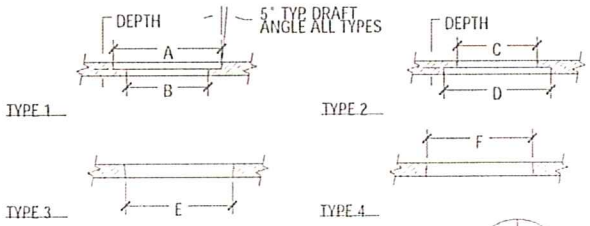
Materials Options:
Cast Aluminum per ASTM B26, Cast Ductile Iron (for vehicular traffic), or Cast Bronze per ASTM B271.

Finish Options:
Iron & Ductile Iron- Powdercoat, Paint (wetcoat), & Prime Coat.
Aluminum & Bronze- Powdercoat, Patina, Brush, & High Polish.

Lightholes, Electrical Access Holes, Fountain Jet Holes:
All patterns available with holes to accomodate fixtures, per customer specifications.
Also available: cast metal and lexan covers.

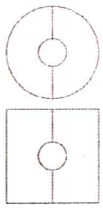
Sizes:
Dimensions stated are nominal. Due to variations in metal, shrinkage amounts may vary slightly from casting to casting; and may affect over-all length of trench runs.
Castings typically measure 1/8" under the size called out.
Frames are typically 5/8" oversized.
For exact dimensions, call Urban Accessories directly.

CUSTOM LIGHT PORT ORDERING INFO

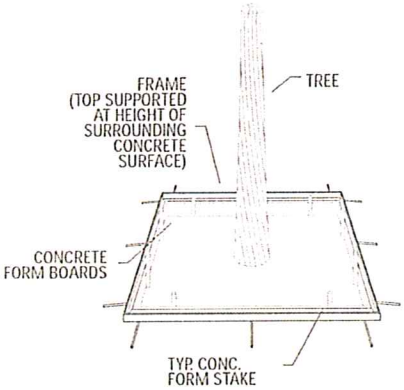


-INDICATE LOCATION/TYPE OF LIGHT PORT(S)
-NOTE DISTANCE FROM OUTSIDE EDGE(S) TO CENTER OF LIGHT PORT
-IF A LIGHTPORT STRADLES TWO SECTIONS, THERE WILL BE TWO PATTERN CHARGES

3' & 4' TREE GRATES = TWO SECTIONS
5' TREE GRATES = 4 SECTIONS
6' TREE GRATES, VARIES PER PATTERN



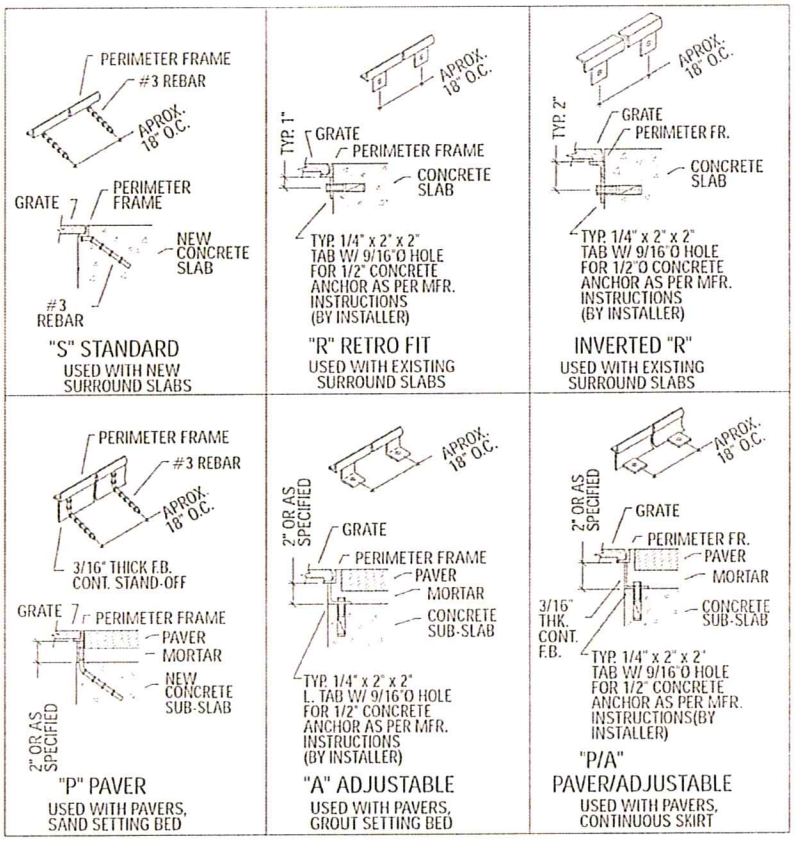
FRAME DETAILS



TREE GRATE FRAME INSTALLATION
STANDARD "S" FRAME USED AS CONCRETE FORM.
STAKES OR SPREADERS REQUIRED TO KEEP FRAME FROM DEFORMING DURING CONCRETE PLACEMENT

X-CUT

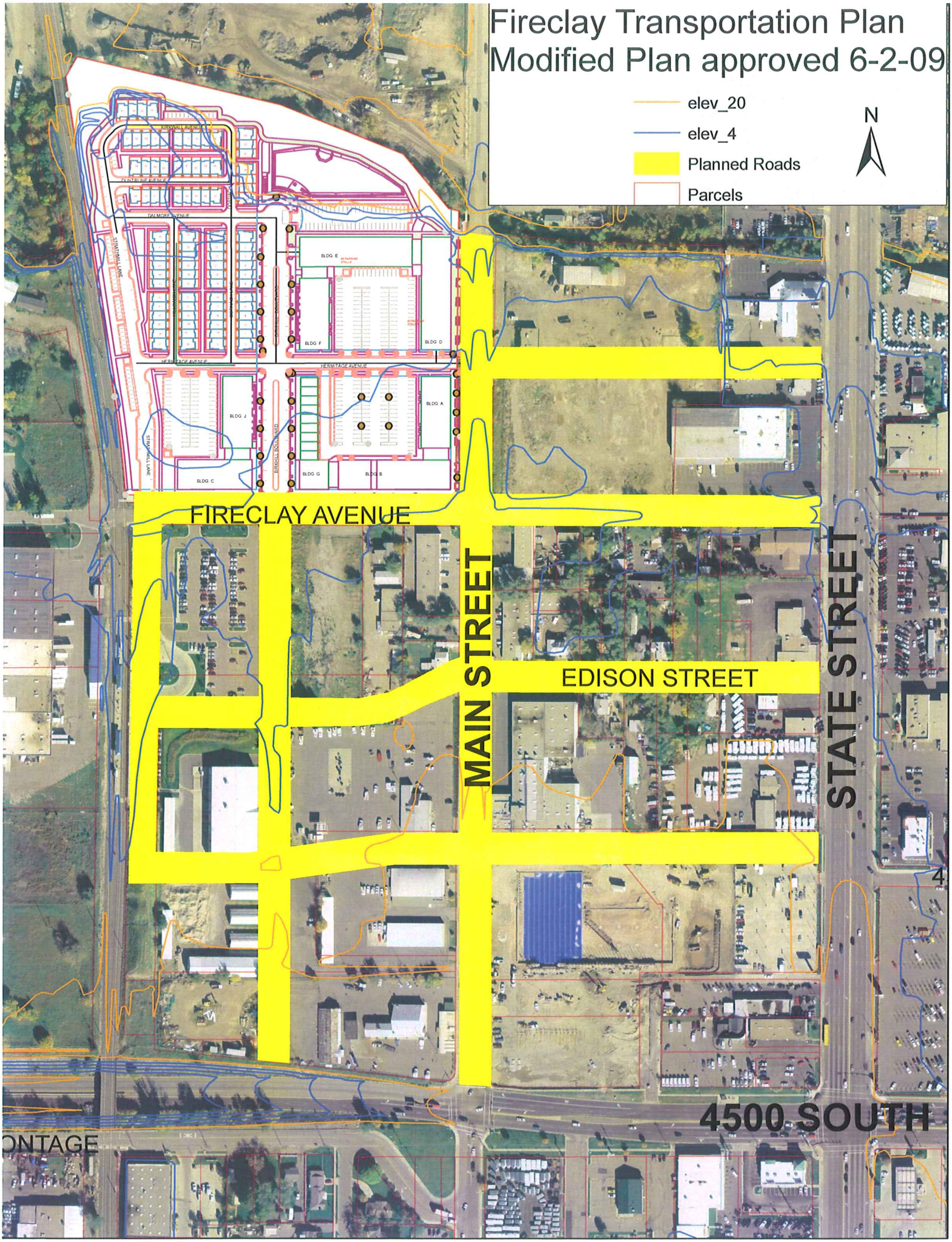
GRATE BOLT-DOWN DETAIL

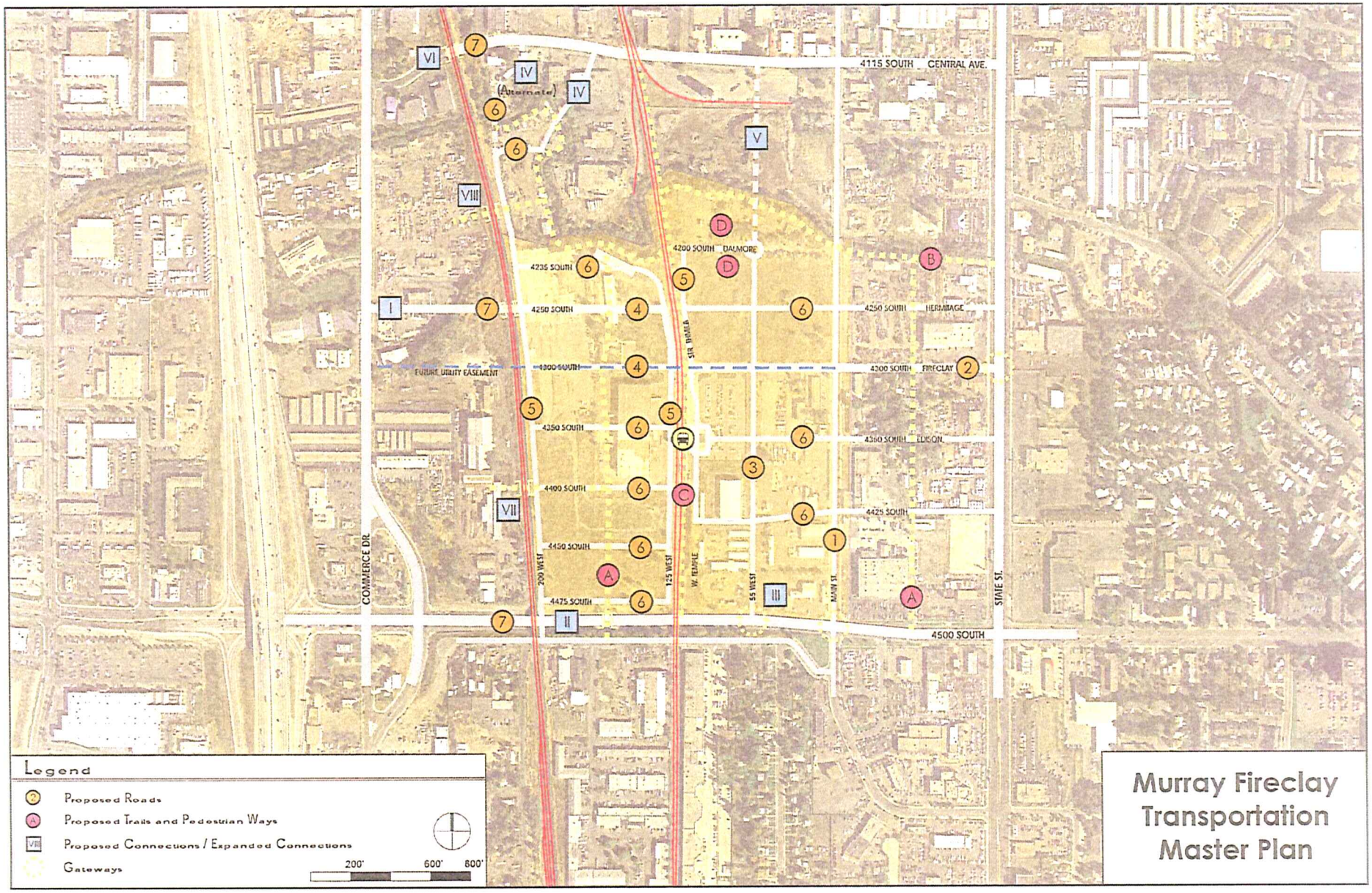


Maps, Roads

Updated June 2, 2009

Murray Fireclay Transportation Master Plan


Fireclay Transportation Plan
Modified Plan approved 6-2-09
elev_20
elev_4
Planned Roads
Parcels
N
FIRECLAY AVENUE
MAIN STREET
EDISON STREET
STATE STREET
4500 SOUTH
ONTAGE
BLDG E
BLDG F
BLDG D
BLDG A
BLDG J
BLDG C
BLDG G
BLDG B
HERMITAGE AVENUE
DALMORE AVENUE
STRATHMILL LANE
BIRKHILL BOULEVARD


4115 SOUTH CENTRAL AVE.
4200 SOUTH DALMORE
4235 SOUTH
4250 SOUTH
4250 SOUTH HERMITAGE
4300 SOUTH
4300 SOUTH FIRECLAY
FUTURE UTILITY EASEMENT
4350 SOUTH
4360 SOUTH EDISON
4400 SOUTH
4425 SOUTH
4450 SOUTH
4475 SOUTH
4500 SOUTH
COMMERCE DR
200 WEST
125 WEST
W. TEMPLE
55 WEST
MAIN ST.
STATE ST.
(Alternate)
Legend
Proposed Roads
Proposed Trails and Pedestrian Ways
Proposed Connections / Expanded Connections
Gateways
200'
600'
800'
Murray Fireclay Transportation Master Plan

MURRAY FIRECLAY TRANSPORTATION MASTER PLAN

SUMMARY OF IMPROVEMENTS

Proposed Roads

1. Primary North-South
2. Primary East-West
3. Promenade
4. Couplet
5. Secondary St. - Rail Adjacent
6. Residential Street
7. Underpass/Overpass
8. Alley

Proposed Trails and Pedestrian Ways

A. Pedestrian Trail
B. Creekside Trail
C. Railside Trail
D. Paseo (semi-private)

Proposed Connections / Expanded Connections

I. Fireclay Ave. over light rail and commuter rail to Commerce Dr.
II. 200 West bridge over 4500 South
III. 55 West connection to 4500 South
IV. 200 West bridge upgrade or alternate bridge
V. West Temple bridge over Cottonwood Creek
VI. Central Ave. (4115 South) over commuter rail
VII. Pedestrian crossing over/under commuter rail @ 4400 South
VIII. Pedestrian crossing over/under commuter rail @ 4200 South

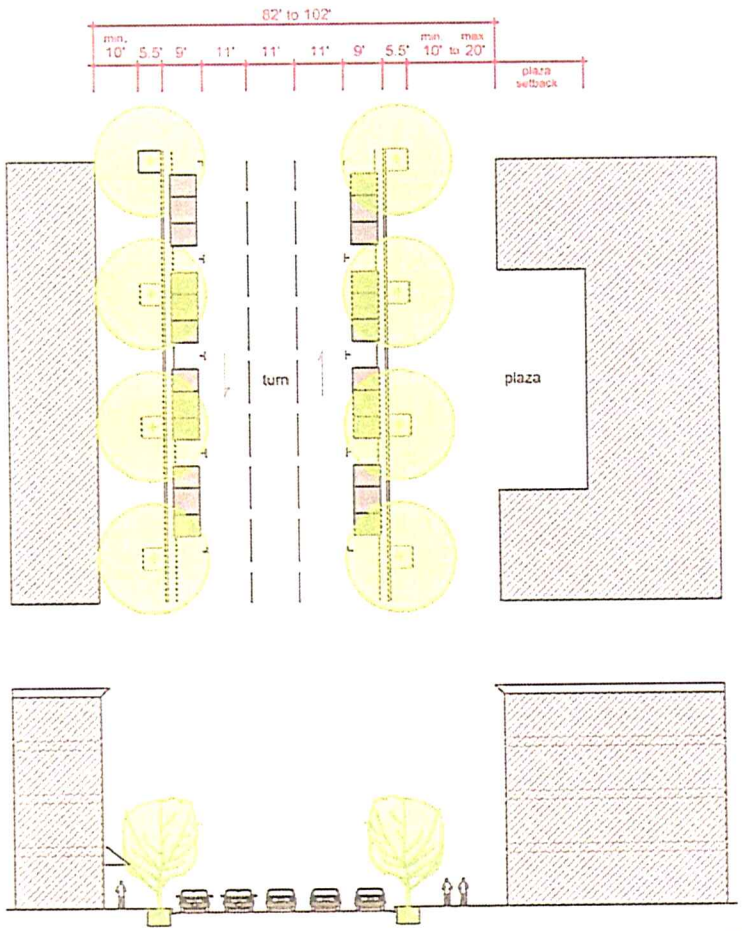
Gateways

- 55 West @ 4500 South
- Main @ 4500 South
- Fireclay @ State Street

Street Section	1. Principal North-South	2. Principal East-West	3. Promenade	4. Couplet	5. Secondary Street - Rail Adjacent	6. Residential Street	7. Underpass/Overpass	8. Alley
Includes:	Main Street	Fireclay Ave. (State St. to Commerce Dr./300 W)	Birkhall Blvd.	Fireclay Ave. 4250 S (West Temple to 200 W) Fireclay Ave. 4300 S (West Temple to 200 W)	Strathmill Way	Hermitage Lane Dalmore Way	Central Ave./ 4115 S under commuter rail Fireclay Ave./4250 S under commuter rail 200 W over 4500 S	Hillswick Lane Dornach Lane Dunfrune Lane Kirkwall Way
Thoroughfare Type	Principal, Commercial	Principal, Commercial	Residential, Commercial	Secondary	Secondary	Local	Underpass	Alley
Right-of-Way Width	82' to 102'	71' to 91'	65'	61'	55'	**Option A** *(preferred)* - 57' **Option B** *(subject to City approval)* - 49'	47'	22'
Private Setback Width	0' to 10' each side	0' to 10' each side	9' each side from back of sidewalk	5' min. from back of sidewalk	5' min from back of sidewalk	4' min from back of sidewalk	none	5' min. from back of curb
Pavement Width	51' *(face of curb to face of curb)*	40' *(face of curb to face of curb)*	62' *(face of curb to face of curb, excluding median)*	25' *(face of curb to face of curb)*	33' *(face of curb to face of curb)*	29' *(face of curb to face of curb)*	20' *(face of curb to face of curb)*	22' *(back of curb to back of curb)*
Movement	Slow	Slow	Slow	Slow	Slow	Slow	Slow	Very slow
Design Speed	20 mph	20 mph	20 mph	20 mph	20 mph	15 mph	20 mph	5 mph
Pedestrian Crossing Time *(3.0 ft per second)*	15 seconds	12 seconds	19 seconds including median break	8 seconds	10 seconds	8 seconds	8 seconds	5 seconds
Traffic Lanes	2 travel lanes - 11' each 1 center turn lane - 11'	2 travel lanes - 11' each	2 travel lanes - 16' each	1 one-way travel lane - 14'	2 travel lanes - 11' each	2 travel lanes - 11' each	2 travel lanes - 11' each	2 travel lanes - 9' each
Parking Lanes	2 marked parallel parking lanes – 9' each *(including gutters)*	2 marked parallel parking lanes – 9' each *(including gutters)*	2 marked parallel parking lanes – 9' each *(including gutters)*	1 marked parallel parking lane – 9' *(including gutter)*	1 marked parallel parking lane - 9' *(including gutter)*	None, but on-street parking permitted	none	none
Curb and Gutter	2 curb/gutters – 2.5' each 20' curb radius	2 curb/gutters - 2.5' each 15' curb radius	2 curb/gutters - 2.5' each 10' curb radius	2 curb/gutters - 2.5' each 10' curb radius	2 curb/gutters - 2.5' each 10' curb radius	2 curb/gutters - 2.5' each 10' curb radius	2 curb/gutters - 2.5' each 10' curb radius	2 rolling curbs - 2' each 10' curb radius
Public Frontage Type	Commercial Storefront	Commercial Storefront	Residential Commercial	Residential Mixed-Use	Residential Rail line	Residential	building side frontage	Service Garage Access
Landscape and Walkway	2 sidewalks - min. 10' each **Landscape Options:** 5.5' concrete park strip *(including curb)* with 5'x5' tree wells or planters Tree spacing - 30' to 50' o.c. Planter spacing - 30' to 50' o.c.	2 sidewalks - min. 10' each **Landscape Options:** 5.5' concrete park strip *(including curb)* with 5'x5' tree wells or planters Tree spacing - 30' to 50' o.c. Planter spacing - 30' to 50' o.c.	2 sidewalks - min. 6' each 12' *(including curb)* planted median with trees **Landscape Options:** 5.5' concrete park strip *(including curb)* with 5'x5' tree wells or planters Tree spacing - 30' to 50' o.c. Planter spacing - 30' to 50' o.c.	**Park Side of Street:** 10' sidewalk 10.5' park strip w/ trees *(including curb)* **Building Side of Street:** 6' sidewalk 9.5' park strip w/ trees *(including curb)*	**Rail Side of Street:** 10' trail 10.5' park strip w/ trees *(including curb)* **Building Side of Street:** 6' sidewalk 9.5' park strip w/ trees *(including curb)*	**Option A:** *(preferred)* 2 sidewalks - 6' each 2 park strips with trees, adjacent to street - 9.5' each *(including curb)*, plus 4' landscaped building setback **Option B:** *(subject to City approval)* 2 sidewalks - 6' each 2 park strips with trees, adjacent to street - 5.5' each *(including curb)*, plus 4' private landscaped building setback	2 sidewalks - 10.5' each *(including curb)*	none
Traffic Calming	4' to 9' pedestrian bulb-out at corners, mid-block crossings on blocks over 300' long	4' to 9' pedestrian bulb-out at corners, mid-block crossings on blocks over 300' long	4' to 9' pedestrian bulb-out at corners, mid-block crossings on blocks over 300' long	4' to 9' pedestrian bulb-out at corners, mid-block crossings on blocks over 300' long	4' to 9' pedestrian bulb-out at corners with parking, mid-block crossings on blocks over 300' long	none	4' to 9' pedestrian bulb-outs at corners	none
Streetscape	see streetscape design standards	see streetscape design standards	see streetscape design standards	see streetscape design standards	see streetscape design standards	see streetscape design standards	see streetscape design standards	see streetscape design standards
Note:					Trail: Trail can be placed inside or outside UTA right-of-way as easement permits, as per site plan approval. Parking: Angled or perpendicular parking allowed with additional landscaping	Sidewalk may be eliminated from one side of the street only as special exception if no pedestrian access to building fronts the street, and if determined acceptable through site development review.		Allow parallel or perpendicular parking as approved by City.

1. Principal North-South

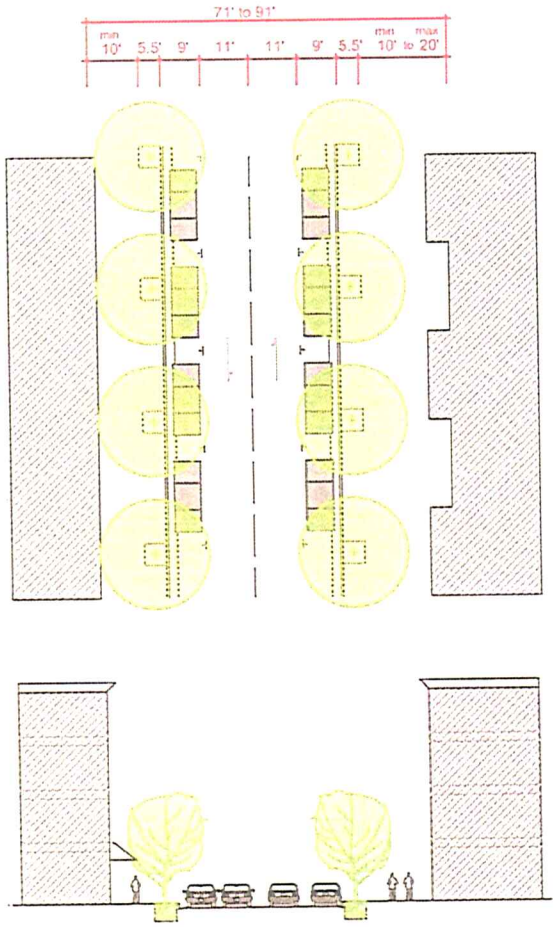
Includes:
Main St.



Thoroughfare Type	Principal, Commercial
Right-of-Way Width	82' to 102'
Private Setback Width	0' to 10' each side
Pavement Width	51' *(face of curb to face of curb)*
Movement	slow
Design Speed	20 mph
Pedestrian Crossing Time	15 seconds *(3.3 ft per second)*
Traffic Lanes	2 travel lanes – 11' each 1 center turn lane – 11'
Parking Lanes	2 marked parallel parking lanes – 9' each *(including gutters)*
Curb and Gutter	2 curb/gutters – 2.5' each 20' curb radius
Public Frontage Type	Commercial/Storefront
Walkway	2 sidewalks – min. 10' each
Landscape	5.5' concrete park strip *(including curb)* with 5'x5' tree wells or planters tree spacing – 30' to 50' on center planter spacing – 30' to 50' on center
Traffic calming	4' to 9' pedestrian bulb-out at corners, mid-block crossings on blocks over 300' long
Streetscape	see streetscape design standards

2. Principal East-West

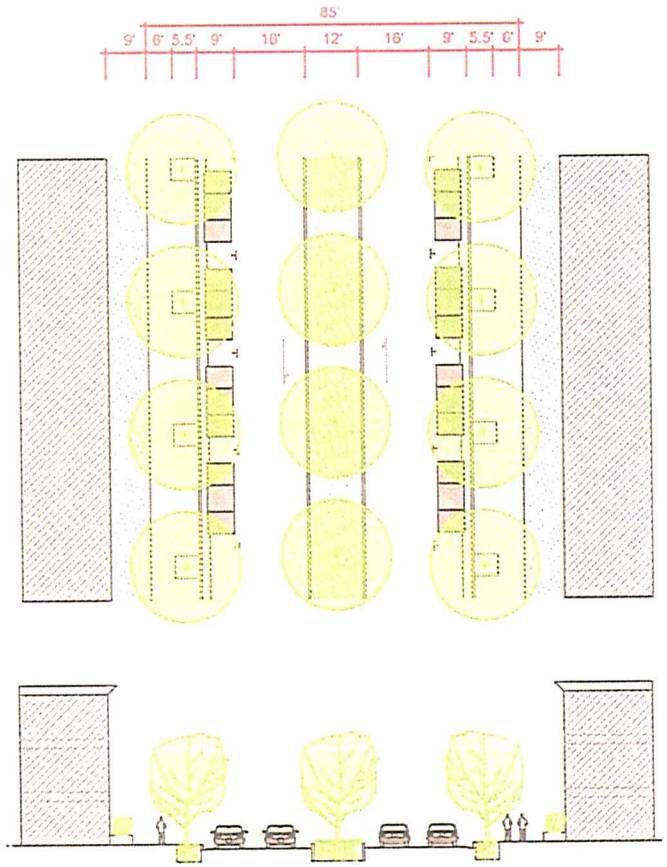
Includes:
Fireclay Ave. (200 West to Commerce Dr./300 West)



Thoroughfare Type	Principal, Commercial
Right-of-Way Width	71' to 91'
Private Setback Width	0' to 10' each side
Pavement Width	40' *(face of curb to face of curb)*
Movement	slow
Design Speed	20 mph
Pedestrian Crossing Time	12 seconds *(3.3 ft per second)*
Traffic Lanes	2 travel lanes – 11' each
Parking Lanes	2 marked parallel parking lanes – 9' each *(including gutters)*
Curb and Gutter	2 curb/gutters – 2.5' each 15' curb radius
Public Frontage Type	Commercial/Storefront
Walkway	2 sidewalks – 10' min. each
Landscape	5.5' concrete park strip *(including curb)* with 5'x5' tree wells or planters tree spacing – 30' to 50' on center planter spacing — 30' to 50' on center
Traffic calming	4' to 9' pedestrian bulb-out at corners, mid-block crossings on blocks over 300' long
Streetscape	see streetscape design standards

3. Promenade

Includes:
Birkhill Blvd.

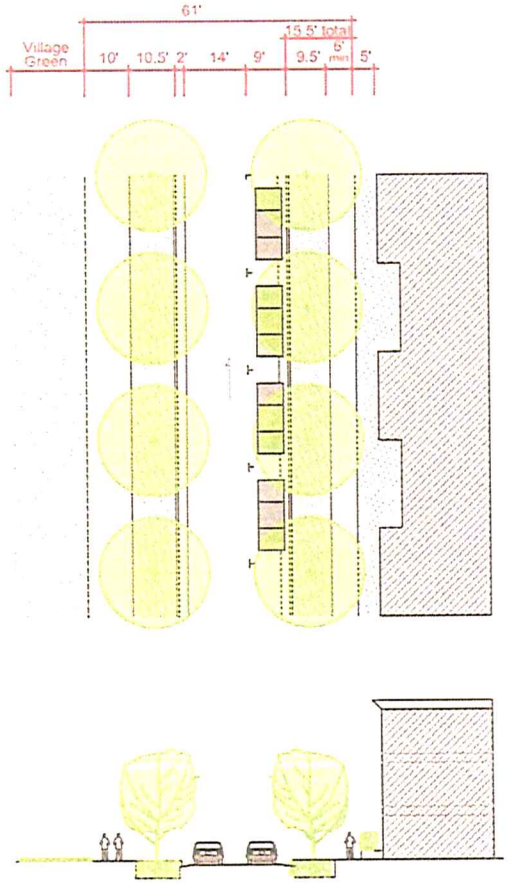


Thoroughfare Type	Residential / Commercial
Public Right-of-Way Width	85'
Private Setback Width	9' each side from back of sidewalk
Pavement Width	62' *(face of curb to face of curb, excluding median)*
Movement	Slow
Design Speed	20 mph
Pedestrian Crossing Time	19 seconds including median break
Traffic Lanes	2 travel lanes – 16' each
Parking Lanes	2 marked parallel parking lanes – 9' each *(including gutters)*
Curb and Gutter	2 curb/gutters – 2.5' each 10' curb radius
Public Frontage Type	Residential, Commercial
Walkway	2 sidewalks – 6' min. each
Landscape	5.5' concrete park strip *(including curb)* with 5'x5' tree wells or planters tree spacing – 30' to 50'on center planter spacing — 30' to 50' on center 12' *(including curb)* planted median w/ trees
Traffic calming	4' to 9' pedestrian bulb-out at corners, mid-block crossings on blocks over 300' long
Streetscape	see streetscape design standards

4. Couplet

Includes:

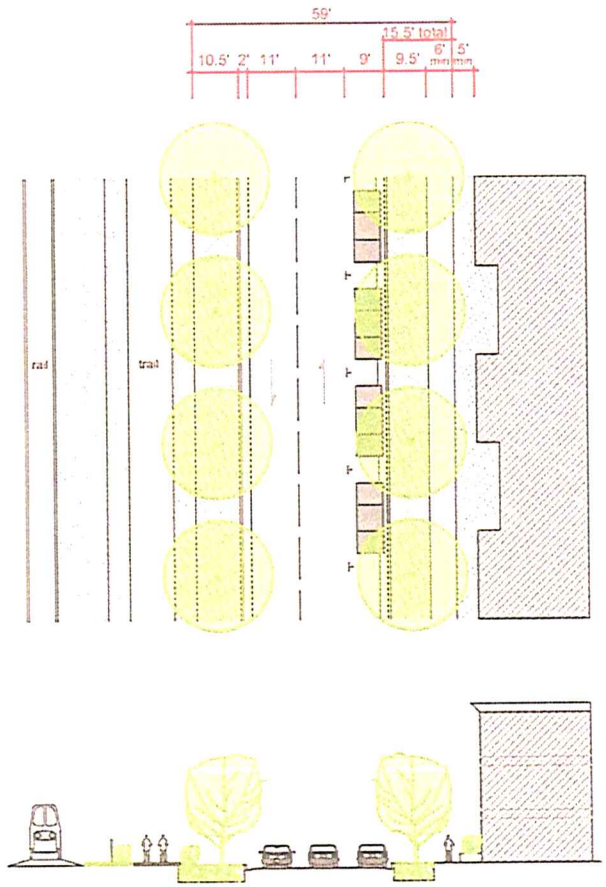
Fireclay Ave. 4250 South (West Temple to 200 W)
Fireclay Ave. 4300 South (West Temple to 200 W)



Thoroughfare Type	Secondary
Right-of-Way Width	61'
Private Setback Width	5' min. from back of sidewalk
Pavement Width	25' *(face of curb to face of curb)*
Movement	Slow
Design Speed	20 mph
Pedestrian Crossing Time	8 seconds *(3.3 ft per second)*
Traffic Lanes	1 one-way travel lane – 14'
Parking Lanes	1 marked parallel parking lane – 9' *(including gutter)*
Curb and Gutter	2 curb/gutters – 2.5' each 10' curb radius
Public Frontage Type	Residential/Mixed Use
Walkway	Park side – 10' sidewalk Building side – 6' sidewalk
Landscape	Park side – 10.5' park strip with trees* Building side – 9.5' park strip with trees* **including curb*
Traffic calming	64' to 9' pedestrian bulb-out at corners, mid-block crossings on blocks over 300' long
Streetscape	see streetscape design standards

5. Secondary Street - Rail Adjacent

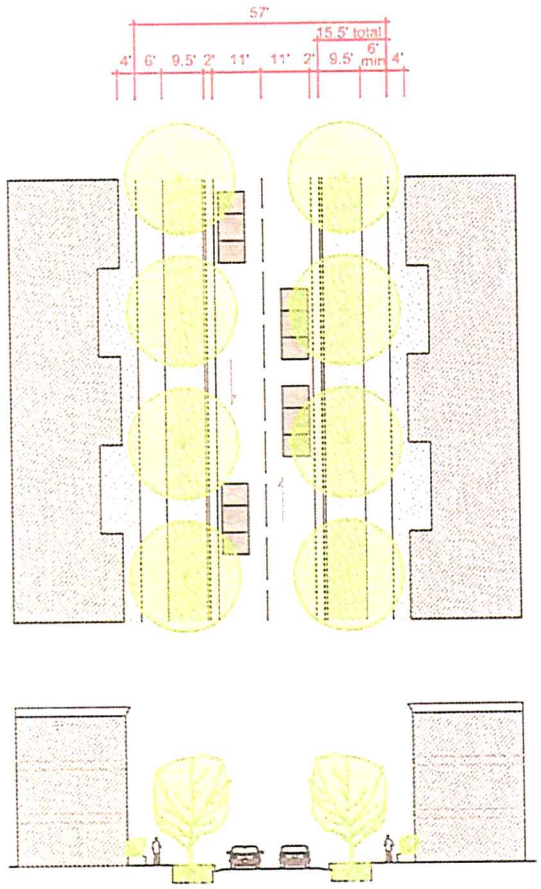
Includes:
Strathmill Way



Thoroughfare Type	Secondary
Right-of-Way Width	59'
Private Setback Width	5' min. from back of sidewalk
Pavement Width	33' *(face of curb to face of curb)*
Movement	Slow
Design Speed	20 mph
Pedestrian Crossing Time	10 seconds *(3.3 ft per second)*
Traffic Lanes	2 travel lanes – 11' each
Parking Lanes	1 marked parallel parking lane – 9' *(including gutter)*
Curb and Gutter	2 curb/gutters – 2.5' each 10' curb radius
Public Frontage Type	Residential, rail line
Walkway	Rail side – 10' trail Building side – 6' sidewalk
Landscape	Rail side – 10.5' park strip with trees* Building side – 9.5' park strip with trees* **including curbs*
Traffic calming	4' to 9' pedestrian bulb-out at corners, mid-block crossings on blocks over 300' long
Streetscape	see streetscape design standards
Notes:	Trail: Trail can be placed inside or outside UTA right-of-way as easement permits, and as per site plan approval. Parking: Angled or perpendicular parking allowed with additional landscaping

6. Residential Street

Includes:
Hermitage Avenue
Dalmore Avenue

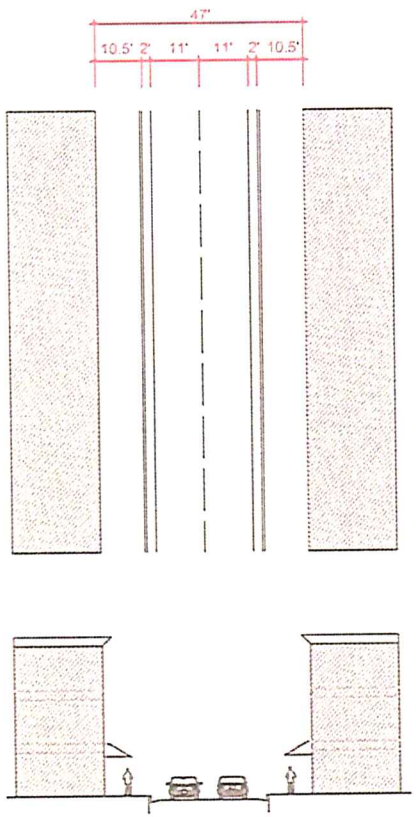


Thoroughfare Type	Local
Right-of-Way Width	**Option A** *(preferred)* 57' **Option B** *(subject to City approval)* 49'
Private Setback Width	4' min. from back of sidewalk
Pavement Width	26' *(face of curb to face of curb)*
Movement	Slow
Design Speed	15 mph
Pedestrian Crossing Time	8 seconds *(3.3 ft per second)*
Traffic Lanes	2 travel lanes – 11' each
Parking Lanes	None, but on-street parking permitted
Curb and Gutter	2 curb/gutters – 2.5' each 10' curb radius
Public Frontage Type	Residential
Walkway	6' sidewalk
Landscape	**Option A** *(preferred)* 9.5' park strip w/trees, adjacent to street* **Option B** *(subject to City approval)* 5.5' park strip w/ trees, adjacent to street* and 4' private landscaped building setback **including curbs*
Traffic calming	none
Streetscape	see streetscape design standards

7. Underpass/Overpass

Includes:

Central Ave./4115 South under commuter rail
Fireclay Ave./4250 South under commuter rail
200 West over 4500 South

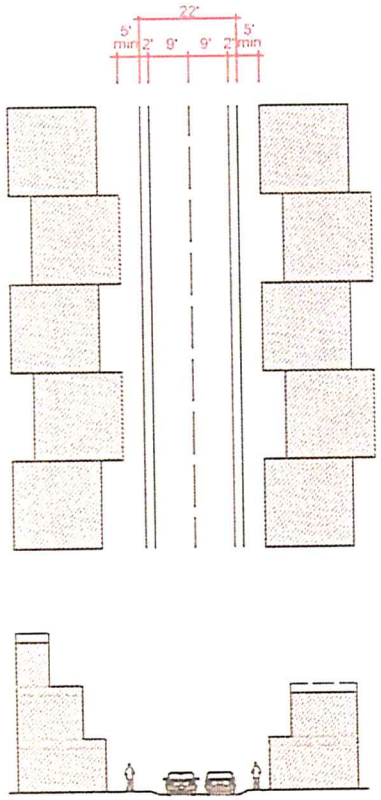


Thoroughfare Type	Underpass
Right-of-Way Width	47'
Private Setback Width	none
Pavement Width	26' *(face of curb to face of curb)*
Movement	slow
Design Speed	20 mph
Pedestrian Crossing Time	8 seconds *(3.3 ft per second)*
Traffic Lanes	2 travel lanes – 11' each
Parking Lanes	none
Curb and Gutter	2 curb/gutters – 2.5' each 10' curb radius
Public Frontage Type	building side frontage
Walkway	2 sidewalks – 10.5' each *(including curb)*
Landscape	none
Traffic calming	4' to 9' pedestrian bulb-outs at corners
Streetscape	see streetscape design standards

8. Alley

Includes:

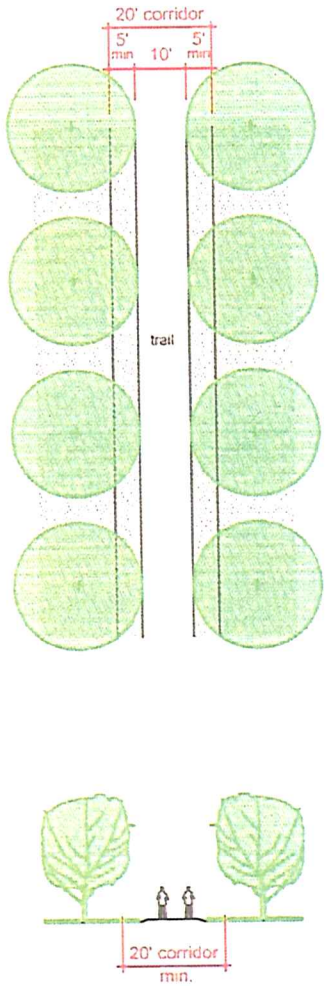
Hillswick Lane
Dornack Lane
Duntnine Lane
Kirkwall Way



Thoroughfare Type	Alley
Right-of-Way Width	22'
Private Setback Width	5' min. from back of curb
Pavement Width	22' *(back of curb to back of curb)*
Movement	Very Slow
Design Speed	5 mph
Pedestrian Crossing Time	5 seconds *(3.3 ft per second)*
Traffic Lanes	2 travel lanes – 9' each
Parking Lanes	none
Curb and Gutter	2 rolling curbs – 2' each 10' curb radius
Public Frontage Type	service, garage, access
Walkway	none
Landscape	none
Traffic calming	none
Streetscape	none
Notes:	Allow parallel or perpendicular parking as approved by City.

A. Pedestrian Trail

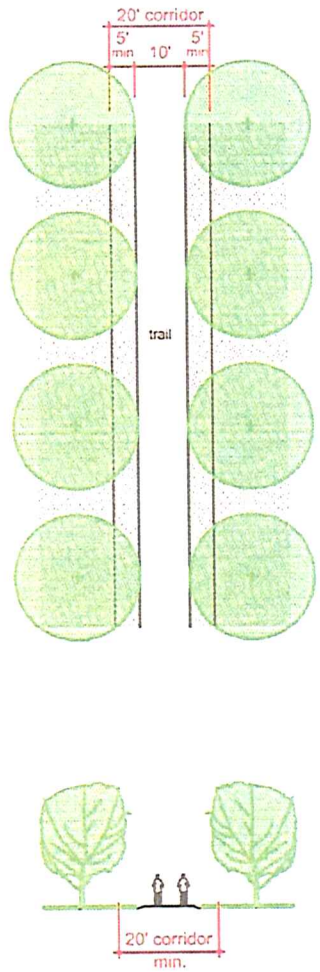
Includes:
Not designated



Trail Type	Circulation
Corridor Width	20'
Path Width	10'
Walking surface	concrete
Uses	walking, strollers
Landscape	5' min. park strip each side
Drainage	Drain to park strip
Note:	

B. Creekside Trail

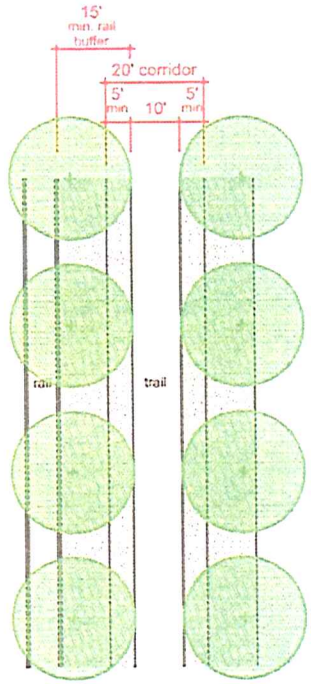
Includes:
Not designated

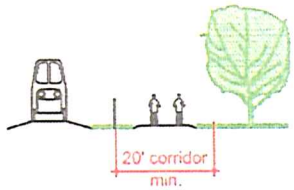


Trail Type	Recreation
Corridor Width	20'
Path Width	10'
Walking surface	asphalt
Uses	walking, biking, recreation
Landscape	5' min. park strip each side
Drainage	swale to natural areas
Note:	

C. Railside Trail

Includes:
Not designated

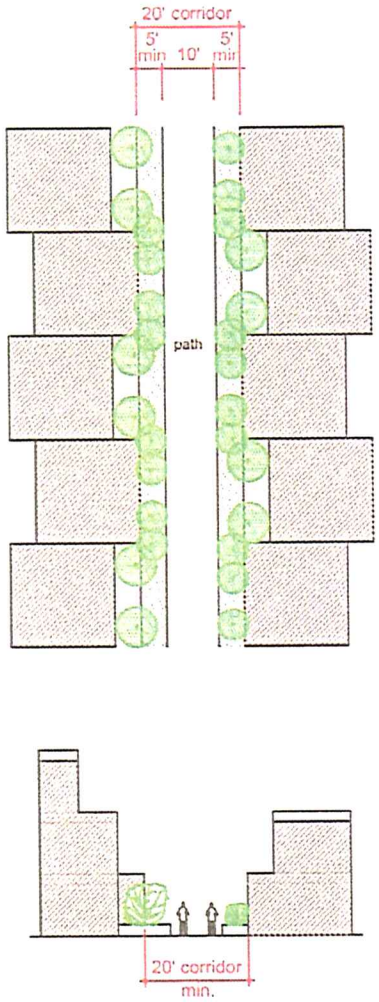




Trail Type	Circulation and Recreation
Corridor Width	20'
Path Width	10'
Walking surface	asphalt
Uses	walking, biking, recreation
Landscape	15' rail buffer
Drainage	drain buffer area
Note:	Trail may be located within UTA corridor, or road right-of-way, depending on easements granted.

D. Pedestrian Paseo

Includes:
Not designated



Trail Type	Access
Corridor Width	20'
Path Width	10'
Walking surface	concrete
Uses	walking, access, deliveries
Landscape	5' min. park strip each side
Drainage	drain to park strip
Note:	Corridor and path widths may be adjusted for paseos designed for private access, as exceptions granted through individual site plan review.