

City of Meridian Downtown Streetscape Design Guidelines

March 2007



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Introduction

Meridian Downtown Streetscape Design Guidelines

Purpose and Vision

The design of sites is an integral part of any development. Aspects of site design include site improvements such as paving and materials choices; site furnishings such as benches and architectural elements; landscape elements and plant materials, and lighting. All elements of site design should contribute to the overall character of Downtown Meridian, conveying both its small town history and its transition to an urban city.

Well designed streets and sidewalks add value and act as a catalyst to the development of private property. They provide the setting for land use. Sidewalk width, materials and site furnishings affect pedestrian activity and aesthetic quality and help determine how the adjacent businesses are developed and used.

Public Process

A series of meetings were held in the fall of 2006 with the design guidelines advisory committee which included representatives from Meridian Development Corporation (MDC), Meridian Parks and Recreation, Meridian Planning and Zoning, Chamber of Commerce, Meridian Public Works and Ada County Highway District. These meetings resulted in a Conceptual Streetscape Prototype that was approved by the advisory committee. This prototype was put on display around the community for public comment. Upon receipt of public comment the prototype was brought before the MDC for adoption. The Streetscape Prototype was adopted by the MDC on DATE.

Meridian Downtown Streetscape History

- 1928: E. First St. paved, designated by the State as part of State Highway 55. (Designation was changed with the opening of the Eagle Road interchange, when Highway 55 was moved to Eagle Rd.)
- 1979: Meridian Chamber of Commerce Downtown Development Committee established to work on improvements for E. First St. (now Main St.), including paving, landscaping and parking.
- 1982: A group of downtown businessmen and women propose an improvement association, due to concerns of the appearance of downtown Meridian. The effort failed, because some business owners did not think the problem was bad enough to warrant a monetary contribution from themselves.
- 1989: With the promise of a \$5,000 matching grant from West One Bank, the City of Meridian and Meridian Chamber of Commerce each contributed \$2500 for a Downtown Master Plan and Financing Plan. Community meetings, interviews with citizens and public hearings were held throughout 1989. Some business owners still objected to the formation of an L.I.D. as part of the financing plan.
- June 1990: The Meridian City Council approved an L.I.D. to finance 22% of the improvement project.



Introduction

Meridian Downtown Streetscape Design Guidelines

November 1990: The City of Meridian successfully raised \$905,000 and applied for a \$400,000 Idaho Community Development Block Grant in November 1990, for improvements to E. First St. The Grant application included information on the hodge podge of cracked and patched sidewalks, lack of sidewalks in some areas, a mix of asphalt, concrete or no curbs, lack of drainage and no handicap ramps. The Grant application was denied.

July 1991: Construction began on Phase I of the E. First St. project. Funding came from the Idaho Transportation Dept., ACHD, City of Meridian, and the downtown L.I.D. Phase I work was on E. First St. only, including complete street excavation, new drainage system, new water pipes, street widening to two lanes with a center turn lane, new sidewalks faced with 2 feet of brick up to the curb, curbs, gutters, new streetlights and landscaping. Total project cost \$1.37 million. (When the ICDBG was turned down, the City went to ACHD & ITD, saying that the moving of Hwy. 55 to Eagle Rd. was leaving the City with a “mess” on E. First St. Both ITD and ACHD increase their participation in the project to \$325,000.)

November 11, 1991: Dedication of Phase I.

March 1993: Phase II begins with plans to make similar improvements on Idaho Ave. between Meridian Rd and E. 2nd St., E. 2nd St. between Idaho and Broadway Avenues, and Broadway between E. First and E. 2nd Sts. Part of the funding was through an approved \$400,000 ICDBG. Phase II improvements that were actually made included the Idaho Ave. project, the south side of Broadway between E. 1st and E. 2nd, and some work on E. 2nd.

General Standards Overview

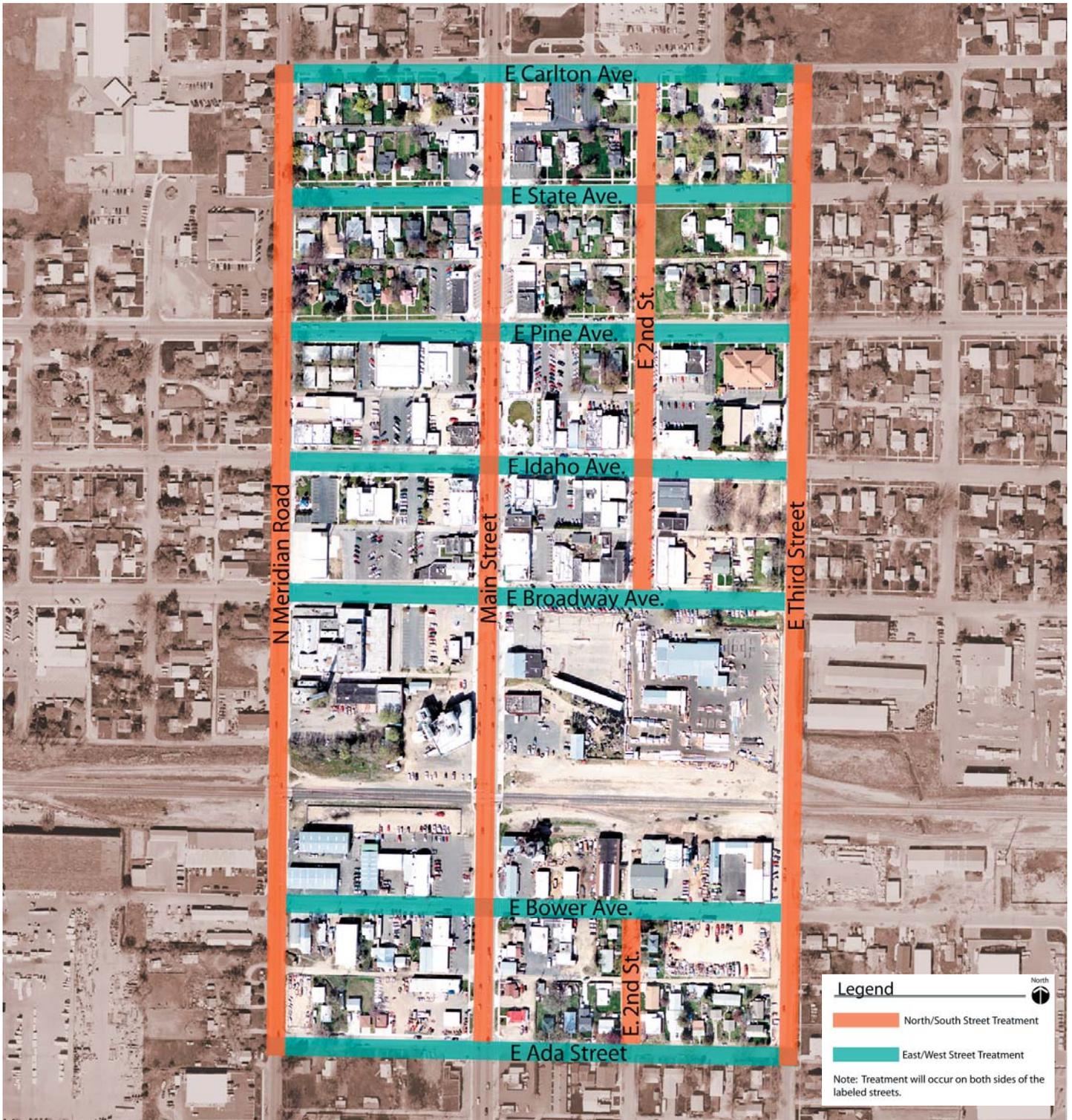
The goal of this document is to designate the streetscape as 3 distinct zones. These zones are 1) Street Furnishings Zone, 2) Pedestrian Movement Zone and 3) Commerce Zone. The Street Furnishings Zone is located adjacent to the street and provides designated area for site furniture and amenities. This zone encourages pedestrians to remain on the street longer and ensures the furnishings do not interfere with pedestrian traffic. The Pedestrian Movement Zone is a minimum 5' wide concrete sidewalk providing convenient travel for pedestrians. The Commerce Zone is a minimum 5' wide paved area adjacent to the face of the building. This provides a space for business owners to provide services outside of the building walls.

It may not be possible to provide all three zones on every downtown block. The Pedestrian Movement Zone and the Street Funishing Zone should be the priority over the Commerce Zone.

Geographic Scope

Meridian Downtown Streetscape Design Guidelines

The MDC worked to define the physical space for which the Streetscape Design Guidelines would apply. Due to its unique character as “Down Town Meridian” the area shown in the graphic on the facing page has been selected for implementation of the Streetscape Design Guidelines.

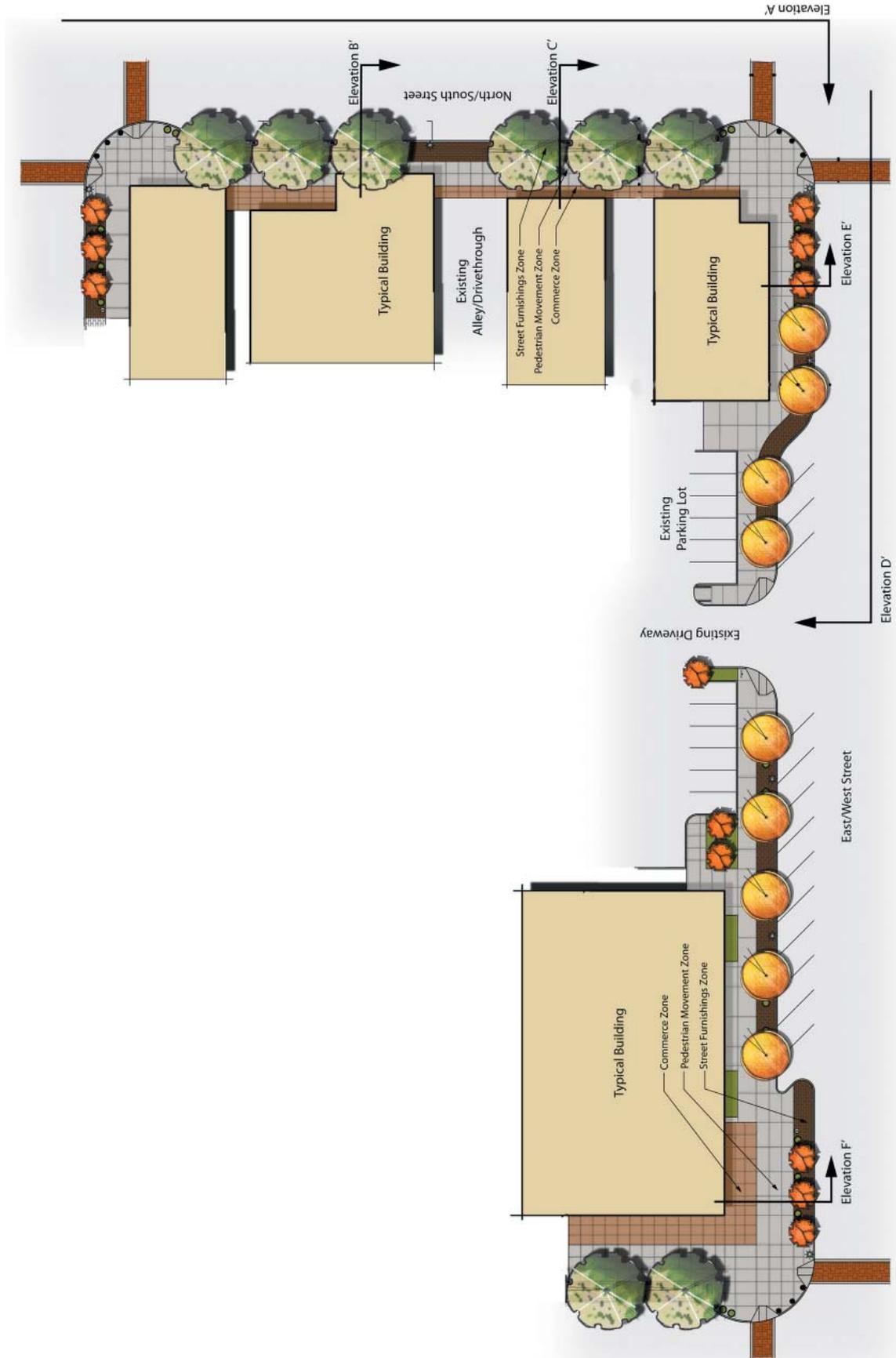


Block Prototype

Meridian Downtown Streetscape Design Guidelines

The MDC worked through the public process to develop a one block prototype. This prototype portrays the spatial intent of the design guide lines.

Detailed information for each streetscape zone follows.



North/South Streetscape

Meridian Downtown Streetscape Design Guidelines

Description: The North / South streets of Meridian Road, Main Street and 1st East Street carry the majority of the vehicular traffic through down town Meridian. Due to the city block design of the down town area, the North / South streetscape is designed for a higher concentration of development such as ground floor retail, restaurants and entertainment uses and on street parallel parking. This streetscape is designed for a high volume of pedestrian use and is designed to buffer the pedestrian from the street as well as to encourage the pedestrian to linger within the streetscape while traveling to and from the businesses.

The North / South streets are comprised of the three streetscape zones between the curb and the face of the building; 1) Street Furnishings Zone, 2) Pedestrian Movement Zone and 3) Commerce Zone. The intent of the guidelines is to provide each of these three zones when adequate space is available.

Dimensions

- Minimum from face of building to back of curb: 13'
- Street Furnishing Zone: 8' minimum
- Pedestrian Movement Zone: 5' minimum
- Commerce Zone: 5' minimum

Surface Material and Treatment

- Brick pavers in Street Furnishing Zone.
- Concrete sidewalk in Pedestrian Movement Zone.
- Enhanced concrete paving in Commerce Zone. Enhanced concrete shall be colored and or scored in a manner to distinguish it from the Pedestrian Movement Zone.

Site Furnishings

- Approved street lights located approximately 60' on center placed at the back of curb. Lights should be centered between trees and conflicts with trees should be avoided.
- Benches, trash receptacles, bicycle racks and other furnishings shall conform to the Technical Specifications section of this document.

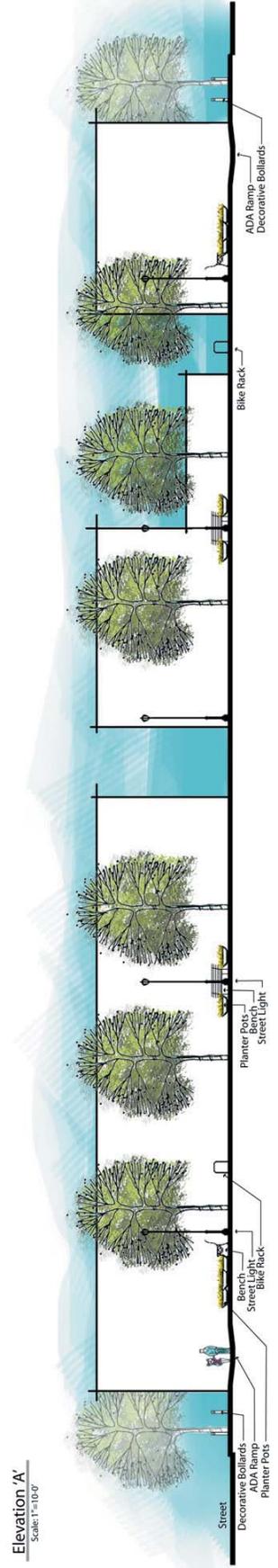
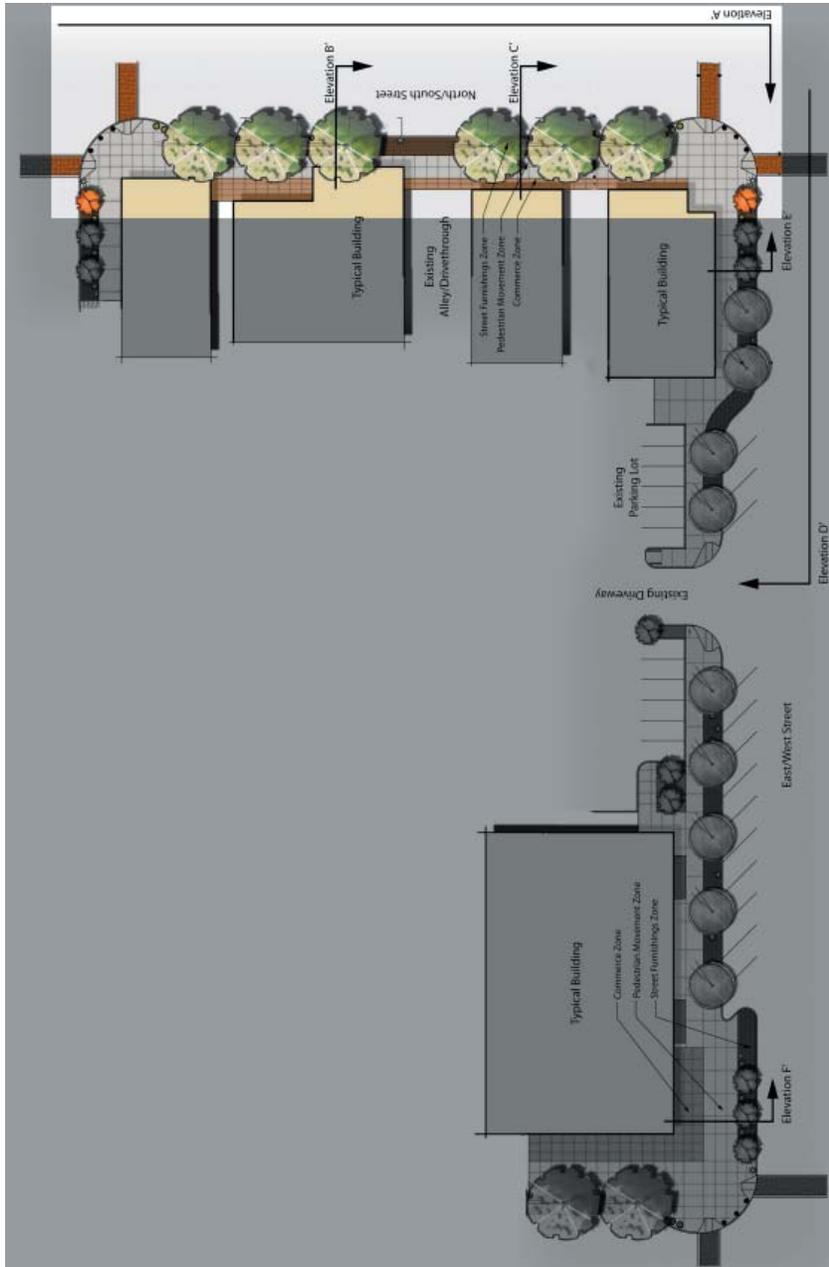
Street Trees

- Class III trees shall be placed in the Furnishing Zone at approximately 32' spacing. Trees shall be placed to avoid conflicts with alleys and streetlights. There shall be 6 trees per block where possible.
- Tree species shall be limited to Class I within 15' of overhead power lines.
- Coordinate planning and installation of trees with Meridian City Parks Department.

Note

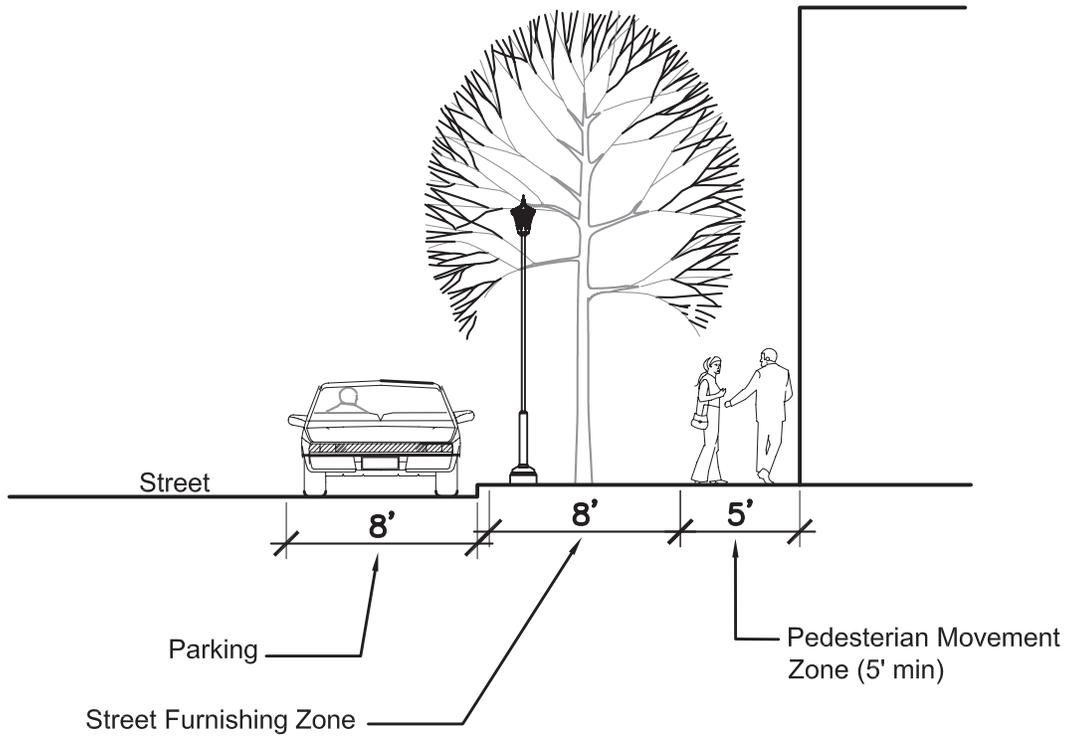
- Some variation in how these standards are applied may be appropriate to account for site specific conditions.
- Furnishings and street trees shall accommodate Ada County Highway District sight visibility requirements.
- All furnishings, trees and improvements in the street right-of-way require a license agreement and/or other form of approval by the Ada County Highway District.
- All pedestrian walkways and ramps shall be ADA compliant.

North/South Streetscape



Elevation 'A'
Scale: 1" = 10'-0"

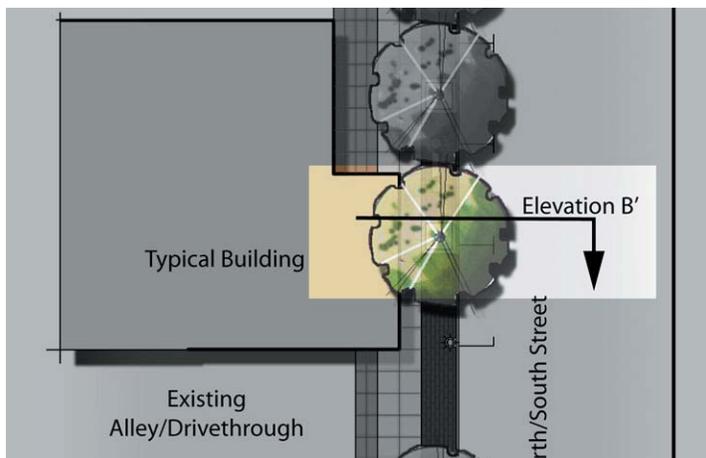


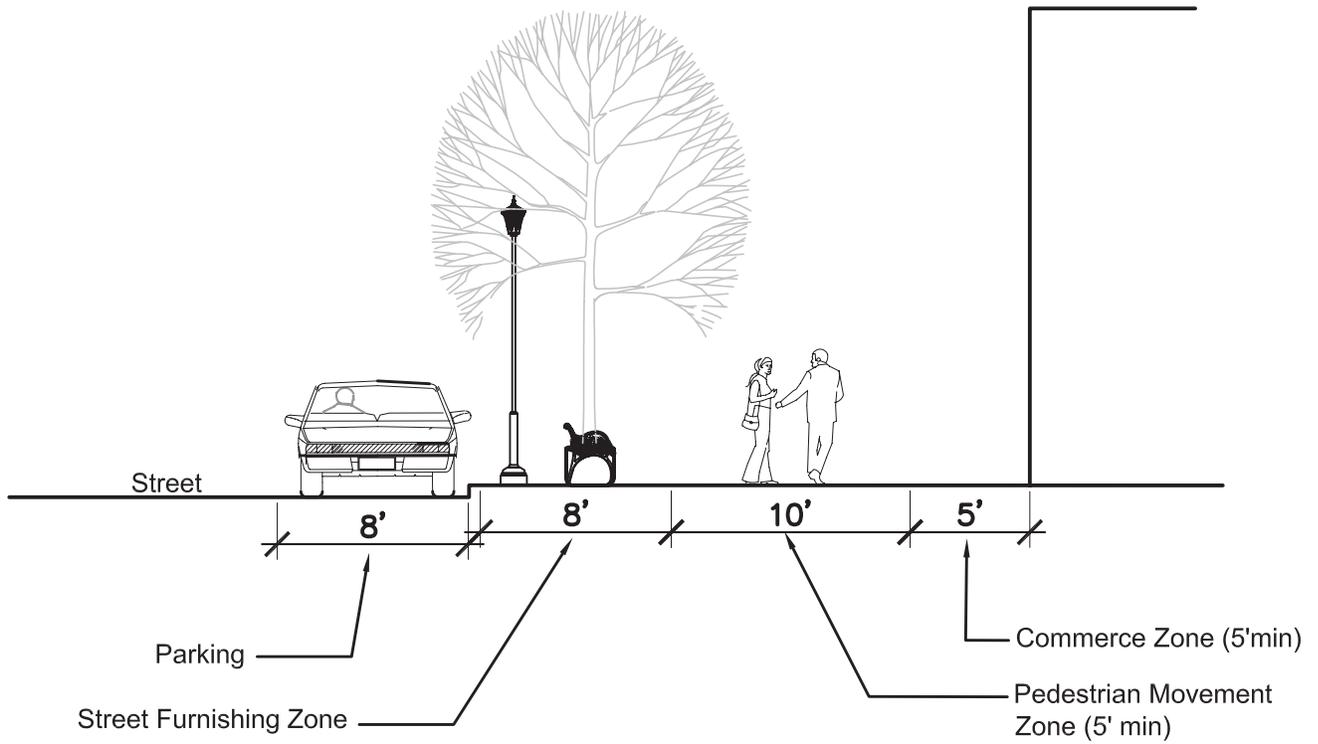


Elevation 'B'

1/8" = 1'-0"

Section

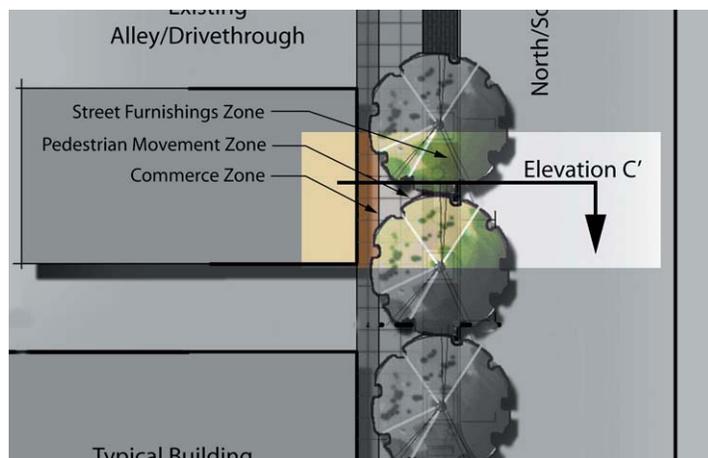




Elevation 'C'

1/8" = 1'-0"

Section



East/West Streetscape

Meridian Downtown Streetscape Design Guidelines

Description: The East / West streets from East Ada Street to E Carlton Avenue provide vehicle access to the mid block businesses and interior block parking areas. Due to the city block design of the downtown area, the East / West streetscape is designed for a lower concentration of development with a higher proportion of residential uses and on street parallel or angled parking. This streetscape is designed for a moderate or low volume of pedestrian use and is designed to provide a through path for pedestrians as well as opportunities for outdoor gathering and increased scales of Commerce Zones.

The East / West streets are comprised of the three streetscape zones between the curb and the face of the building; 1) Street Furnishings Zone, 2) Pedestrian Movement Zone and 3) Commerce Zone. The intent of the guidelines is to provide each of these three zones when adequate space is available.

Dimensions

- Minimum from face of building to back of curb: 18'
- Street Furnishing Zone: 8' minimum
- Pedestrian Movement Zone: 5' minimum
- Commerce Zone: 5' minimum

Surface Material and Treatment

- Brick pavers in Street Furnishing Zone.
- Concrete sidewalk in Pedestrian Movement Zone.
- Enhanced concrete paving in Commerce Zone. Enhanced concrete shall be colored and or scored in a manner to distinguish it from the Pedestrian Movement Zone.

Site Furnishings

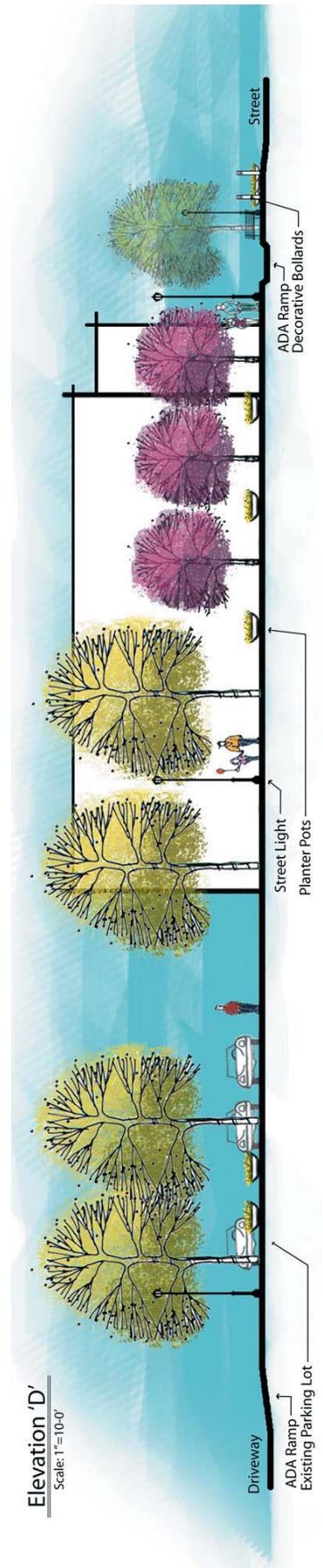
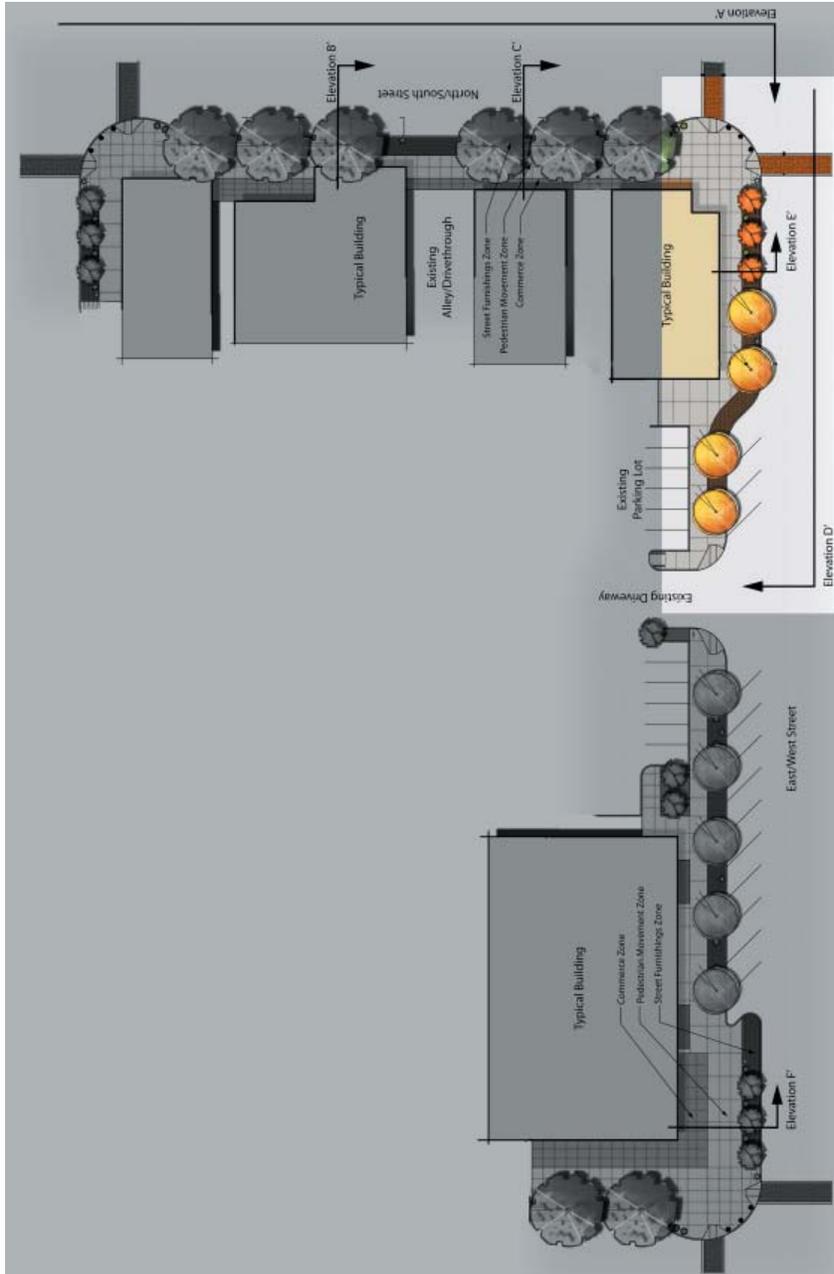
- Approved street lights located approximately 60' on center placed at the back of curb. Lights should be centered between trees and conflicts with trees should be avoided.
- Benches, trash receptacles, bicycle racks and other furnishings shall conform to the Technical Specifications section of this document.

Street Trees

- Class II trees shall be placed in the Furnishing Zone at approximately 32' spacing. Trees shall be placed to avoid conflicts with driveways and streetlights. There shall be 9 trees per block where possible.
- Tree species shall be limited to Class I within 15' of overhead power lines.
- Coordinate planning and installation of trees with Meridian City Parks Department.

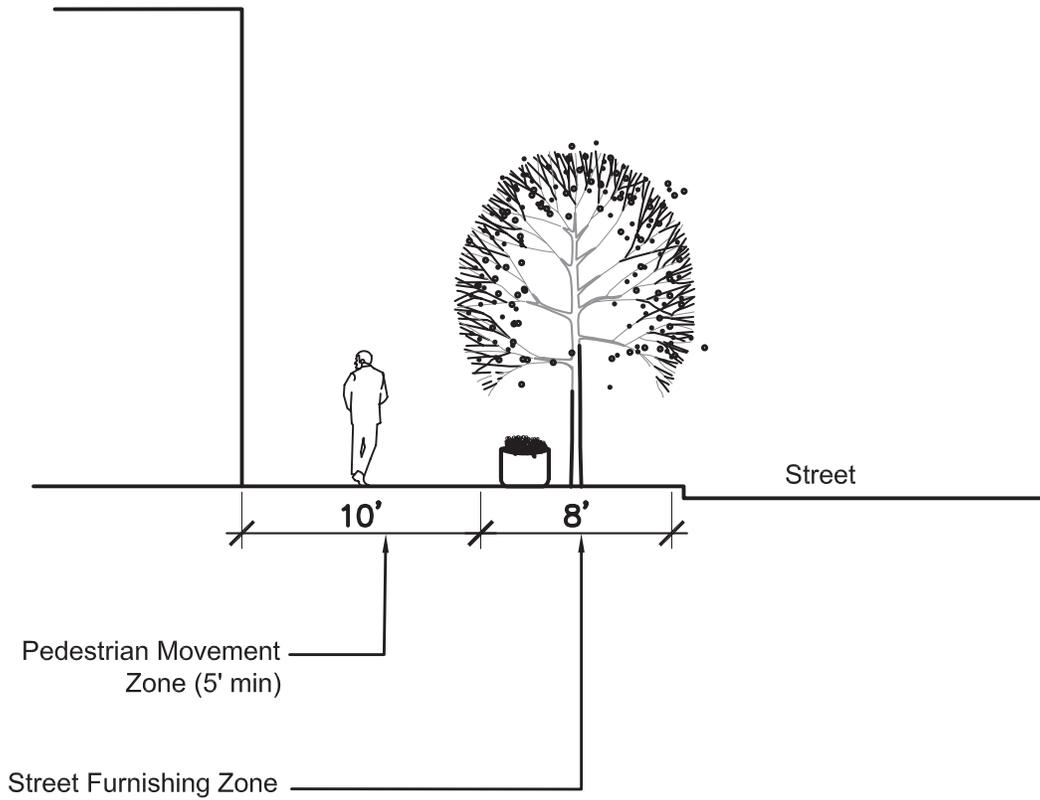
Note

- Some variation in how these standards are applied may be appropriate to account for site specific conditions.
- Furnishings and street trees shall accommodate Ada County Highway District sight visibility requirements.
- All furnishings, trees and improvements in the street right-of-way require a license agreement and/or other form of approval by the Ada County Highway District.
- All pedestrian walkways and ramps shall be ADA compliant.



Elevation 'D'

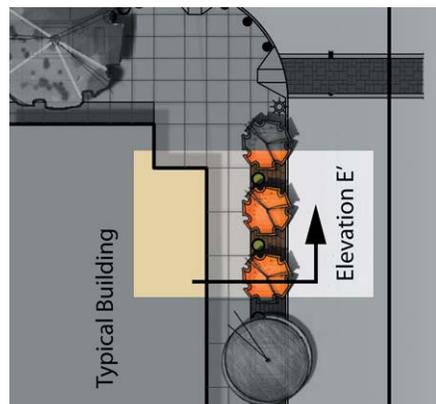
Scale: 1"=10'-0"

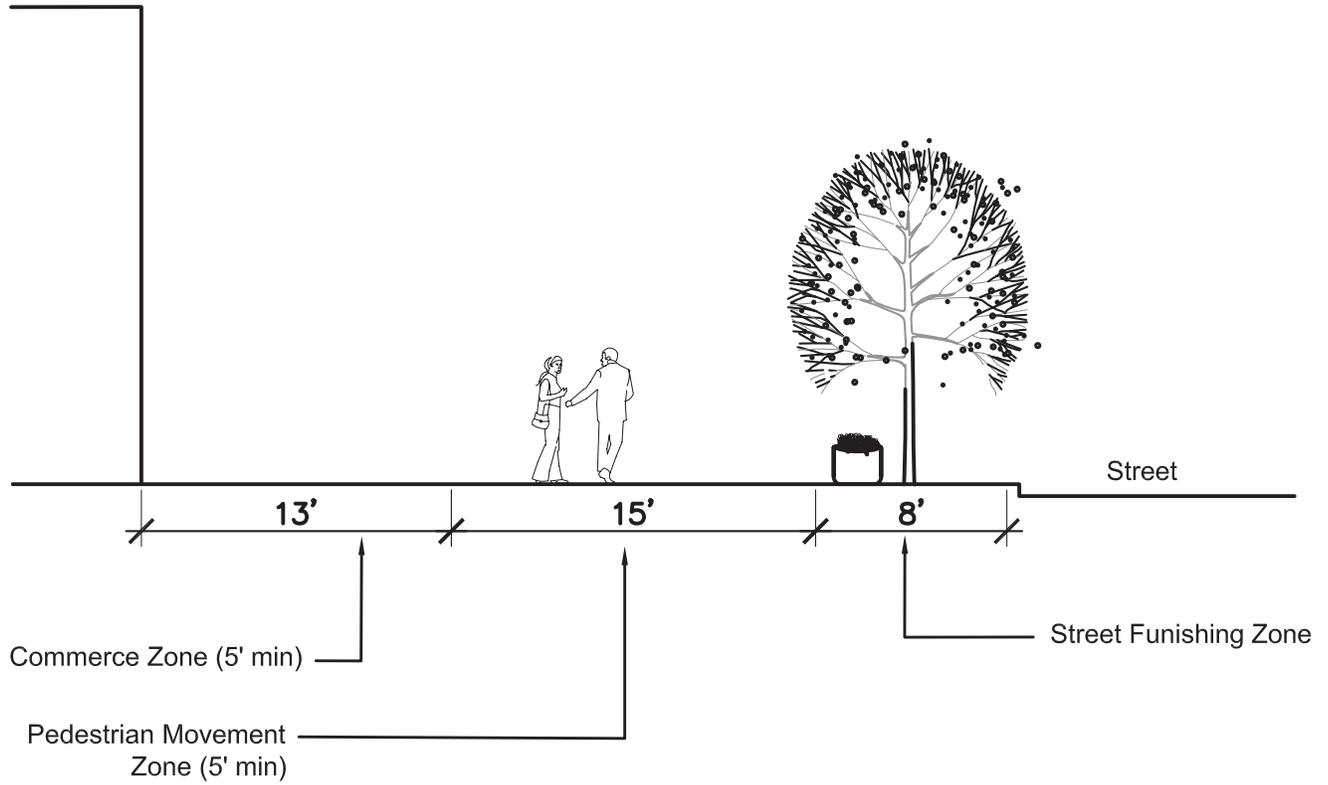


Elevation 'E'

1/8" = 1'-0"

Section

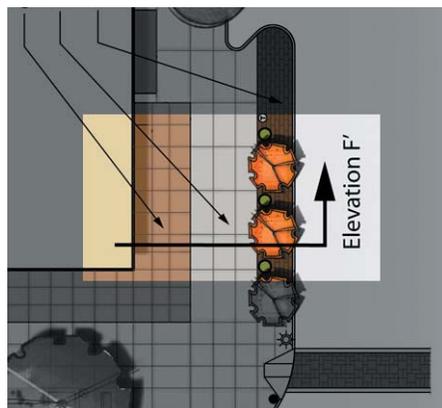




Elevation 'F'

1/8" = 1'-0"

Section



Intersection/Corner

Meridian Downtown Streetscape Design Guidelines

Description: The intersection corners provide pedestrian access to cross streets. The corner treatment maintains the bulb-out curb design existing on Main Street. The intersection corners are designed for a moderate to high volume of pedestrian use and are designed to provide a safe path for pedestrians to cross the street as well as opportunities for outdoor gathering and increased scales of Commerce Zones.

The intersection corners are comprised of the three streetscape zones between the curb and the face of the building; 1) Street Furnishings Zone, 2) Pedestrian Movement Zone and 3) Commerce Zone. The intent of the guidelines is to provide each of these three zones when adequate space is available.

Dimensions

- Minimum from face of building to back of curb: 18'
- Street Furnishing Zone: 8' minimum
- Pedestrian Movement Zone: 5' minimum
- Commerce Zone: 5' minimum

Surface Material and Treatment

- Brick pavers in Street Furnishing Zone.
- Concrete sidewalk in Pedestrian Movement Zone.
- Enhanced concrete paving in Commerce Zone. Enhanced concrete shall be colored and or scored in a manner to distinguish it from the Pedestrian Movement Zone.

Site Furnishings

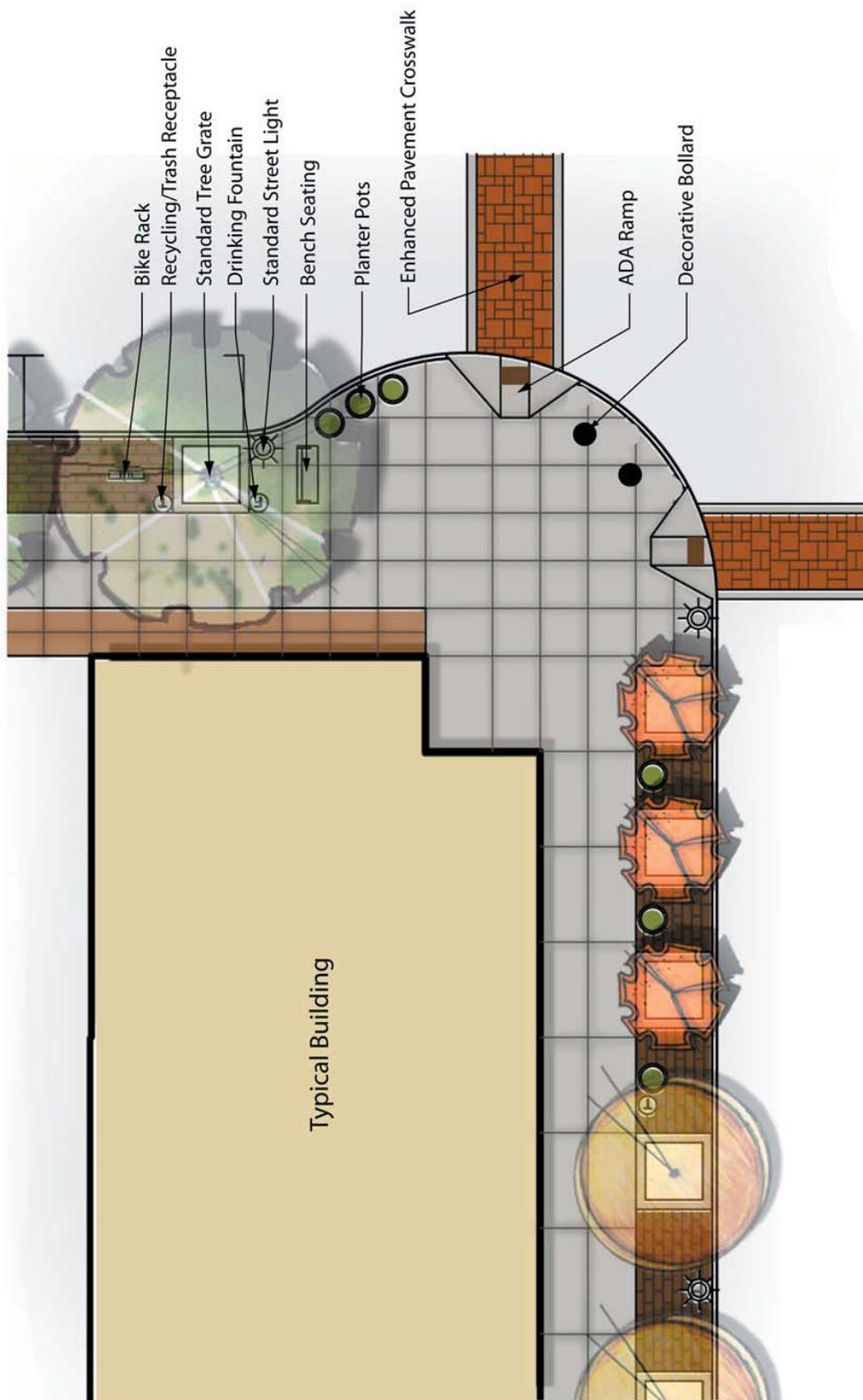
- Approved street lights located at intersection, placed at the back of curb. Lights should be centered between trees and conflicts with trees and intersection signals should be avoided.
- Benches, trash receptacles, bicycle racks and other furnishings shall conform to the Technical Specifications section of this document. Bollards shall be placed at nose of bulb-out for automobile traffic control.

Street Trees

- Class 1 trees shall be placed in the Furnishing Zone at approximately 15' spacing. Trees shall be placed to avoid conflicts with streetlights and pedestrian movement. There shall be 3 trees on the East / West street side per intersection where possible.
- Tree species shall be limited to Class I within 15' of overhead power lines.
- Coordinate planning and installation of trees with Meridian City Parks Department.

Note

- Some variation in how these standards are applied may be appropriate to account for site specific conditions.
- Furnishings and street trees shall accommodate Ada County Highway District sight triangle requirements.
- All furnishings, trees and improvements in the street right-of-way require a license agreement and/or other form of approval by the Ada County Highway District.
- All pedestrian walkways and ramps shall be ADA compliant.



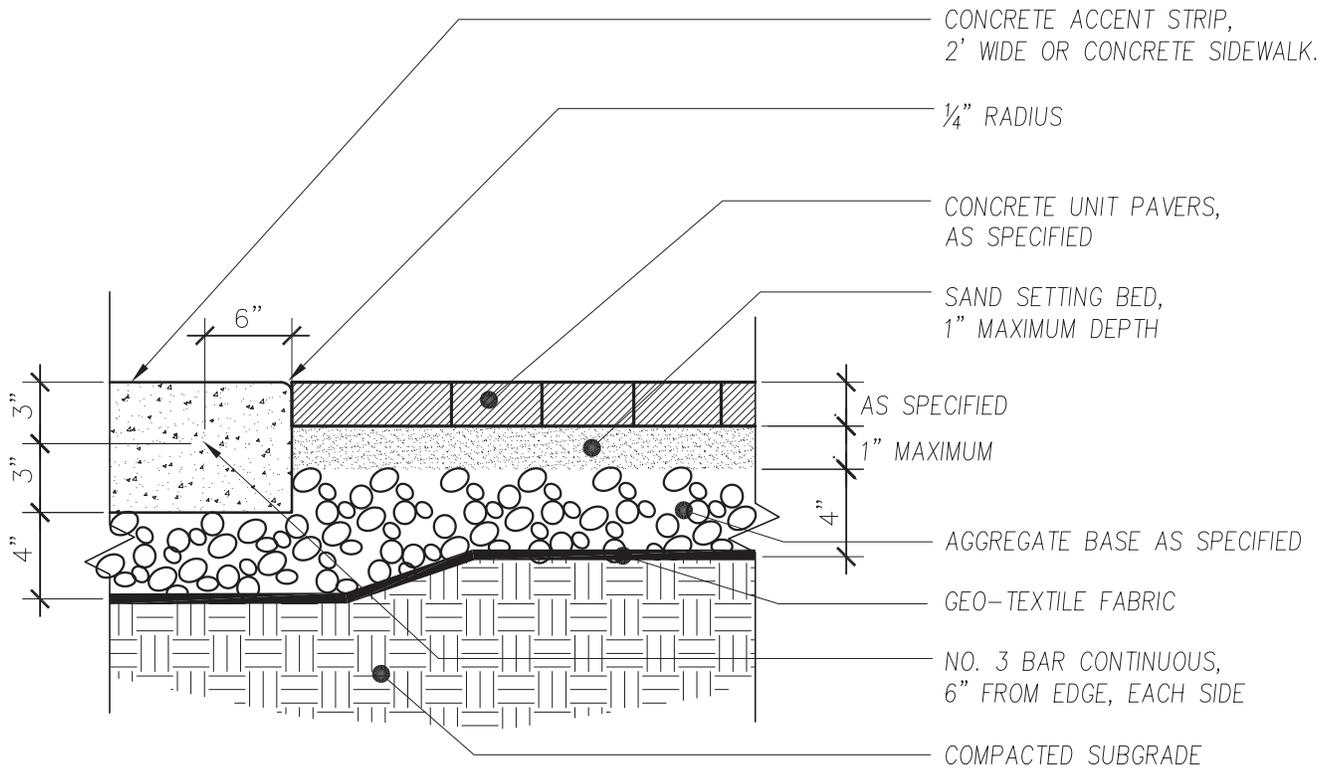
Technical Specifications

Meridian Downtown Streetscape Design Guidelines

Paving

- Concrete Paving: Concrete paving shall be per the Idaho Standards Public Works Construction (ISPWC) Standard Specifications Section 700, current edition.
- Concrete Unit Pavers: Concrete unit pavers shall be installed per Figure 1 and appendix 'A': Concrete Unit Paver Specifications.
- Concrete Unit Pavers: Standard rectangular paver, color shall be Autumn, Pattern shall be Running Bond. Install per Figure 9 and Appendix 'B': Concrete Unit Paver Specifications.

Figure 1



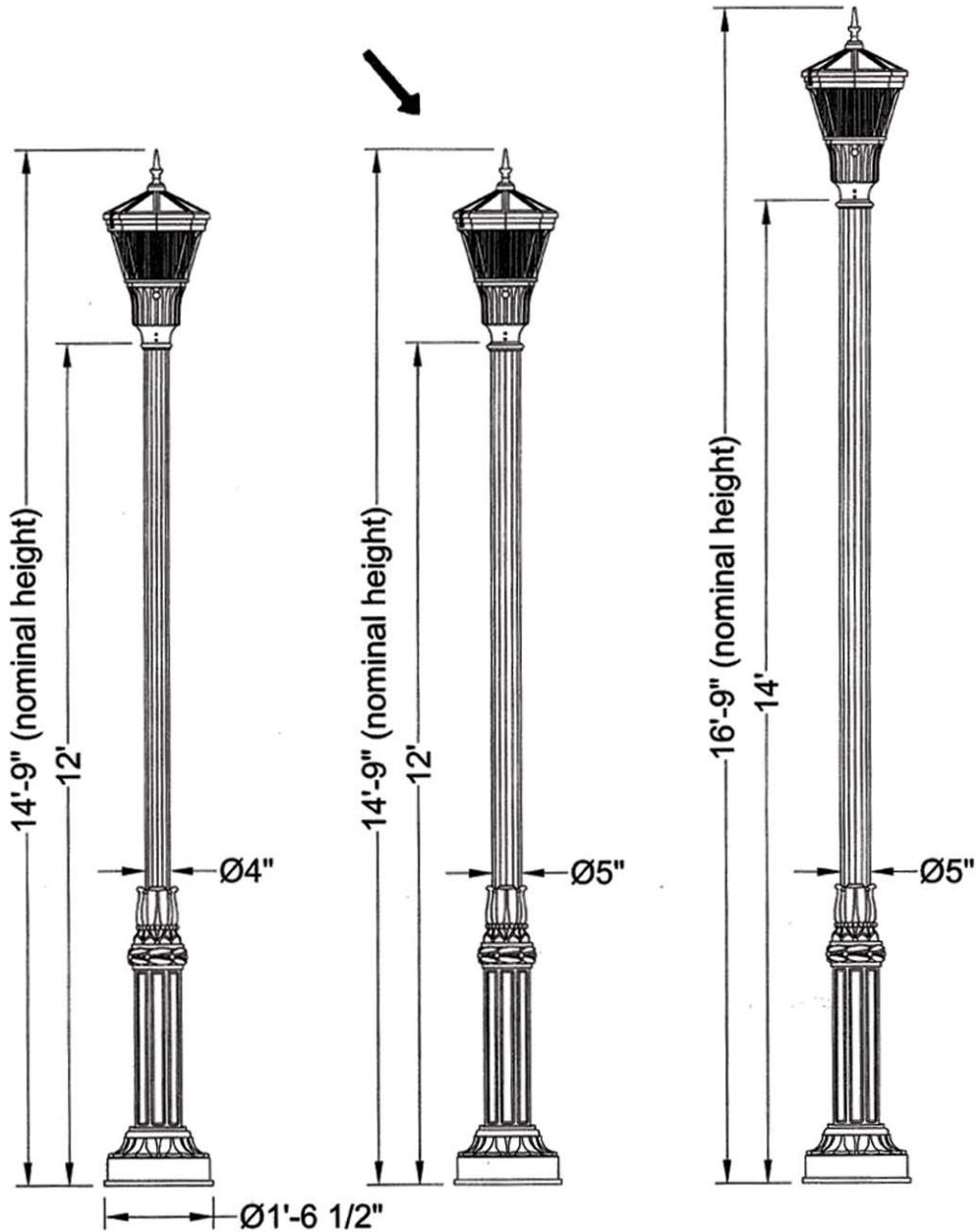
Concrete Unit Paver

Not to Scale

Section

Site Furnishings

- Street Light: Historic street light on 12' historic pole as manufactured by Holophane, model #ARU-15HP-MT-B-G#-R. Pole shall be as manufactured by Holophane, model #CP12C18-F5-CA/BK-FG-SBK-H 2BA18H/.75/B)-CA/BK. Coordinate voltage for Historic Fixtures with Idaho Power prior to ordering. See Manufacturer's cut sheet, Figures 2a-2e.
- Bollard: Chesapeake Series as manufactured by Holophane, model #BOL/CP47/18/L-CA/BK-S70-V. See Manufacturer's cut sheet, Figure 3.
- Tree Grate: As manufactured by Meridian Parks Department. See details, Figures 4, 5, 6, 7 and 8.
- Bench: As manufactured by Recycle Design, Victoria Series 72" seat with back and arms. Black powder coat frame with Weathered DuraWood Slats. See Manufacturer's cut sheet, Figure 10.
- Trash Receptacle: As manufactured by Recycle Design, Victoria Series 32 gallon. Black powder coat frame with Weathered DuraWood Slats. See manufacturer's cut sheet, Figure 10.
- Planters: As manufactured by Interlock Concrete Products, Newport Series Round: 3' diameter, height may vary from 22" to 30". Coordinate color with Meridian Parks Department prior to ordering. See manufacturer's cut sheet, Figure 11 and installation details, Figures 12 & 13.
- Drinking Fountain: As manufactured by Meridian Parks Department. Coordinate with parks department.
- Bike Rack: As manufactured by FairWeather Site Furnishings, BR-1 3 loop, in ground mount. Color shall be black. See manufacturer's cut sheet, Figure 14.



CP12F4/18-CA/BK
Utility Arlington

CP12F5/18-CA/BK
Utility Arlington

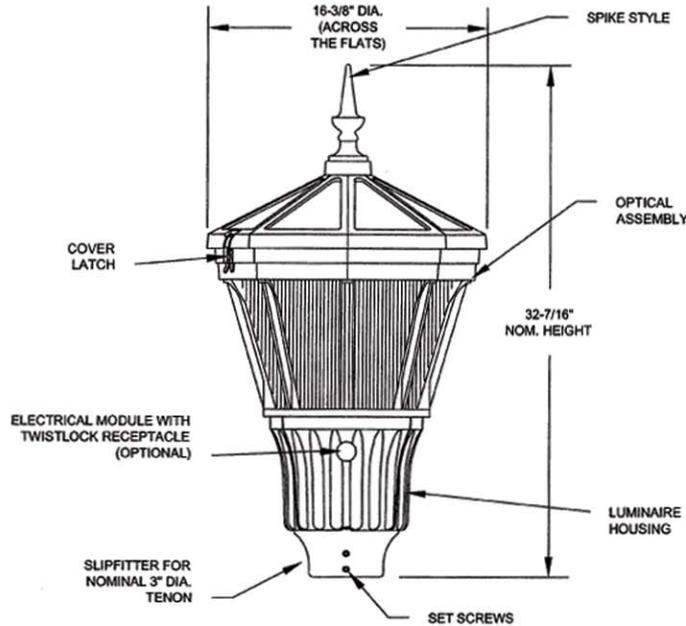
CP14F5/18-CA/BK
Utility Arlington

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<p>City of Meridian</p>			
<p>DRW: BHH</p>	<p>DATE: 10-27-04</p>	<p>PAGE #: 1</p>	<p>REV:</p>

Utility Arlington® Series Luminaire

Maximum weight - 47 lbs

Maximum effective projected area - 1.38 sq. ft.



ORDERING INFORMATION

EXAMPLE: ARU 050HP 12 B G3
ARU

BALLAST TYPE (MOGUL BASE)
050HP = 50W HPS
070HP = 70W HPS
100HP = 100W HPS
15AHP = 150W 55V HPS
175MH = 175W MH
100MV = 100W MV
175MV = 175W MV
250MV = 250W MV (G3 ONLY)

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

OPTIONS
C = IES CUTOFF
P = PROTECTED STARTER FOR HPS UNITS ONLY
H = NEMA TWISTLOCK PHOTOCONTROL RECEPTACLE (DOES NOT INCLUDE PHOTOCONTROL)
T = BOTH NEMA TWISTLOCK RECEPTACLE AND PROTECTED STARTER TOGETHER (HPS UNITS ONLY)

ACCESSORIES
LAMP = SHIP APPROPRIATE LAMP AS A LINE ITEM. SEE LAMP SHEET

VOLTAGE
12 = 120 VOLT
20 = 208 VOLT
24 = 240 VOLT
27 = 277 VOLT
34 = 347 VOLT (C.U.L.)
48 = 480 VOLT
MT = MULTITAP (120, 208, 240, 277 VOLT)

COLOR
B = BLACK
Z = BRONZE
N = GREEN
A = AS SPEC.

OPTICS
G3 = ASYMMETRIC GLASS REFRACTOR
A3 = ASYMMETRIC ACRYLIC REFRACTOR (not avail. w/250MV)
A5 = SYMMETRIC ACRYLIC REFRACTOR (not avail. w/250MV)
P3 = ASYMMETRIC POLYCARBONATE REFRACTOR (not avail. w/250MV)
P5 = SYMMETRIC POLYCARBONATE REFRACTOR (not avail. w/250MV)

Specifications

GENERAL DESCRIPTION

The Utility Arlington is designed for ease of maintenance with the plug-in electrical module common to each of the luminaires in Holophane's Utility Luminaire Series. A precision optical system maximizes post spacings while maintaining uniform illumination.

OPTICAL SYSTEM

The optical system consists of a precisely molded refractor operating in conjunction with a formed anodized aluminum reflector located in the top cover. Positive pressure from three coiled springs backing the reflector and gaskets at the top and bottom of the refractor create a sealed optical compartment. Refractors designed to provide an I.E.S. Type III distribution are available molded from thermal resistant borosilicate glass and acrylic or polycarbonate plastic. Type V refractors are available in acrylic or polycarbonate only. An IES cutoff option is available.

LUMINAIRE HOUSING

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

LUMINAIRE HOUSING / DOOR

Cast of aluminum, the housing / door is removable without the use of tools and is retained by a nonconductive lanyard. 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.

TOP COVER

The octagonal cover, cast of aluminum, is attached to the top ring of the luminaire housing by a stainless steel piano hinge and latched by an overcenter, positive action, stainless steel latch which allows tool-less entry to the lamp chamber for relamping.

BALLASTS

(Refer to the Ballast Handbook for specific operating characteristics)
50 watt 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor Reactor type. All other HPS ballasts 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 ballasts.

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 process to insure maximum durability.

UL

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

ARCHITECTURAL OUTDOOR ORDER #:

TYPE:

DRAWING NO: US-2584

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 AFTER APPROVAL BY THE CUSTOMER IN WRITING. ON POLE ORDERS AN ANCHOR BOLT TEMPLATE PRINT WILL BE SUPPLIED WITH EACH ANCHOR BOLT ORDER TO MATCH THE POLE PROVIDED.

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SCALE: N/A
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APP'D:
DATE: 04-29-03

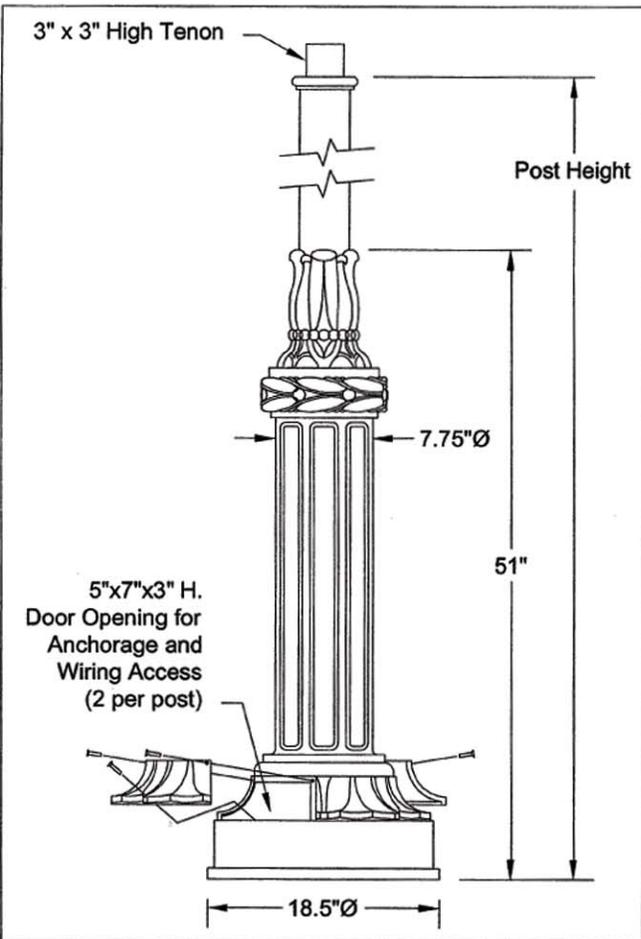
CHESAPEAKE Series

Cast Aluminum Posts

SHAFT OPTIONS

4" Dia. Smooth 5" Dia. Smooth

4" Dia. Fluted 5" Dia. Fluted 3"-4" Dia. Tapered 3"-5" Dia. Tapered



HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

HoloPhane
214 OAKWOOD AVENUE • NEWARK, OHIO 43055

Ordering Guide

sample catalog number
CP12S4/18 - CA/BK - WPRT

Post	material/finish	options
CHESAPEAKE 12'-Smooth 4" shaft 18" dia. base	Cast Aluminum Black	Weatherproof Receptacle at Top (of post)

Post (check appropriate boxes, add height in blank)

Catalog #	Shaft type	Heights
<input type="checkbox"/> CP__S4/18	4" dia. smooth	8', 10', 12', 14'
<input type="checkbox"/> CP__S5/18	5" dia. smooth	10', 12', 14', 16'
<input type="checkbox"/> CP__F4/18	4" dia. fluted	8', 10', 12', 14'
<input type="checkbox"/> CP__F5/18	5" dia. fluted	10', 12', 14', 16'
<input type="checkbox"/> CP__T4/18	3"-4" dia. tapered	8', 10', 12', 14'
<input type="checkbox"/> CP__T5/18	3"-5" dia. tapered	10', 12', 14', 16'

Material/Finish

Catalog Suffix	Description
<input type="checkbox"/> -CA/BK	Cast Aluminum/Black (std.)
<input type="checkbox"/> -CA/DG	Cast Aluminum/Dark Green
<input type="checkbox"/> -CA/DB	Cast Aluminum/Dark Bronze
<input type="checkbox"/> -CA/PP	Cast Aluminum/Prime Painted
<input type="checkbox"/> -CA/CC	Cast Aluminum/Custom Color

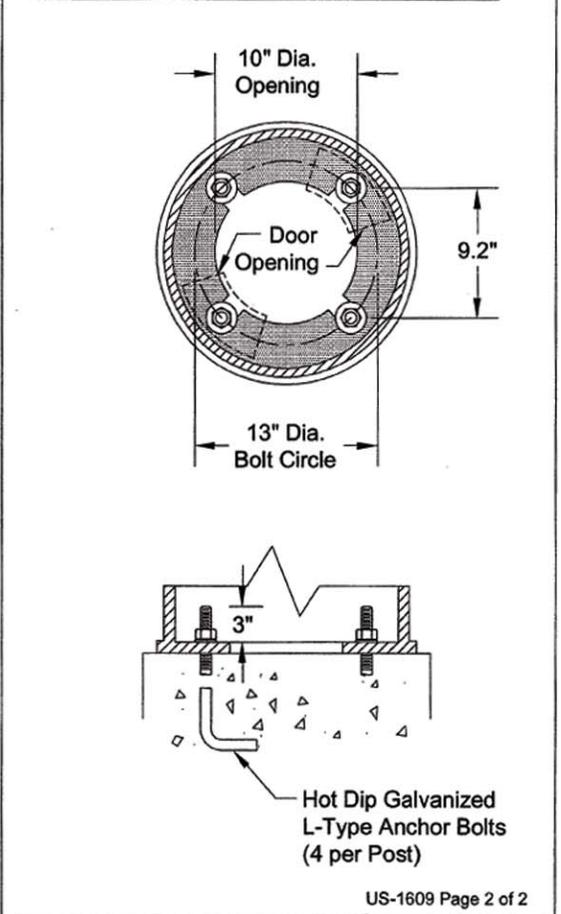
(for complete finish and color options, see "Finish" section in catalog)

Optional Equipment

Catalog Suffix	Description
<input type="checkbox"/> -	Receptacles (see Accessories section)
<input type="checkbox"/> -	Banner Arms (see Accessories section)
<input type="checkbox"/> -	Flag Pole Holders (see Accessories section)
<input type="checkbox"/> -	Custom Logos (see Accessories section)
<input type="checkbox"/> -	Signage (see Signage section)

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

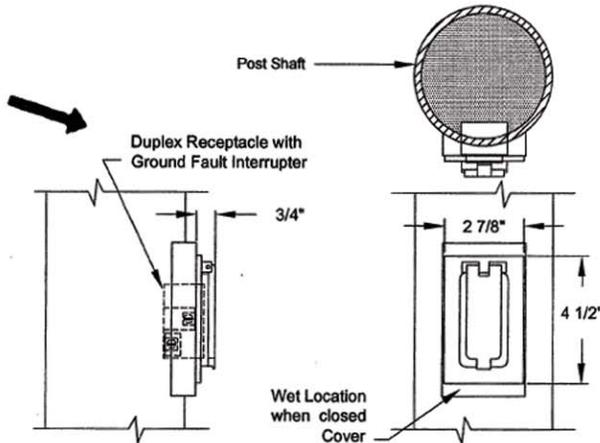
ANCHORAGE GUIDE



Weatherproof Receptacles External, Post Shaft Location

- Ground Fault Circuit Interrupter Receptacles.
- Test/Reset buttons on face of receptacles.
- All Cast Aluminum Covers. Not Plastic.
(Paintable to match post color).
- Weatherproof "While in Use" covers in two sizes.

External receptacles are typically installed above pedestrian level for special event uses and decorative seasonal lighting.

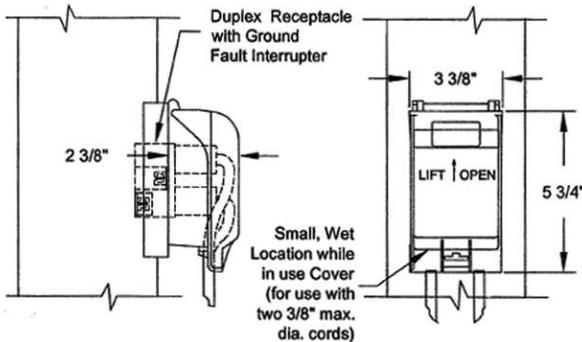


•**Receptacle with Wet Location While Closed Cover**

Catalog part # **FG-SXXH**

SPECIFICATIONS

A 20 amp, 125 volt, ground fault circuit interrupter duplex receptacle shall be mounted in the post. The receptacle shall be UL Listed according to E-48380 and UL 943 Class A and UL 498. The receptacle shall have a cast aluminum, UL Listed cover that is suitable for wet locations while not in use. The receptacle and cover shall mount to an outlet opening, in the post shaft, with a gasket and stainless steel screws.

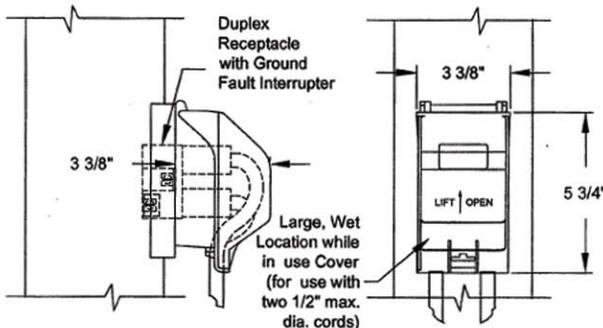


• **Receptacle with Small, In-Use Wet Location Cover**

Catalog part # **FGIUS-SXXH**

SPECIFICATIONS

A 20 amp, 125 volt, ground fault circuit interrupter duplex receptacle shall be mounted in the post. The receptacle shall be UL Listed according to E-48380 and UL 943 Class A and UL 498. The receptacle shall have a cast aluminum, lockable, UL Listed cover that is suitable for wet locations while in use and complies with NEC Article 410-57(b). The cover shall accept most common cord sets up to 3/8" diameter (14/3). The receptacle and cover shall mount to an outlet opening, in the post shaft, with a gasket and stainless steel screws.



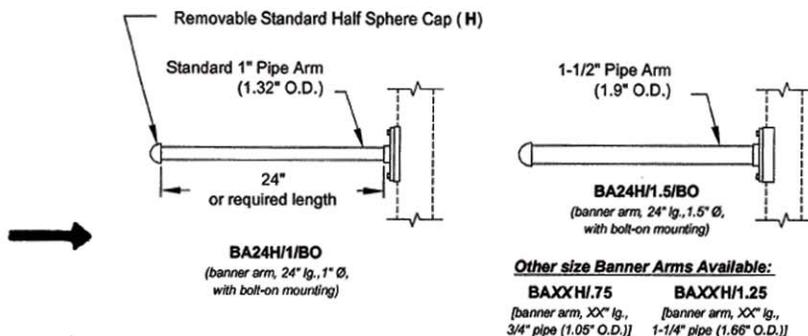
•**Receptacle with Large, In-Use Wet Location Cover**

Catalog part # **FGIUL-SXXH**

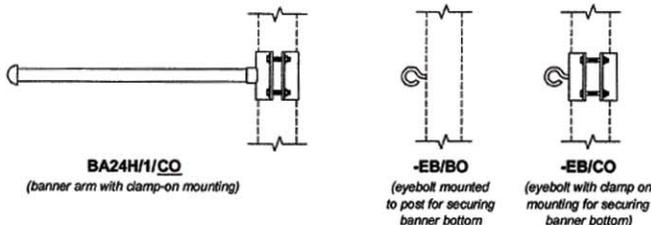
SPECIFICATION

A 20 amp, 125 volt, ground fault circuit interrupter duplex receptacle shall be mounted in the post. The receptacle shall be UL Listed according to E-8380 and UL 943 Class A and UL 498. The receptacle shall have a cast aluminum, lockable, UL Listed cover that is suitable for wet locations while in use and complies with NEC Article 410-57(b). The cover shall accept most common cord sets up to 1/2" diameter (12/3). The receptacle and cover shall mount to an outlet opening, in the post shaft, with a gasket and stainless steel screws.

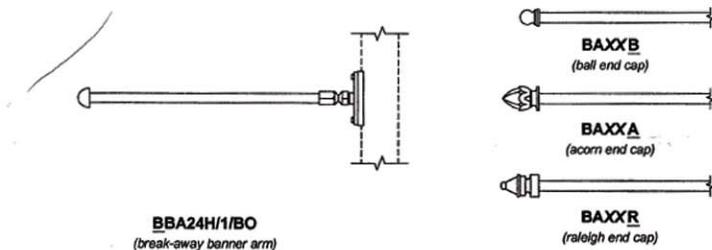
Banner Arms Cast Aluminum



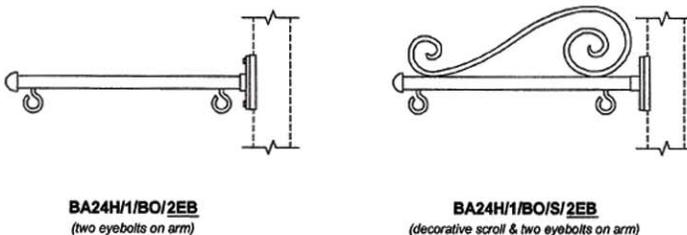
OTHER MOUNTING OPTIONS



OTHER OPTIONS



CUSTOMS



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

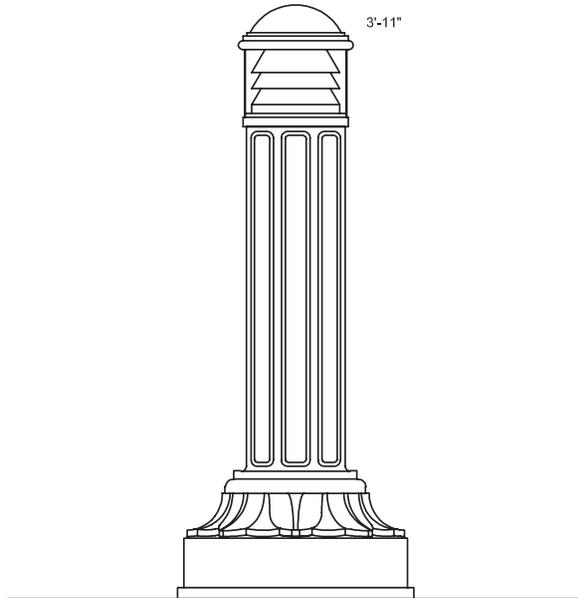
The banner arms shall be available in 1.05", 1.32", 1.66" or 1.9" O.D. and to the specified length.

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


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

CHESAPEAKE Series

Cast Aluminum Lighted Bollard



BOL/CP47/18/L-CA/BK

Specifications

DESCRIPTION The bollard shall be cast aluminum construction with a classic decorative base. The bollard shall be provided with an optical assembly consisting of a lens and reflector assembly providing a I.E.S. Type V distribution, and a dome top.

MATERIALS The bollard and top shall be heavy wall, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B179-95a or ASTM B26-95. The castings shall be formed true to the pattern with complete detail. The lens shall be acrylic and the reflector shall be anodized aluminum. All exposed hardware shall be tamper resistant stainless steel. Anchor bolts to be completely hot dip galvanized.

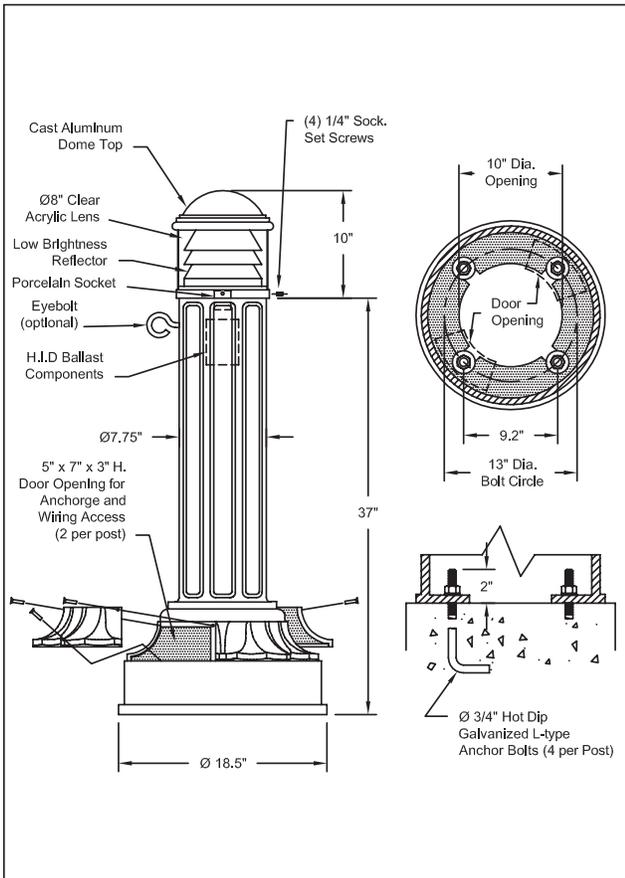
CONSTRUCTION The bollard shall be made from a one-piece casting. The optical assembly shall be secured to the base with four tamper resistant set screws. All exposed welds shall be ground smooth. All welding shall be per ANSI/AWS D1.2-90. All welders shall be certified per Section 5 of ANSI/AWS D1.2-90.

DIMENSIONS The bollard shall be 3'-11" in height with an 18.5" diameter base, a 7.5" diameter shaft, and an 8" diameter lens.

INSTALLATION The bollard shall be provided with four 3/4" diameter, hot dip galvanized L-type anchor bolts to be installed on a 13" bolt circle. Two doors shall be provided in the base for anchorage and wiring access.

LIGHT SOURCE The lighted bollard shall be furnished with an H.I.D. ballast and socket assembly. Sockets shall be glazed porcelain, mogul or medium base, with a copper alloy nickel plated screw shell and center contact. The ballast shall be a core and coil, high power factor, regulating type. The bollard shall be UL listed and labeled as suitable for wet locations.

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



ORDERING GUIDE

sample catalog number

BOL / CP47 / 18 / L-CA / BK-M100 / 12

Bollard (check appropriate boxes)

- BOL/CP47/18/L Clear Lens
- BOL/CP47/18/LW White Lens

Material/Finish

- | Catalog Suffix | Description |
|---------------------------------|--------------------------|
| <input type="checkbox"/> -CA/BK | Cast Alum./Black |
| <input type="checkbox"/> -CA/DG | Cast Alum./Dark Green |
| <input type="checkbox"/> -CA/DB | Cast Alum./Dark Bronze |
| <input type="checkbox"/> -CA/PP | Cast Alum./Prime Painted |
| <input type="checkbox"/> -CA/CC | Cast Alum./Custom Color |

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

Voltage

- | | | | |
|------------------------------|------------------------------|------------------------------|------------------------------|
| <input type="checkbox"/> /12 | <input type="checkbox"/> /20 | <input type="checkbox"/> /24 | <input type="checkbox"/> /27 |
| <input type="checkbox"/> /34 | <input type="checkbox"/> /48 | <input type="checkbox"/> /MT | |

Optional Equipment

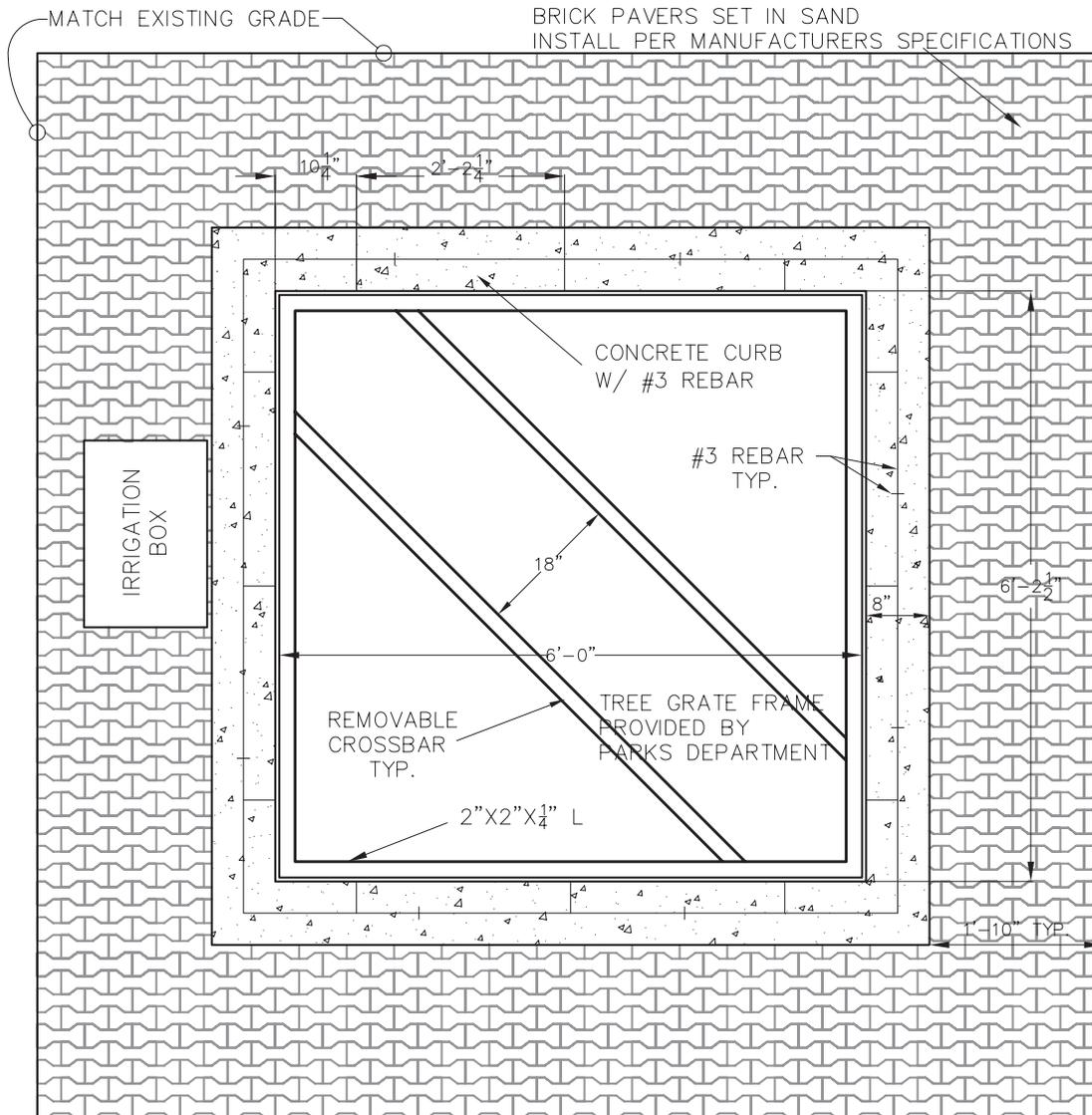
- EB Eyebolt mounted on bollard for use with chain by others
- 2 Weatherproof duplex Receptacle mounted inside base
- DBB Direct Burlal Base for mounting without a concrete footing
- CLD Custom Logos cast into access door
- V Borosilicate Glass Refractor with an I.E.S. Type 5 Distribution
- III Borosilicate Glass Refractor with an I.E.S Type 3 Distribution
- HSS House Slide Shield
- PEC Photo Electric Control (120 volt)
- PEC2 Photo Electric Control (240 volt)

Light Source

H.I.D. ballast & socket

- H50 50 watt Mercury Vapor
- H75 75 watt Mercury Vapor
- H100 100 watt Mercury Vapor
- M50 50 watt Metal Halide
- M70 70 watt Metal Halide
- M100 100 watt Metal Halide
- S35 35 watt High Pressure Sodium
- S50 50 watt High Pressure Sodium
- S70 70 watt High Pressure Sodium
- S100 100 watt High Pressure Sodium

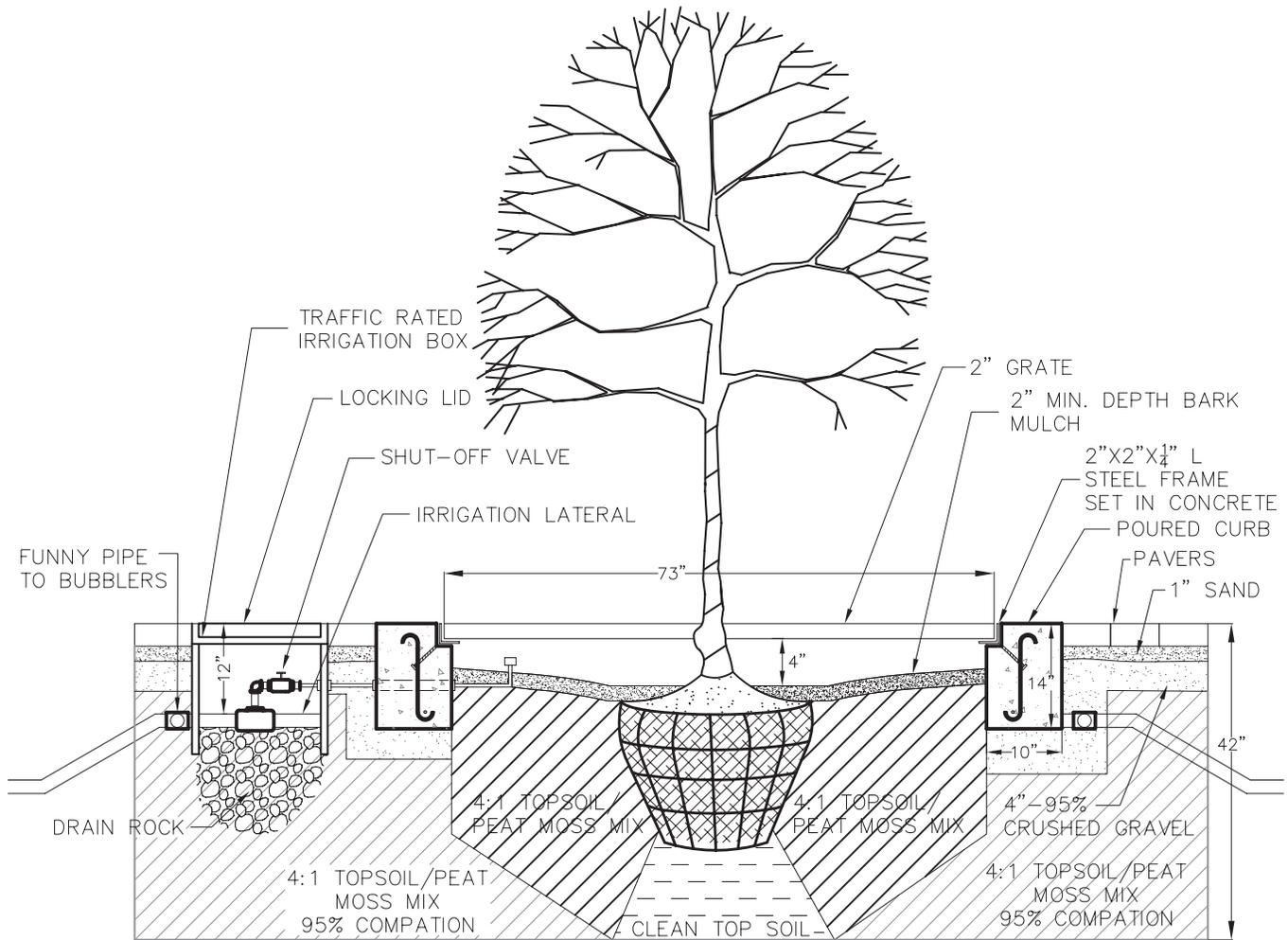

HOLOPHANE® An *Acuity Brands* Company
 LEADER IN LIGHTING SOLUTIONS 214 OAKWOOD AVENUE - NEWARK, OHIO 43055



Tree Grate and Frame Plan

1/2" = 1'-0"

Plan



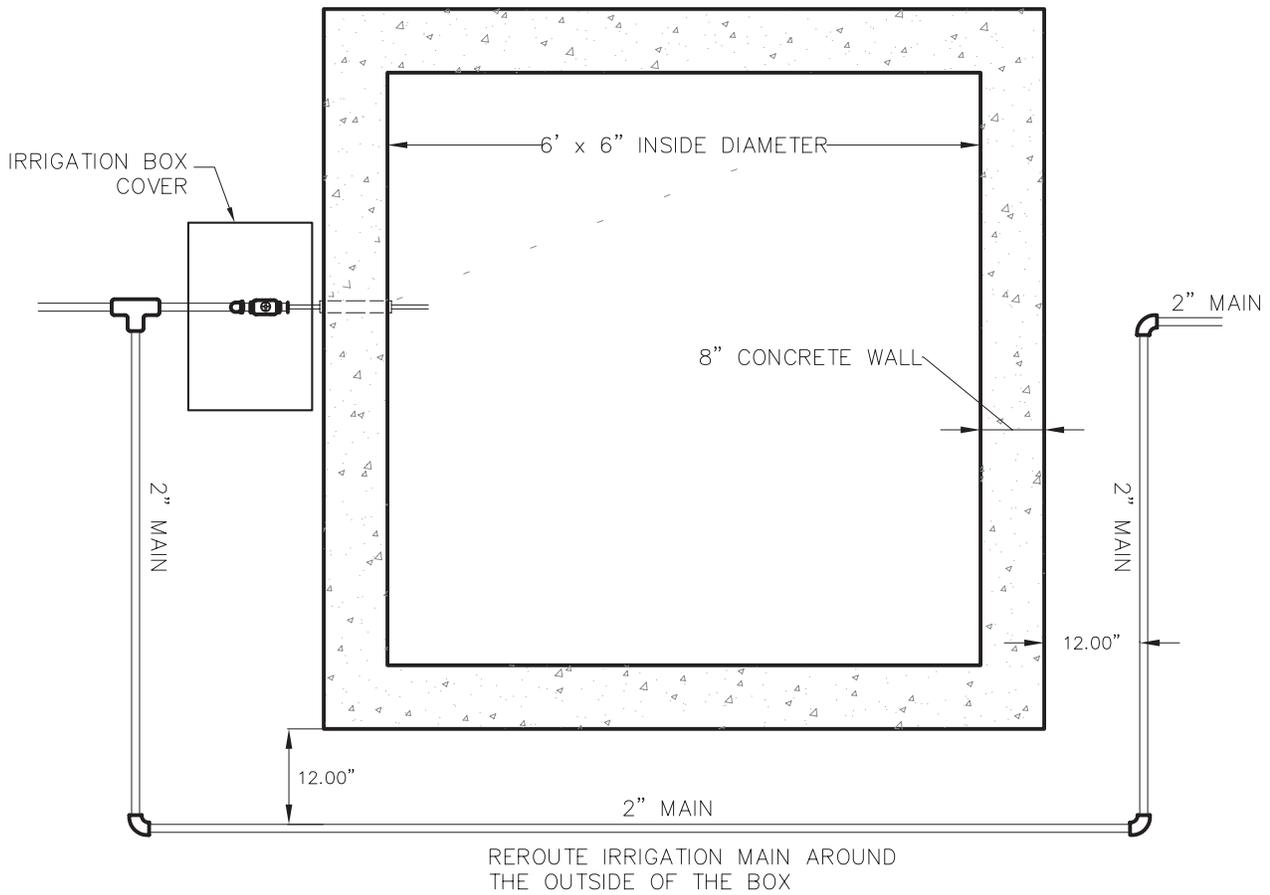
Tree Grate and Frame Section

$\frac{1}{2}$ " = 1'-0"

Section

TREE GRATES AND GRATE FRAMES:

- 1. PROVIDED BY PARKS DEPARTMENT.
- 2. CONTRACTOR WILL INSTALL THE FRAME IN THE CONCRETE POUR.
- 3. PARKS DEPARTMENT WILL PLANT TREE AND INSTALL TREE GRATES.



Tree Well Irrigation Plan

1/2" = 1'-0"

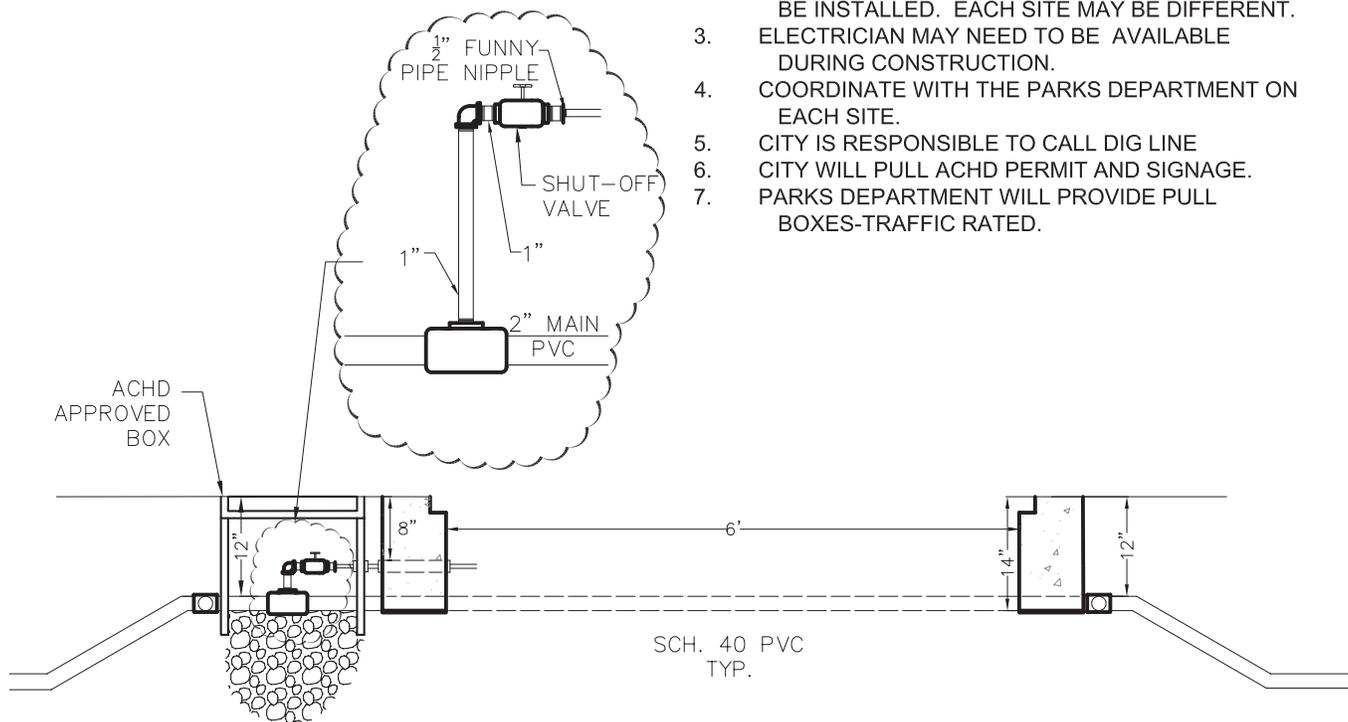
Plan

IRRIGATION NOTES:

1. PARKS DEPARTMENT WILL INSTALL ALL IRRIGATION INSIDE OF TREE BOX.
2. CONTRACTOR WILL HOOK UP AND RE-PLUMB ALL WATER OUTSIDE OF BOX.

ELECTRICAL NOTES:

1. SOME ELECTRICAL RUNS ALONG THE BACK OF CURBING.
2. SOME MAY RUN THROUGH THE OLD TREE BOX. IF IT RUNS THROUGH THE BOX IT WILL NEED TO BE REROUTED AROUND THE SAME WAY AS THE WATER LINES. NEW "J" BOXES MAY NEED TO BE INSTALLED. EACH SITE MAY BE DIFFERENT.
3. ELECTRICIAN MAY NEED TO BE AVAILABLE DURING CONSTRUCTION.
4. COORDINATE WITH THE PARKS DEPARTMENT ON EACH SITE.
5. CITY IS RESPONSIBLE TO CALL DIG LINE
6. CITY WILL PULL ACHD PERMIT AND SIGNAGE.
7. PARKS DEPARTMENT WILL PROVIDE PULL BOXES-TRAFFIC RATED.



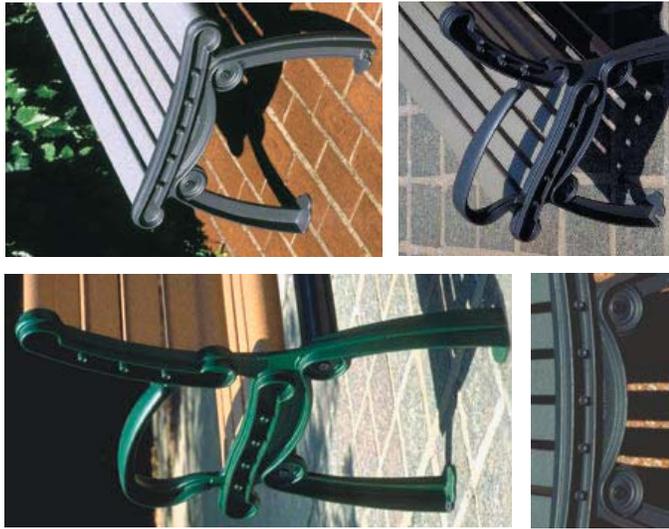
Tree Well Irrigation Section

1/2" = 1'-0"

Section



Victoria Series



RecycleDesign™

Powder Colors



DuraWood™ Colors



Printed colors will vary from actual materials per available upon request

DuraWood™ Side:
Sides are made of DuraWood™ recycled, high density polyethylene lumber. The product is composed of 100% recycled HDPE, derived from purified plastic waste streams, sometimes after process additives. DuraWood™ lumber is made from a single, purified polymer and is manufactured to consistent, reproducible standards.

DuraWood™ is very resistant to moisture and is warranted not to rot, splinter, crack or peel. Waterproofing or staining is neither required nor recommended.

Powdercoat Finishes:
The finishing systems used with RecycleDesign™ products are 100% solids and contain no volatile organic compounds. The powdercoat system is polyester, a weatherable and durable material suitable for exterior use.

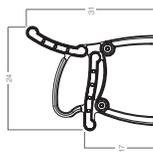
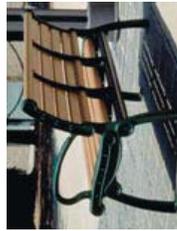
Distributed By:



RecycleDesign™ | 2600 West Roosevelt Road | Chicago, IL 60608 | 312.491.2500 | fax 2501

Victoria Series

Victoria blends easily into a broad range of environments from residential communities to urban settings where permanent materials and ageless design have shaped the quality and feel of place. Traditional form and attention to fine details define the classic timeless character of Victoria's recycled aluminum castings and overall design.



About Victoria Seats and Benches

Seats and benches are available in standard lengths of 48", 60", 72", and 96". "Joined benches (66" and above) will have a center support. "Joined seats will have a center arm integral to the center support. Custom lengths are available.

Additional center arms can be added to vary individual seat spacing increments.

Seat

- Available only with arms
- Independent center arms available
- Generous arm reflects traditional styling
- Discontinuous seat and back surface
- Proportioned for sitting comfort
- Rounded seat/back edges protect users
- Surface mount
- Seats link end to end for longer versions
- Accommodates 1/2" Anchor Bolts

Bench

- Continuous seating surface
- Proportioned height for sitting comfort
- Rounded edges protect users legs
- Surface mount
- Benches link end to end for longer versions
- Available with sleep stoppers
- Accommodates 1/2" Anchor Bolt

RecycleDesign™

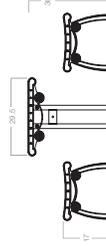


Waste Receptacle

- Front loading for easy trash retrieval
- Locking door controls access
- Available with flat or dome cover
- Dome cover has two side entry openings
- Covers spun aluminum, powder coated
- Requires 32 gallon plastic liner
- Surface mount only
- Accommodates 1/2" Anchor Bolts

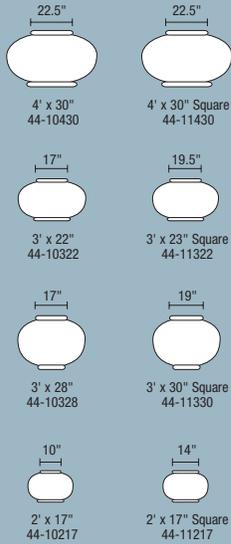
Picnic Table

- Embedded/Surface mount
- Victoria bench used as seat; sold separately
- End castings with slat capture detail
- ADA configurations available
- Accommodates 1/2" Anchor Bolts

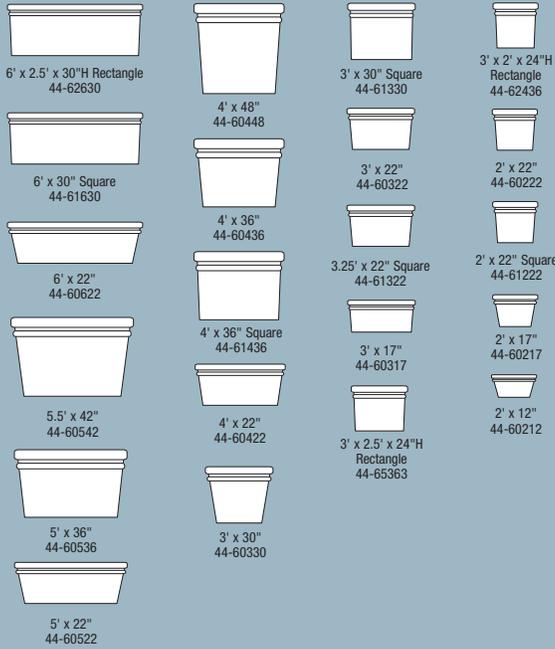


GFRG SERIES – PLANTERS

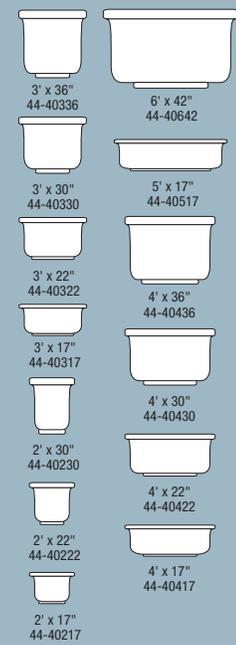
ELAN



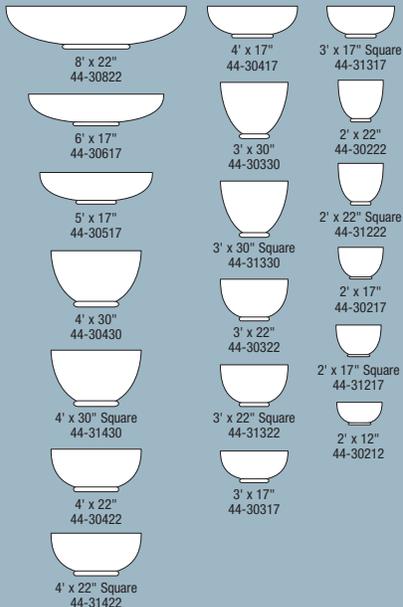
SANTA FE



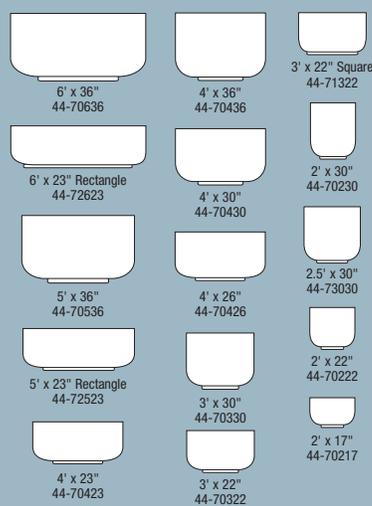
HIGHLINE



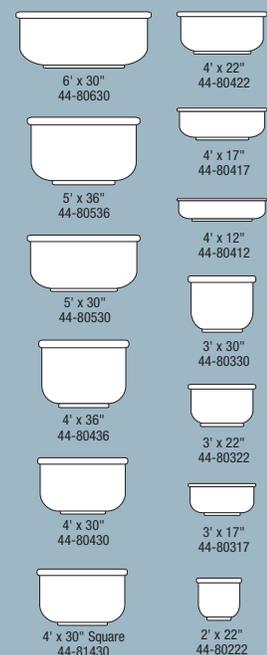
CONTEMPRA

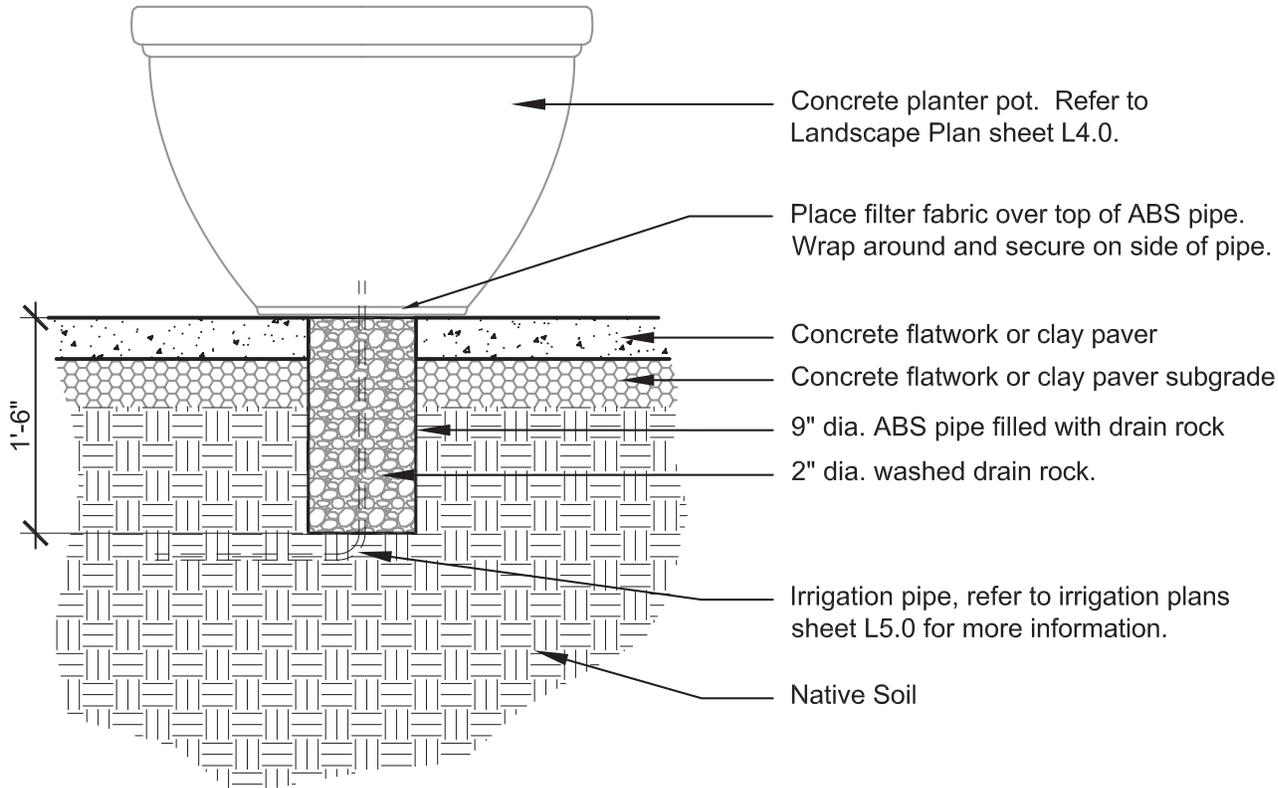


NEWPORT



OXFORD

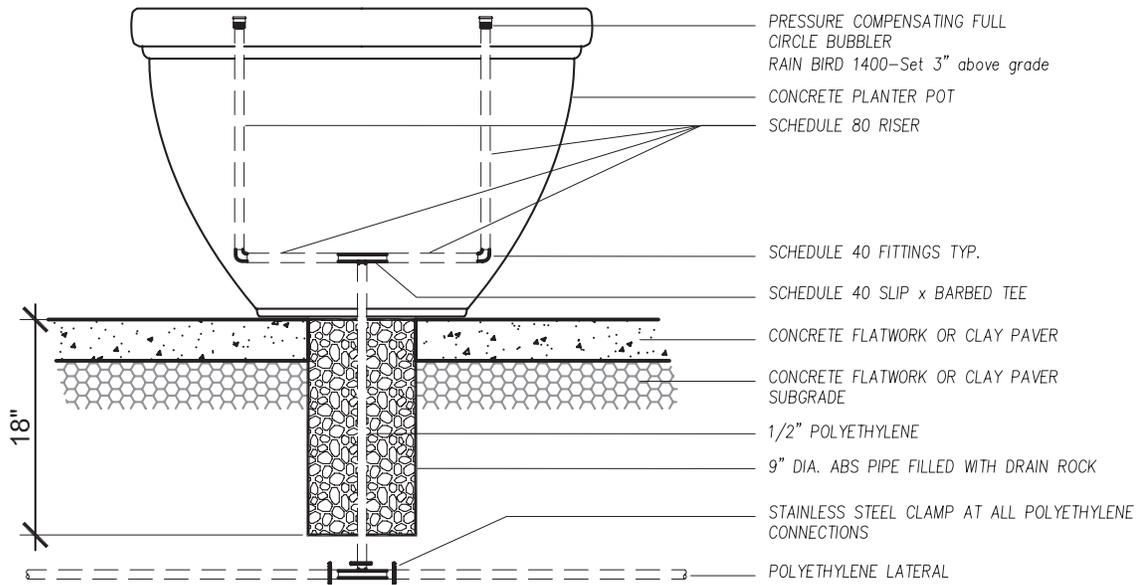




Planter Pot Drain

$\frac{3}{4}" = 1'-0"$

Section



Planter Pot Irrigation

3/4" = 1'-0"

Section

SPECIFICATIONS

MATERIAL

The BR-1, bike rack shall be fabricated with 2" sch. 40 steel pipe (2.375" OD), .154 wall. Pipe shall conform to ASTM A53. Bends shall be produced by mandril style rotary drawn bending procedure.

PROTECTIVE COATINGS

Powder Coating: Following fabrication bike racks shall be cleaned and treated with an iron phosphate process prior to the coating application. This process shall include a non-chromated alkaline cleaner, and an iron phosphate treatment followed with an acidic sealer for maximum adhesion. The protective coatings shall be either polyester or polyester TGIC powder. Following application the parts shall be baked until properly cured. The coating shall be a minimum of 4 mils thick on all surfaces.

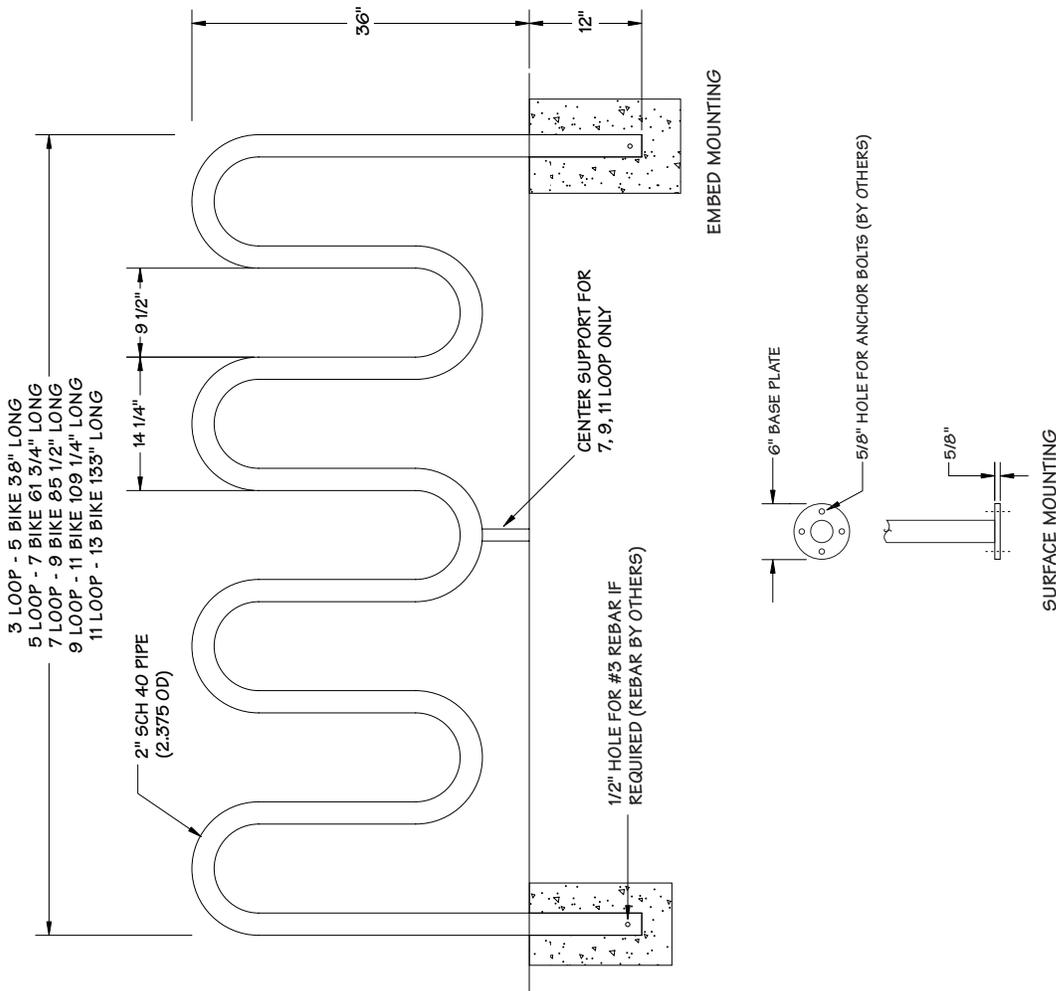
Note: Unless otherwise specified, bike racks shall be powder coated a standard FairWeather color.

Options

Mounting: Embed, surface mount
Cast aluminum base cover

Hot Dip Galvanizing, instead of powder coating: Following fabrication, the bike rack shall be hot dip galvanized to standard ASTM A123, 3 to 4 mils thick.

Please Note: For permanent embed, depth and diameter of installation hole may vary with soil conditions. Consult project engineer for correct dimensions.



REV 8-04-06

FairWeather Site Furnishings
360-895-2626 or Toll Free 800-323-1798
Port Orchard, Washington
© 1999-2006 Leader International Corporation,
FairWeather Site Furnishings division

Bike Rack, Model BR-1

Tree Palette

Meridian Downtown Streetscape Design Guidelines

North / South Street Trees

Gleditsia triacanthos inermis 'Skyline'	Skyline Honey Locust	3" Cal. B&B
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East / West Street Trees

Pyrus calleryana 'Holmford'	New Bradford Pear	3" Cal. B&B
Fraxinus americana 'Junginger'	Autumn Purple Ash	3" Cal. B&B
Tilia cordata 'Greenspire'	Littleleaf Linden	3" Cal. B&B
Sophora japonica	Japanese Pagodatree	3" Cal. B&B

Intersection Corner Trees

Malus spp.	Spring Snow	2" Cal. B&B
Acer ginnala	Amur Maple	2" Cal. B&B

Conclusion

These design guidelines identify the characteristic features of the historic commercial areas of Downtown Meridian and seek to ensure that as changes occur they will enhance that character. The guidelines are designed to serve to protect the existing features and promote compatible new growth and development into a cohesive vibrant downtown. By accomplishing these goals, property values increase, community identity is preserved and or enhanced and reestablished, and Meridian Downtown will become a destination for both locals and visitors.

Guideline Maintenance

Design guidelines are inherently a product of the period in which they are written and some guidelines might not be relevant to Meridian's needs at a future time. Additionally, guidelines are by nature experimental and must be tested through actual use. Initial implementation may indicate the need to abandon or amend some guidelines. Therefore, the development of an effective maintenance system is essential to the continued health of the guidelines.

An effective guideline maintenance system should be anchored in a systematic process for periodic feedback, review & revision. An initial feedback process in which comments are solicited from city personnel and other private and public groups should, once the guidelines are implemented, generate a system for sustained periodic feedback efforts. A sustained system for periodic feedback will generate the information required to evaluate the effectiveness of individual guidelines, the need to abandon or revise some guidelines, and the need for new guidelines.

Appendix A

Concrete Unit Pavers

Appendix B

Public Involvement Materials