

• MEET ME ON •
MEEKER
KENT, WASHINGTON



MEEKER STREET
STREETScape DESIGN & CONSTRUCTION STANDARDS

ADOPTED BY CITY COUNCIL ORDINANCE 4262
EFFECTIVE JANUARY 11TH, 2018

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Ben Wolters
Economic & Community Development Director

Hayley Bonsteel, AICP
Senior Planner

Tim LaPorte, PE
Public Works Director

Chad Bieren, PE
Deputy Director / City Engineer

Kelly Peterson, AICP
Special Projects / Transportation Manager

Rob Brown, PE
Transportation Engineer

Brian Levenhagen
Park Planner

KPG

John Davies, AICP, PTP
Senior Transportation Planner

Liz Gibson, PLA
Senior Landscape Architect

Sessyle Asato, PE
Senior Civil Engineer

Phuong Nguyen, PLA
Landscape Architect



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INTRODUCTION ► WHAT IS A STREETScape?

Streetscape: the appearance or view of a street.

streetscape noun \ˈstrēt-,skāp\ Source: merriam-webster.com
 Along the Meeker Street corridor this area includes, but is not limited to, the sidewalk surface, medians, crosswalks, street trees, bike facilities, lighting and site furnishings. Site furnishings can include, but are not limited to, benches, planters, tree grates, litter and recycling receptacles, bicycle racks, transit shelters, newsstands, bollards and banners. The sidewalk surface generally runs from the building face to the street curb and may include public plazas.



DESIGN

The streetscape for the Meeker Street design offers a stimulating urban environment with mix of contemporary aesthetics, diverse playfulness, interactive pedestrian themes and bike facilities, utilizing durable, low-maintenance materials and following low-impact development principles where possible. The Streetscape Plan classifies the different street segments by design 'types' that reflect the character of the area in which they are located, with overlays to address the treatment of significant intersections. With careful implementation, the Streetscape Plan will create a unique corridor for the City of Kent, providing an attractive, safe and multi-modal environment, for pedestrians and bicyclists.

There are two emerging themes mixed together throughout the corridor; Innovation and Multicultural. The Innovation theme builds upon the City of Kent's historical and emerging role as a leader in the high-technology industries. Streetscape elements relating to this theme would be contemporary, interactive, informative and playful and include modern lighting features, interpretive displays, and public art installations. The Multicultural theme celebrates the wide range of cultures and people that make up the City of Kent. Streetscape elements relating to this theme would be diversely flexible, inviting, stimulating, and engaging and include multicolored as well as mixed-material paving, colorful lighting, flexible seating, cultural art pieces, and community-oriented displays.



DESIGN PRINCIPLES

- *Attract and support pedestrian activity*
- *Create character and a sense of place and community*
- *Humanize the street corridor*
- *Design for aesthetics as well as function*
- *Create a safe environment for all age groups, all users, pedestrians and bicyclists*
- *Utilize sustainable options*

PURPOSE OF THIS DOCUMENT

This document provides guidance for City staff, property owners/developers and engineering and design consultants for the design and construction of the Meeker Street Streetscape.

The Standards included in this document demonstrates the City's vision for the full build-out of Meeker Street. Individual frontage improvements shall be adjusted at the discretion of the City to proportionately reflect the level of proposed development or redevelopment by the applicant.

Any improvement project along Meeker Street will go through a review and official approval process by City staff prior to construction installation.

The Standards will also insure over time that the Meeker Street streetscape design, including the materials and furnishings used, will create an attractive yet cohesive look and feel for the corridor. These highly visible infrastructure and streetscape improvements are vital to the success of Meeker Street, providing spaces for the everyday interaction of people, community events, and for development of adjoining private property.

The Standards will help advance the revitalization

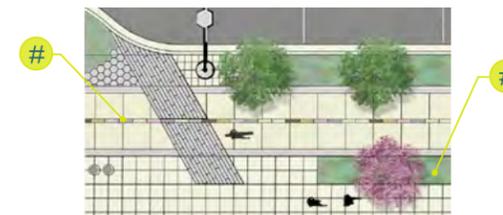
process, create safer public spaces, and generate a greater sense of community pride and economic vitality.

This document establishes a distinct set of guidelines for the Meeker Street corridor urban design, superseding those portions of the City of Kent Downtown Design Guidelines related to the sidewalk and streetscape treatment, as well as all other previous City of Kent visioning documents, for this corridor from Kent-Des Moines Road to 4th Avenue. The Downtown Overlay in the Design and Construction Standards applies to Meeker Street between 4th Avenue and Central Avenue.

Meeker Street has been identified as a RapidRide corridor in the KC Metro Transit long range plan for 2025 (RT 1056) and 2040 (RTs 1056 & 1515). Integration of civil elements related to current Metro bus stops and future RapidRide stops into the urban design for streetscapes will be required, and subject to review and approval by City Staff. For additional details refer to KC Metro's requirements for landing pad spacing, pavement type, shelter pad paving, as well as the KC Metro Draft Route Facilities RapidRide design document for additional details on RapidRide requirements.

HOW TO USE THIS DOCUMENT

- STEP 1. Locate the project on the **Corridor Diagram** (page 9) to determine which Streetscape Type(s) applies.
- STEP 2. Use the **Key** to locate the page(s) specific to the relevant Streetscape Type(s).
- STEP 3. Take a look at the plan- and section-view graphics; they illustrate which **Streetscape Elements** are required (or optional) for a given Streetscape Type and provide basic information on location, quantity and/or spacing.
- STEP 4. Use the lime green bubbles, and the **Key**, to locate the page(s) specific to the relevant Streetscape Elements. #
- STEP 5. The **Meeker Street Streetscape Standards** page(s) for each Streetscape Element provides detailed specifications (for standard items) or characteristics (for custom items), as well as photos/graphics and specific information on location, quantity and spacing requirements.
- STEP 6. Review the **Appendices** for references to relevant Construction Standards and photos of trees and plants.
- STEP 7. **DON'T FORGET!** This document is for guidance only; all roadway and streetscape designs must be approved by the City of Kent.



NOTE: The following factors shall be reviewed and accounted for, prior to determining streetscape element locations, spacing and quantity, as set forth in these Streetscape Design and Construction Standards:

1. Improvement project limits and length of block including driveways and mid-block crossing locations.
2. Lighting layout meeting current City of Kent illumination level and spacing requirements.

STREETScape ELEMENTS

The proposed design for Meeker Street would create new improvements along the north and south sides of the street. The north side would be improved with wide sidewalks, a landscaped buffer/amenity zone and on-street parking. The south side would feature a multi-modal promenade that extends from the Green River Trail to 6th Avenue S., which will then transition into the core downtown street section. Gowe Street is envisioned as the bicycle-oriented corridor connection through the downtown area. The proposed design would include the following elements:

Multi-Modal Promenade

The Buffer Zone, Amenity Zone, Pathway Zone and Walk Zone combine to create a single Multi-Modal Promenade. This concept provides an attractive, pedestrian-scaled feature that would be used by a mix of users including bicyclists, strollers, dog walkers and runners. The Promenade is a flexible space and could accommodate festivals and other events.

Amenity Zone (3'-5' width)

The proposed promenade incorporates amenity zones within a 4'-5' continuous linear amenity area. These will include design elements such as: pedestrian-scaled lighting, accent lighting, bicycle parking, benches, custom seating, trash receptacles, interpretive signs, wayfinding signage, and public art. Landscaping and street trees are included in these zones and nodes could be developed to allow for outdoor dining or other activities.

Connector Zone (6' width)

Sidewalk areas that provide cut-thru connection from on-street parking to the walk zone areas for pedestrian circulation and access to businesses.

Buffer Zone (3.5'-4' width)

Provides areas that separate pedestrian pathways from moving traffic. This zone could contain street trees, lighting, site furniture and landscaped areas.

Walk Zone (5'-8' width)

Sidewalk areas that provide for pedestrian circulation and access to businesses.

Pathway Zone (10' width)

Two-way path can be used as a walkway, for bicycle travel, and for parents with strollers.

On-Street Parking

Provides convenient parking to businesses and a buffer between the multi-modal promenade and from the vehicle traffic on Meeker Street.

Planted Center Medians

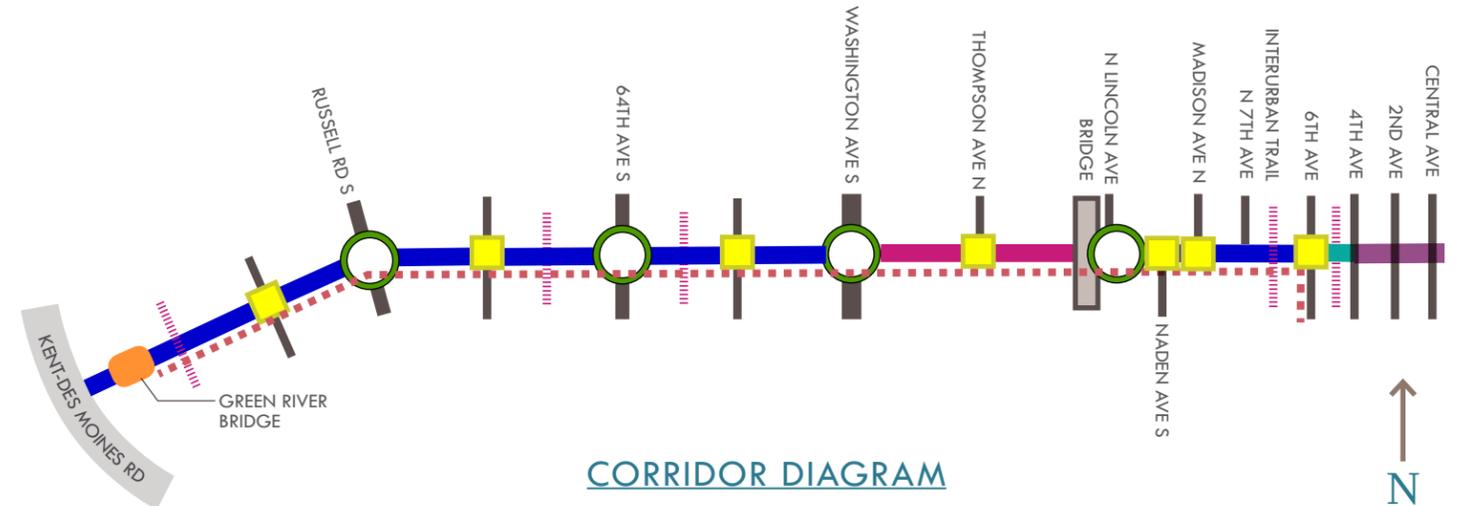
Provides left turn pockets for turning traffic or landscaped areas where turn lanes are not needed. They can also provide pedestrian refuges for mid-block crossing areas.

ABBREVIATIONS

Approx.	Approximately
AVE.	Avenue
CL.	Centerline
CSBC.	Crushed Stone Base Course
Conc.	Concrete
Dia.	Diameter
Ft.	Feet
In.	Inches
I.D.	Inside Diameter
Ht.	Height
lbs.	Pounds
Max.	Maximum
Min.	Minimum

N.	North
NTS.	Not to Scale
N/A.	Not Available
O.C.	On-Center
O.D.	Outside Diameter
Pt.	Point
Pg.	Page
RD.	Road
ROW.	Right-of-Way
S.	South
STD.	Standard
ST.	Street
Typ.	Typical

{ MEEKER STREET } > STREETScape TYPES

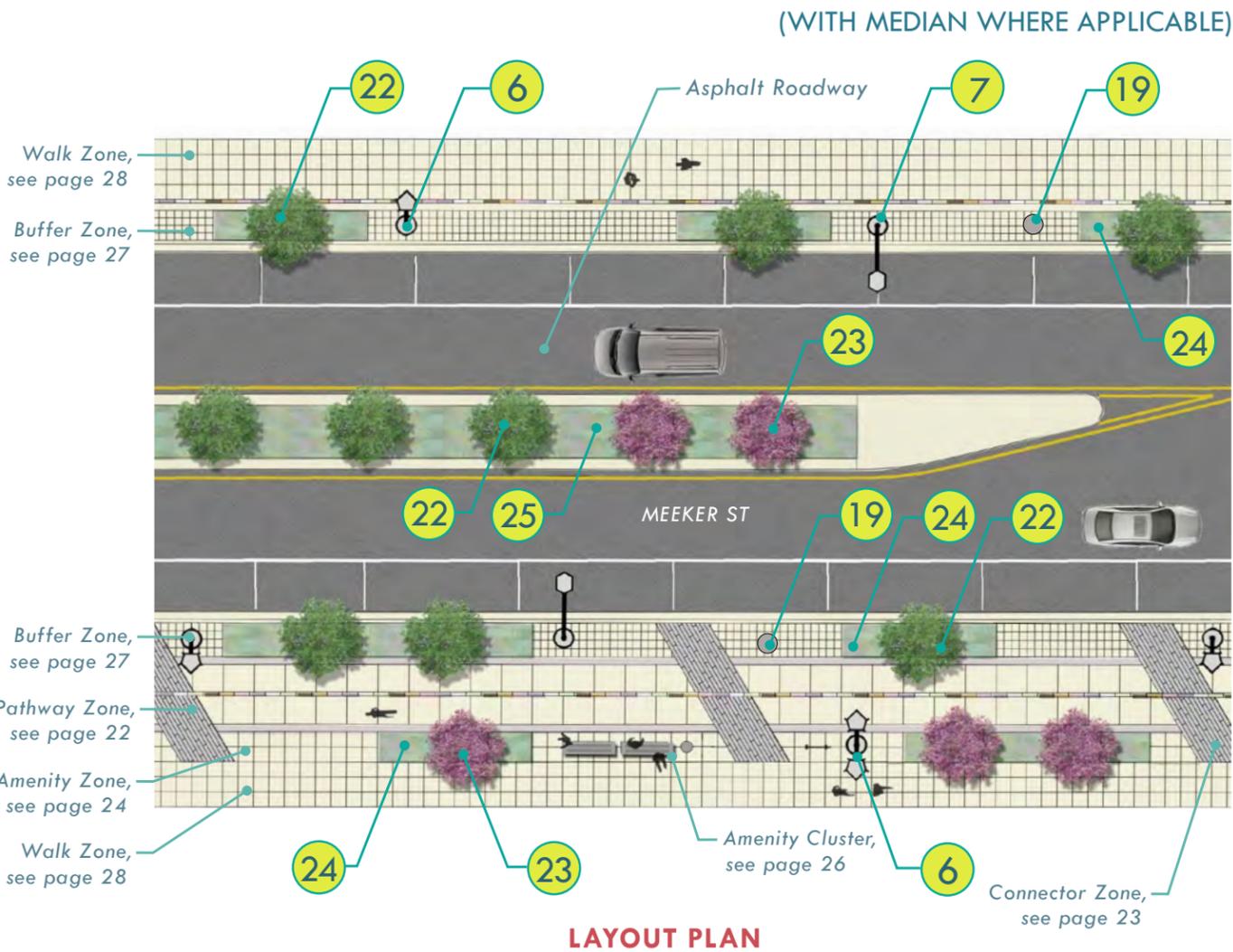


CORRIDOR DIAGRAM

KEY

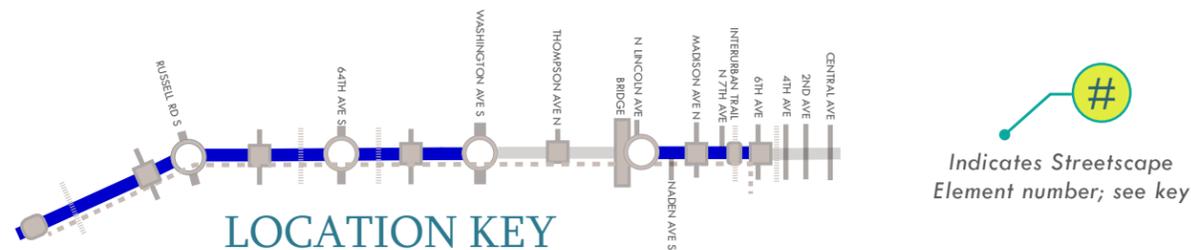
Streetscape Type A.....	pg. 10	Multi-Modal Promenade.....	pg. 22-28
Streetscape Type B.....	pg. 12	Pathway Zone.....	pg. 22
Streetscape Type C.....	pg. 14	Connector Zone.....	pg. 23
Current Downtown Overlay Standards.....	N/A	Amenity Zone.....	pg. 24
Mid-Block Crosswalk.....	pg. 16	Amenity Cluster.....	pg. 26
Minor Intersection/Crossing.....	pg. 18	Buffer Zone.....	pg. 27
Significant Intersection.....	pg. 20	Walk Zone.....	pg. 28

STREETScape TYPES | STREETScape TYPE A

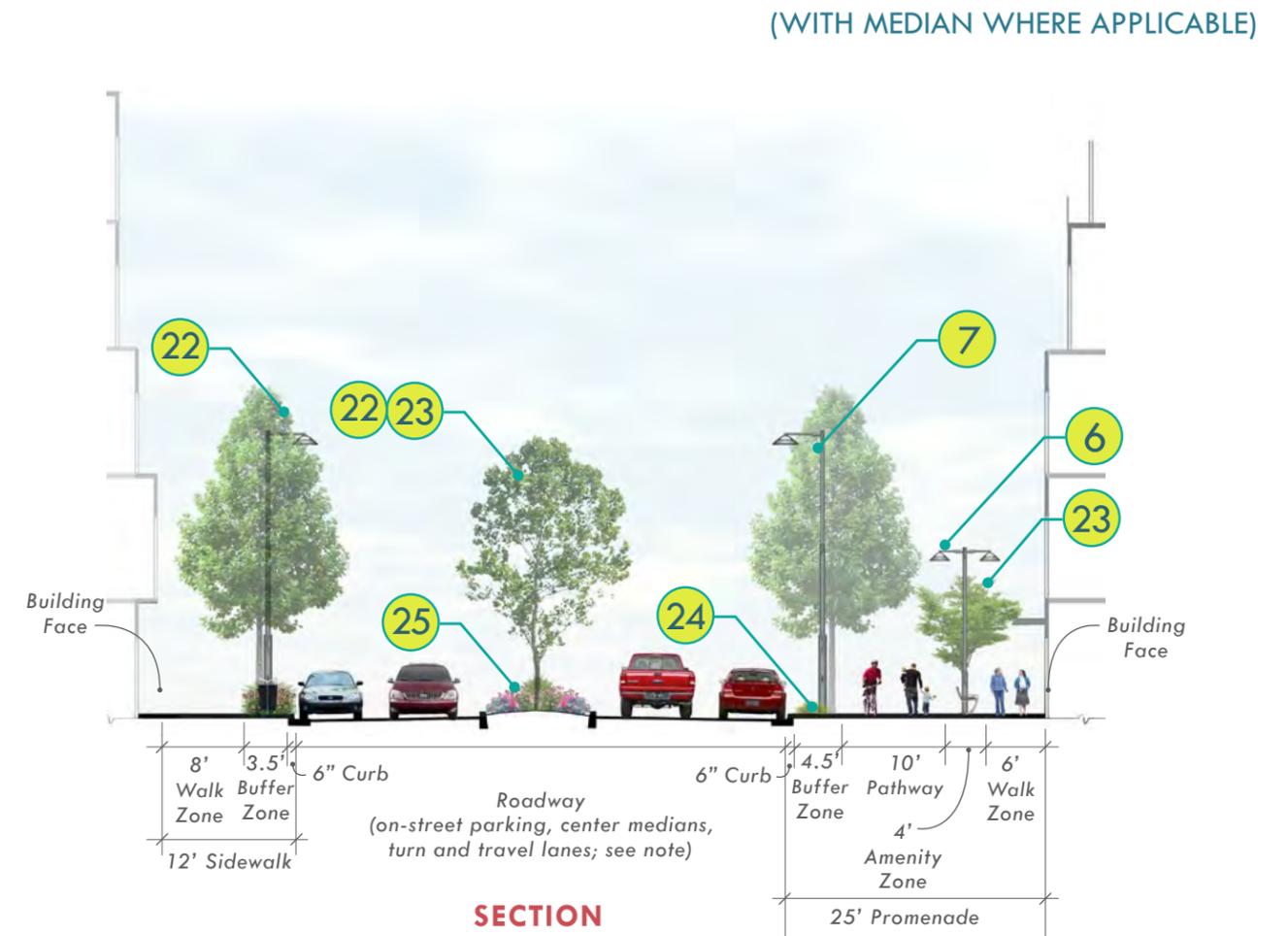


NOTE: This plan illustrates a typical 3-lane roadway section which can increase to 5 lanes at points along the corridor.

Streetscape Type A creates a visible pedestrian-oriented street experience by creating an east/west connection through to the heart of the corridor with slower moving traffic, on-street parking and features that will encourage safer pedestrian and bicycle usage.



STREETScape TYPES | STREETScape TYPE A



KEY | STREETScape TYPE A ELEMENTS

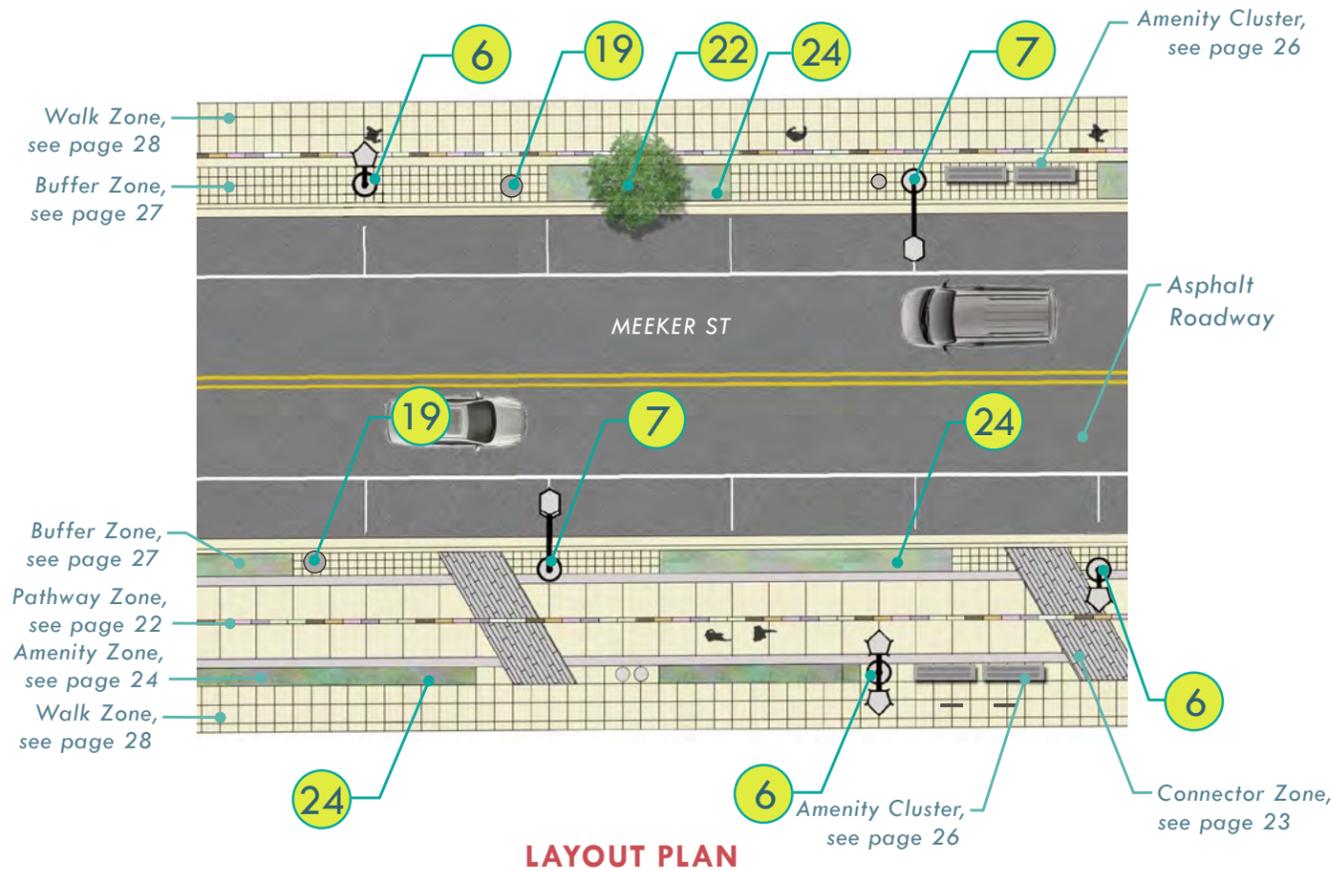
- 6 Pedestrian Lighting, typ. [60'-80' O.C., staggered]pg. 34
- 7 Street Lighting, typ. [70'-90' O.C., staggered]pg. 34
- 19 Decorative Utility Covers (as required within sidewalk paving) *pg. 43
- 22 Street Tree, typ.pg. 45
- 23 Accent Tree, typ.pg. 46
- 24 Planter, typ.pg. 47
- 25 Planted Roadway Medianpg. 49

* Not shown

NOTE: Layout shown is for illustrative purposes only; see Streetscape Zones (page 22-28) for hardscape requirements and additional required streetscape elements within each zone. Actual roadway and streetscape designs to be approved by the City of Kent; all construction details shall be per current City of Kent standard details and applicable Meeker Street Construction Standards, Appendix B.

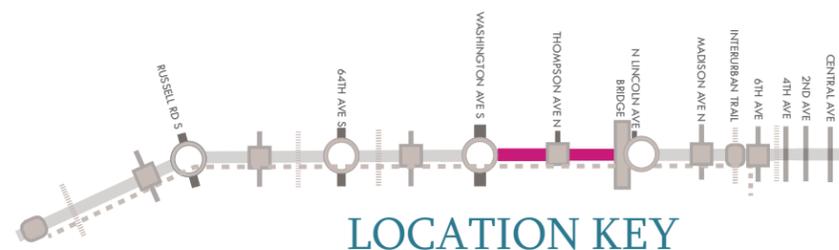
STREETSCAPE TYPES | STREETSCAPE TYPE B

(BETWEEN WASHINGTON AVENUE AND SR-167)



LAYOUT PLAN

Streetscape Type B provides a reduced promenade section between east of the Washington Avenue South intersection and the SR-167 overpass, to accommodate existing businesses and limited ROW. The multi-modal promenade is continued through this section on the south side with the Pathway and Walk Zone.

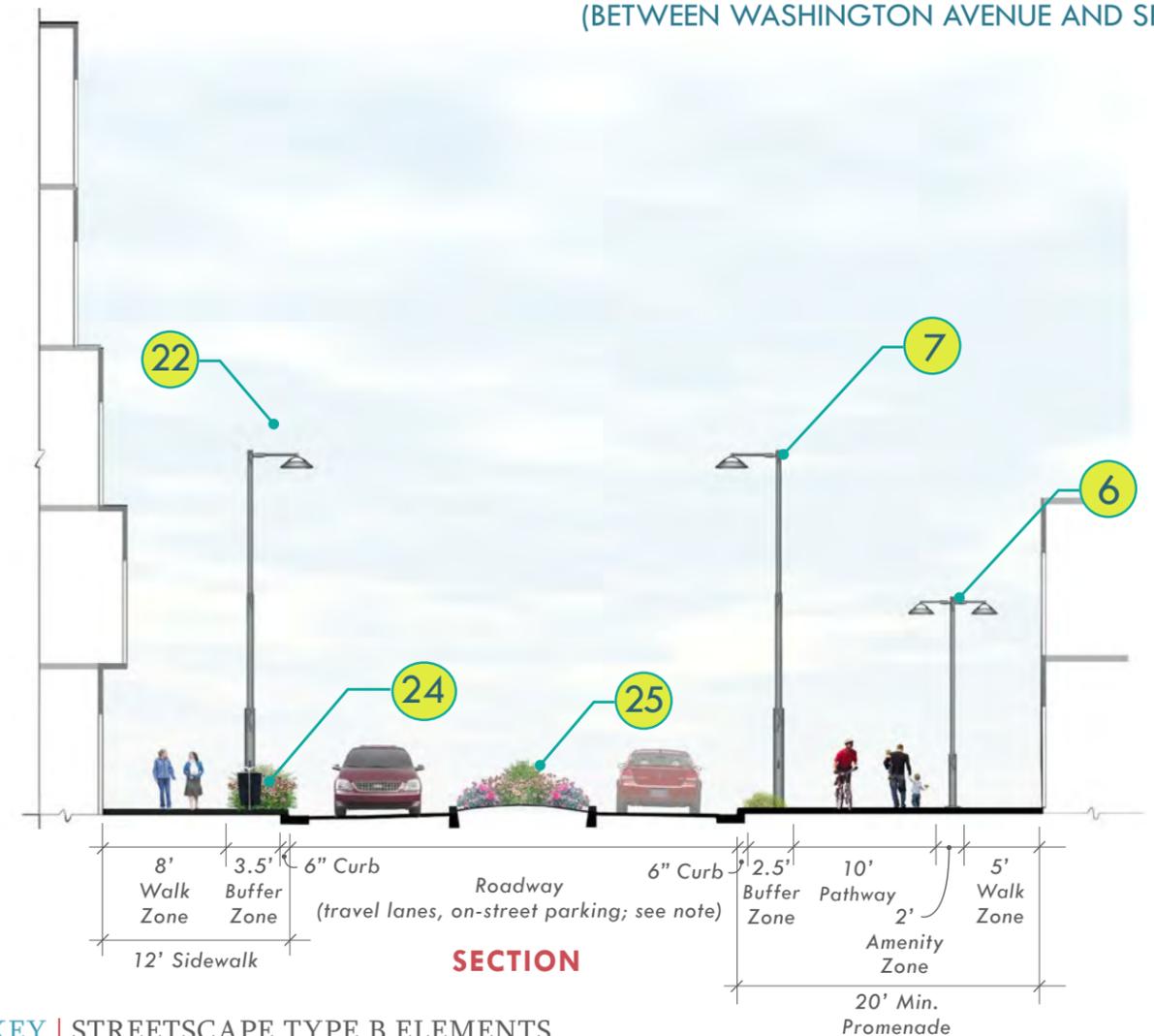


LOCATION KEY

Indicates Streetscape Element number; see key

STREETSCAPE TYPES | STREETSCAPE TYPE B

(BETWEEN WASHINGTON AVENUE AND SR-167)



SECTION

KEY | STREETSCAPE TYPE B ELEMENTS

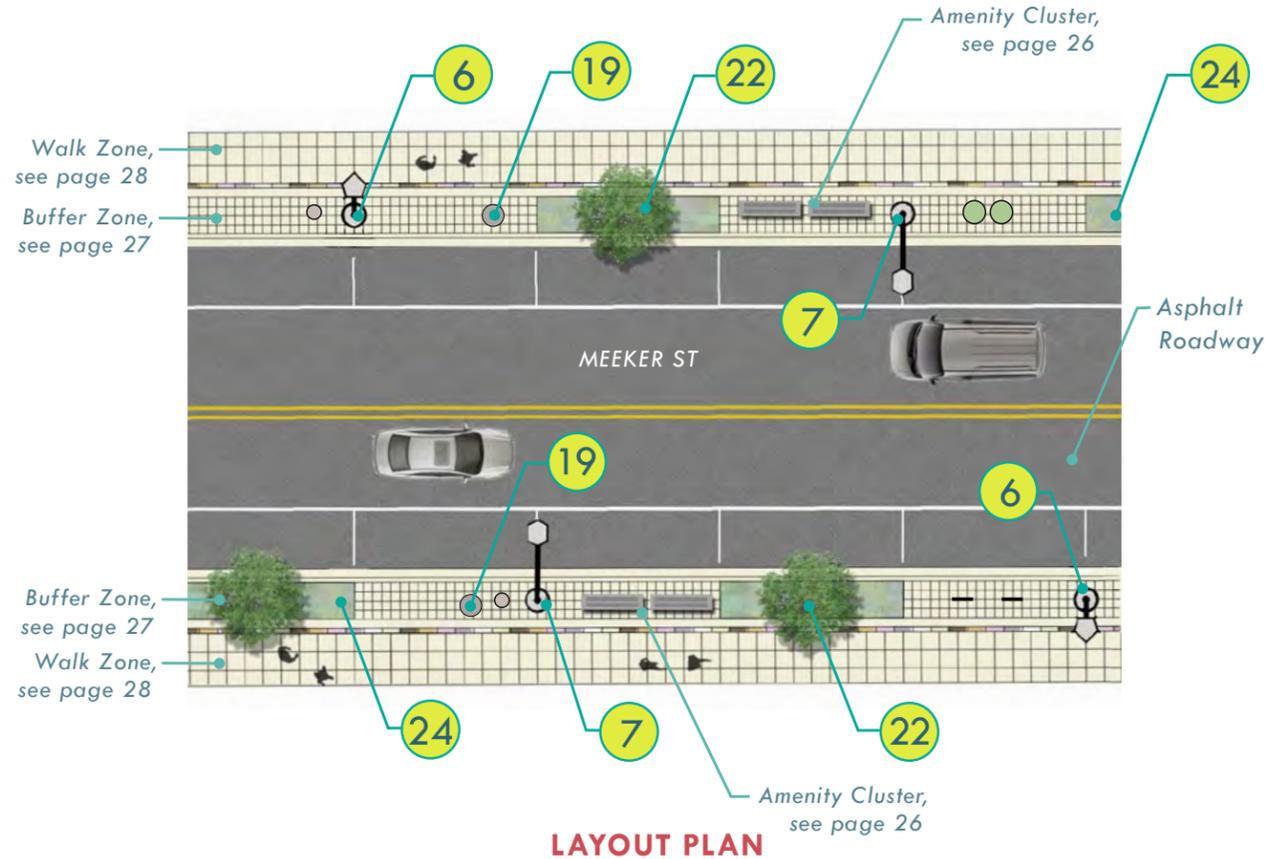
- 6 Pedestrian Lighting, typ. [60'-80' O.C., staggered]pg. 34
- 7 Street Lighting, typ. [70'-90' O.C., staggered]pg. 34
- 19 Decorative Utility Covers (as required within sidewalk paving) *pg. 43
- 22 Street Tree, typ.pg. 45
- 23 Accent Tree, typ.pg. 46
- 24 Planter, typ.pg. 47
- 25 Planted Roadway Medianpg. 49

* Not shown

NOTE: Minimum required dimensions shown, where feasible the full buildout standard section shall be implemented, or at the discretion of the City. Layout shown is for illustrative purposes only; see Streetscape Zones (page 22-28) for hardscape requirements and additional required streetscape elements within each zone. Actual roadway and streetscape designs to be approved by the City of Kent; all construction details shall be per current City of Kent standard details and applicable Meeker Street Construction Standards, Appendix B.

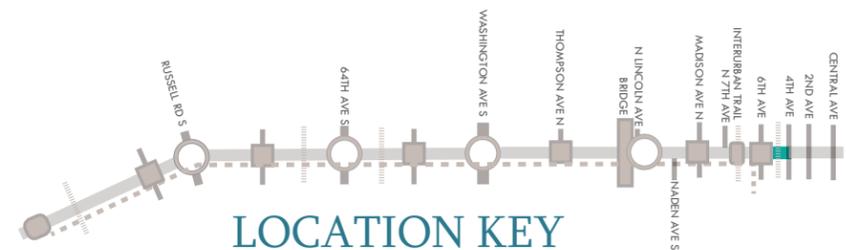
STREETScape TYPES | STREETScape TYPE C

(BETWEEN 6TH AVENUE AND 4TH AVENUE)



LAYOUT PLAN

The Streetscape Type C section illustrates the Downtown section with sidewalks on both sides and on-street parallel parking.

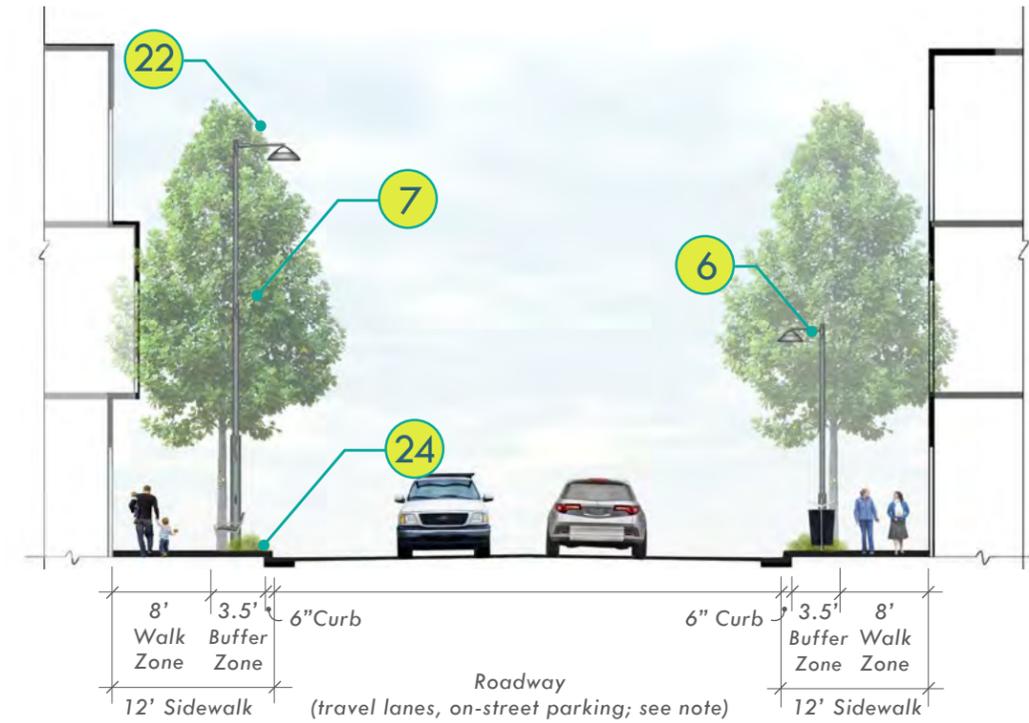


LOCATION KEY

Indicates Streetscape Element number; see key

STREETScape TYPES | STREETScape TYPE C

(BETWEEN 6TH AVENUE AND 4TH AVENUE)



SECTION

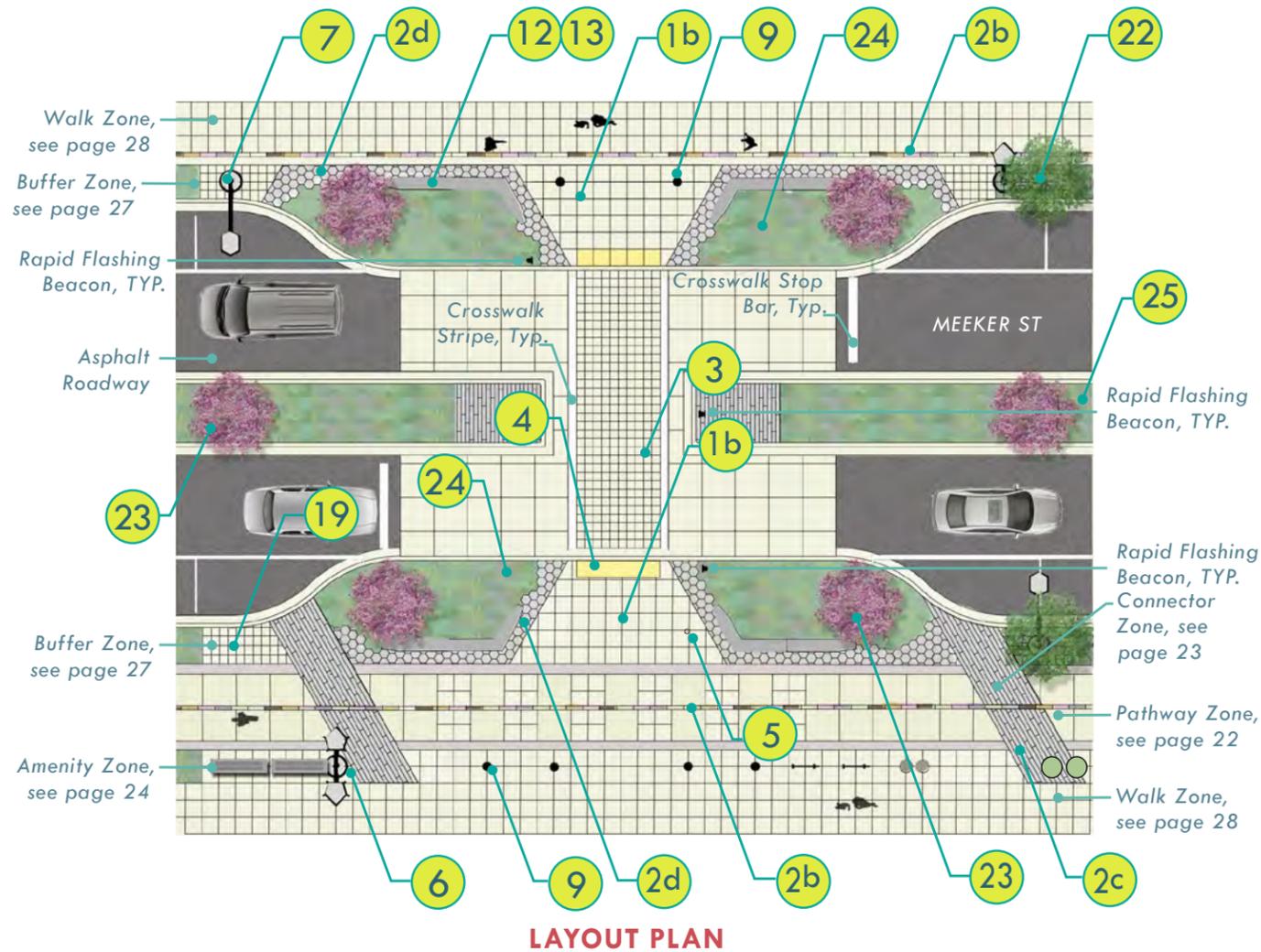
KEY | STREETScape TYPE C ELEMENTS

6	Pedestrian Lighting, typ. [60'-80' O.C., staggered]	pg. 34
7	Street Lighting, typ. [70'-90' O.C., staggered]	pg. 34
19	Decorative Utility Covers (as required within sidewalk paving) *	pg. 43
22	Street Tree, typ.	pg. 45
23	Accent Tree, typ.	pg. 46
24	Planter, typ.	pg. 49

* Not shown

NOTE: Layout shown is for illustrative purposes only; see Streetscape Zones (page 22-28) for hardscape requirements and additional required streetscape elements within each zone. Actual roadway and streetscape designs to be approved by the City of Kent; all construction details shall be per current City of Kent standard details and applicable Meeker Street Construction Standards, Appendix B.

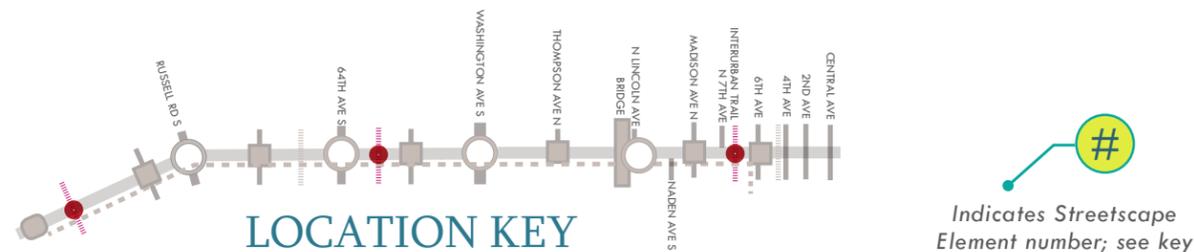
INTERSECTION TYPES | MID-BLOCK CROSSWALK - RAISED



LAYOUT PLAN

Mid-Block Crossings create highly-visible crossing locations that facilitate pedestrian activity. Crossings should be raised to provide traffic calming.

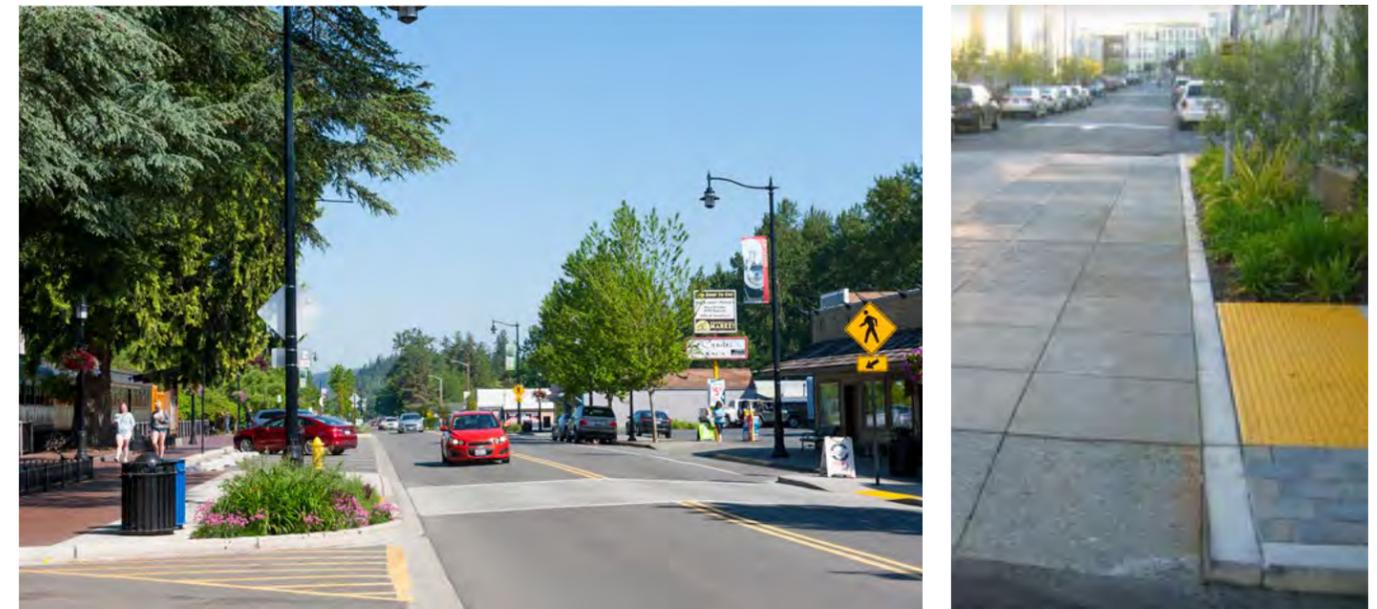
NOTE: Layout shown is for illustrative purposes only and shows only the streetscape elements required at the Mid-Block Crosswalks - Raised; see Streetscape Zones (page 22-28) for additional required streetscape elements within each zone. Actual roadway and streetscape designs to be approved by the City of Kent; all construction details shall be per current City of Kent standard details and applicable Meeker Street Construction Standards, Appendix B.



LOCATION KEY

Indicates Streetscape Element number; see key

INTERSECTION TYPES | MID-BLOCK CROSSWALK - RAISED



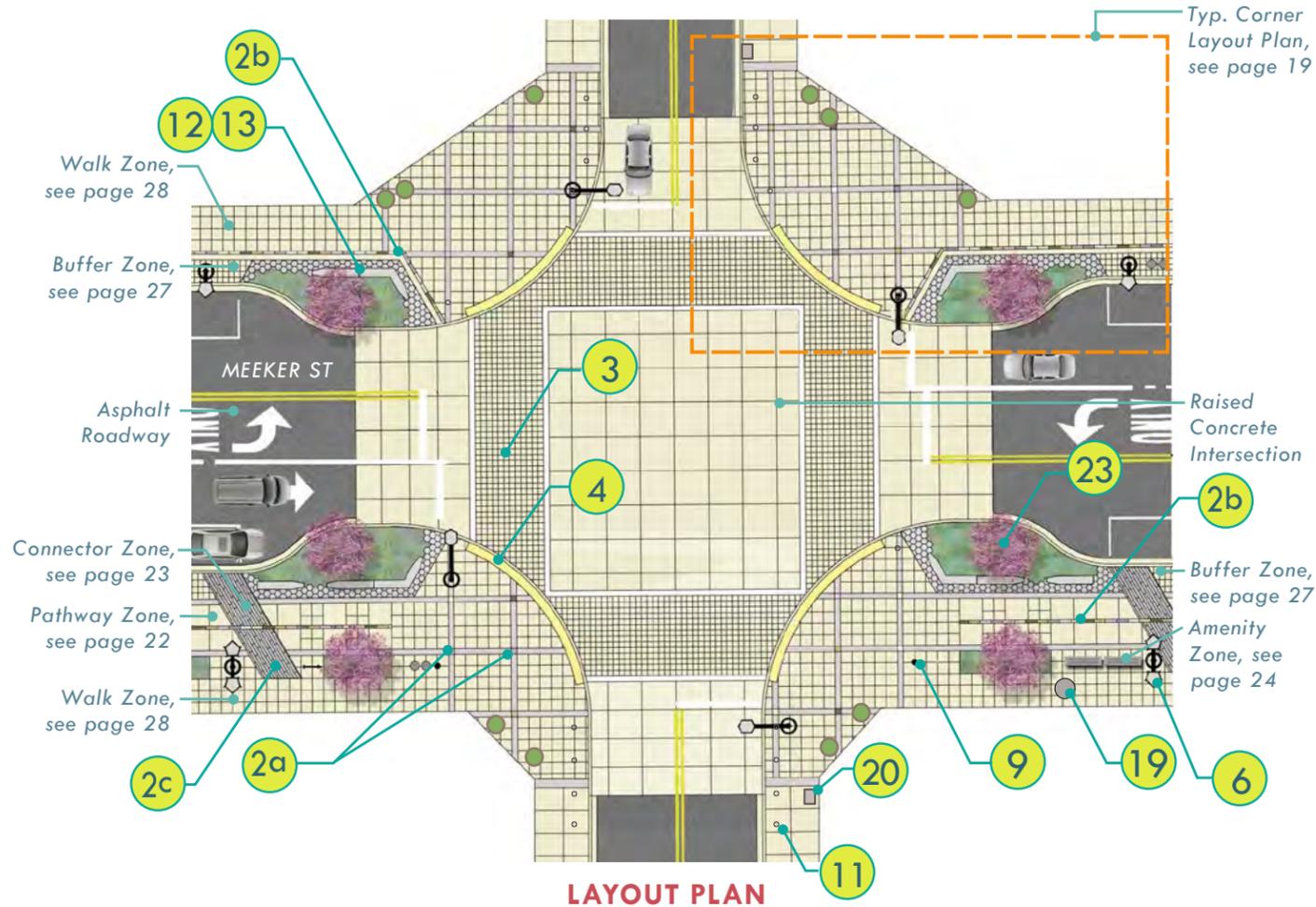
Examples of mid-block crosswalks and raised crosswalks

KEY | MID-BLOCK CROSSWALK ELEMENTS

- 1b 2'x2' Scored Cement Concrete Sidewalkpg. 30
- 2b Linear Accent Paver Band..... pg. 31
- 2c Linear Stamped Concrete [within Connector Zone] pg. 31
- 2d Hexagon Pavers pg. 31
- 3 Cement Concrete Crosswalkpg. 32
- 4 ADA Detectable Warning Surface, typ.....pg. 32
- 5 Wayfinding Sign, typ. (design and location TBD) *.....pg. 33
- 6 Pedestrian Lighting, typ. [60'-80' O.C., staggered]pg. 34
- 7 Street Lighting, typ. [70'-90' O.C., staggered]pg. 34
- 9 Accent Bollard Lighting [8'-10' O.C.; four (4) at South and two (2) at North Mid-Block Crosswalks] .pg. 35
- 12 Standard Bench [two (2) min. along planters at either side of Mid-Block Crosswalks] *..... pg. 37
- 13 Modular Bench, typ. (optional alternate to standard)pg. 38
- 19 Decorative Utility Covers (as required within sidewalk paving) *.....pg. 43
- 22 Street Tree, typ.pg. 45
- 23 Accent Tree, typpg. 46
- 24 Planter, typ.....pg. 47
- 25 Planted Roadway Median (where possible).....pg. 49

* Not shown

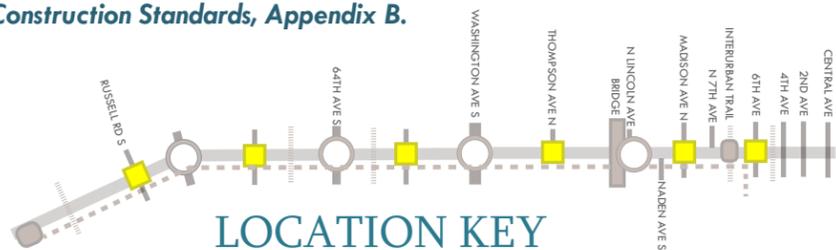
INTERSECTION TYPES | MINOR INTERSECTION/CROSSING - RAISED/CURBLESS



LAYOUT PLAN

Minor Intersections/Crossings are located at minor intersections along Meeker Street where multiple levels of cross traffic co-mingle. The raised intersection and curbless corners better facilitate various movements for both bicycles and pedestrians.

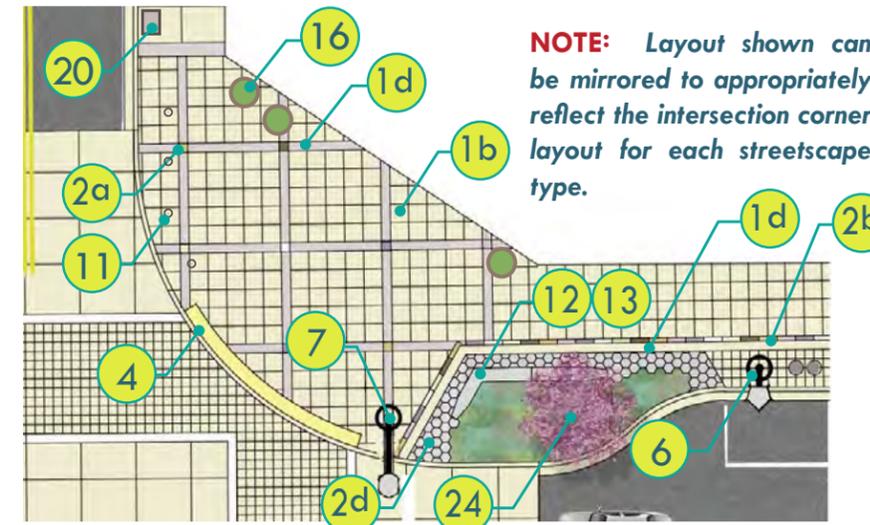
NOTE: Layout shown is for illustrative purposes only and shows only the streetscape elements required at the Minor Intersection/Crossing - Raised/Curbless; see Streetscape Zones (page 22-28) for additional required streetscape elements within each zone. Actual roadway and streetscape designs to be approved by the City of Kent; all construction details shall be per current City of Kent standard details and applicable Meeker Street Construction Standards, Appendix B.



LOCATION KEY

Indicates Streetscape Element number; see key

INTERSECTION TYPES | MINOR INTERSECTION/CROSSING - RAISED/CURBLESS



TYPICAL CORNER LAYOUT PLAN (STREETSCAPE TYPE A, B & C)



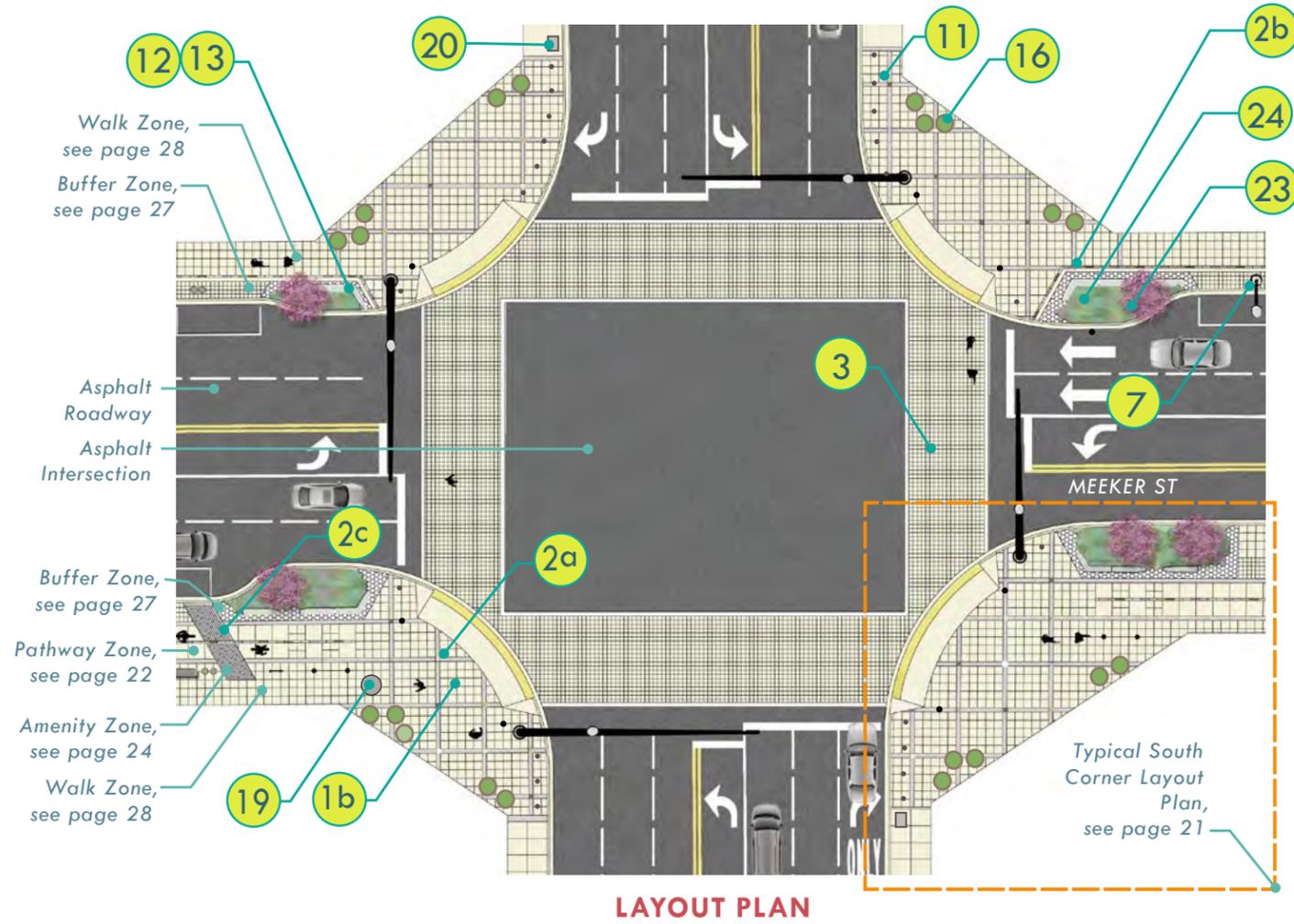
Example of treatments including, roadway lighting, seating, sidewalk treatments and landscaped planters

KEY | MINOR INTERSECTION/CROSSING ELEMENTS

1b	2'x2' Scored Cement Concrete Sidewalk.....	pg. 30
1d	Colored Cement Concrete Band.....	pg. 30
2a	Square Accent Pavers.....	pg. 31
2b	Linear Accent Paver Band.....	pg. 31
2c	Linear Stamped Concrete [within Connector Zone].....	pg. 31
2d	Hexagon Pavers.....	pg. 31
3	Cement Concrete Crosswalk.....	pg. 32
4	ADA Detectable Warning Surface, typ.....	pg. 32
5	Wayfinding Sign, typ. (design and location TBD) *.....	pg. 33
6	Pedestrian Lighting, typ. [60'-80' O.C., staggered].....	pg. 34
7	Street Lighting, typ. [70'-90' O.C., staggered].....	pg. 34
9	Accent Bollard Lighting [one (1) at each South Side Corner].....	pg. 35
11	Heavy Duty Bollard, typ. [6' O.C.; 3' from roadway edge].....	pg. 36
12	Standard Bench [two (2) min. along planter at Buffer Zone] *.....	pg. 37
13	Modular Bench, typ. (optional alternate to standard).....	pg. 38
16	Freestanding Planter, typ.	pg. 41
19	Decorative Utility Covers (as required within sidewalk paving) *.....	pg. 43
20	Utility Boxes, typ. (as required).....	pg. 43
23	Accent Tree, typ.....	pg. 46
24	Planter, typ.....	pg. 47

* Not shown

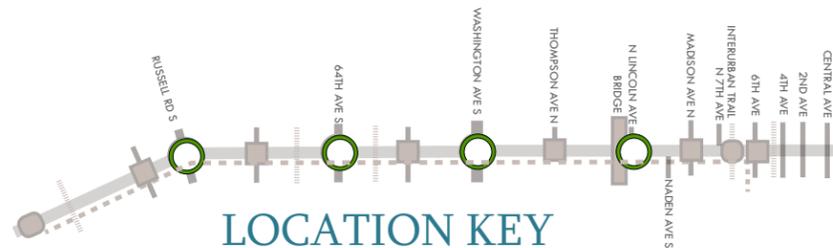
INTERSECTION TYPES | SIGNIFICANT INTERSECTION



LAYOUT PLAN

Significant Intersections are located along Meeker Street at Russell Road, 64th Avenue, Washington Avenue and Lincoln Avenue. These signalized intersections accommodate larger volumes of vehicular traffic as well as alternative modes of transportation circulating through the space.

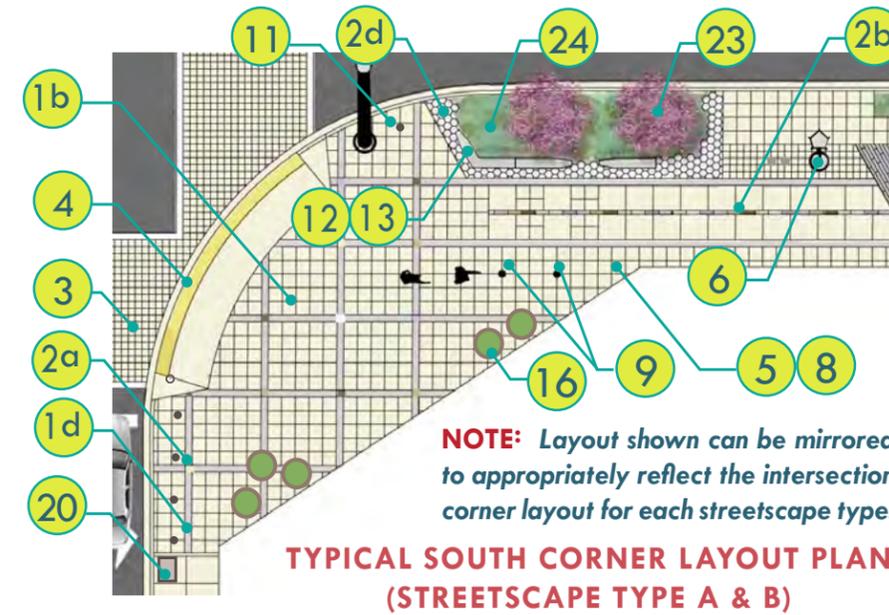
NOTE: Layout shown is for illustrative purposes only and shows only the streetscape elements required at the Significant Intersections; see Streetscape Zones (page 22-28) for additional required streetscape elements within each zone. Actual roadway and streetscape designs to be approved by the City of Kent; all construction details shall be per current City of Kent standard details and applicable Meeker Street Construction Standards, Appendix B.



LOCATION KEY

Indicates Streetscape Element number; see key

INTERSECTION TYPES | SIGNIFICANT INTERSECTION



Example of intersection treatments including, seating, potted and landscaped planters

KEY | SIGNIFICANT INTERSECTION ELEMENTS

1b	2'x2' Scored Cement Concrete Sidewalk	pg. 30
1d	Colored Cement Concrete Band	pg. 30
2a	Square Accent Pavers	pg. 31
2b	Linear Accent Paver Band	pg. 31
2c	Linear Stamped Concrete [within Connector Zone]	pg. 31
2d	Hexagon Pavers	pg. 31
3	Cement Concrete Crosswalk	pg. 32
4	ADA Detectable Warning Surface, typ.	pg. 32
5	Wayfinding Sign, typ. (design and location TBD)	pg. 33
6	Pedestrian Lighting, typ. [60'-80' O.C., staggered]	pg. 34
7	Street Lighting, typ. [70'-90' O.C., staggered]	pg. 34
8	Accent Column Lighting, typ. (optional;)	pg. 35
9	Accent Bollard Lighting [8'-10' O.C.; two (2) at each South Side Significant Intersection Corner]	pg. 35
11	Heavy Duty Bollard, typ. [6' O.C.; 3' from roadway edge]	pg. 36
12	Standard Bench [two (2) min. along planter at Buffer Zone] *	pg. 37
13	Modular Bench, typ. (optional alternate to standard)	pg. 38
16	Freestanding Planter, typ.	pg. 41
19	Decorative Utility Covers (as required within sidewalk paving) *	pg. 43
20	Utility Boxes, typ. (as required)	pg. 43
23	Accent Tree, typ.	pg. 46
24	Planter, typ.	pg. 47

* Not shown

STREETSCAPE ZONES | PATHWAY ZONE

PATHWAY ZONE LOCATION

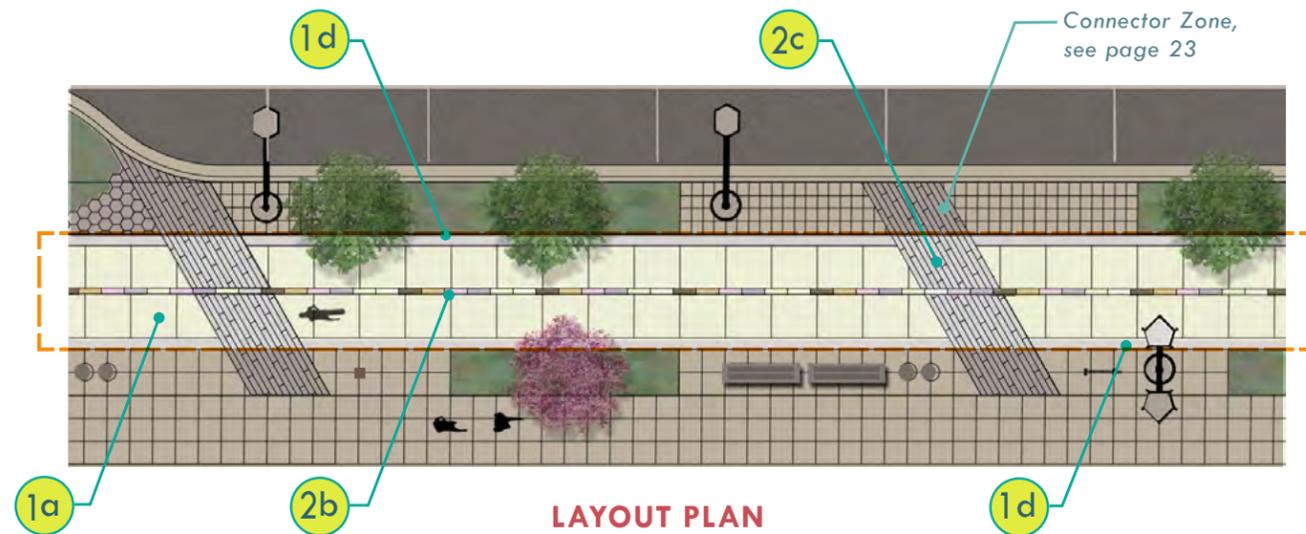
The Pathway runs along the south side of the Meeker Street corridor, from the Green River Bridge to 6th Avenue.



Example of a multi-modal pathway within an urban setting

PATHWAY ZONE SPECIFICATIONS

- **Material:** Scored Cement Concrete, Precast Concrete Pavers and Stamped Concrete.
- **Width:** 10'-0"



KEY | PATHWAY ZONE ELEMENTS

- 1a 4' O.C. Scored Cement Concrete Sidewalkpg. 30
- 1d Colored Cement Concrete Band.....pg. 30
- 2b Linear Accent Paver Band.....pg. 31
- 2c Linear Stamped Concrete [within Connector Zone]pg. 31

NOTE: Actual streetscape designs to be approved by the City of Kent; all construction details shall be per current City of Kent standard details and applicable Meeker Street Construction Standards, Appendix B.

A key element along the Meeker Street corridor is the Pathway Zone which is designed to accommodate a mix of users, including pedestrians, bicyclists and strollers.



STREETSCAPE ZONES | PATHWAY ZONE



Example of a multi-modal promenade pathway

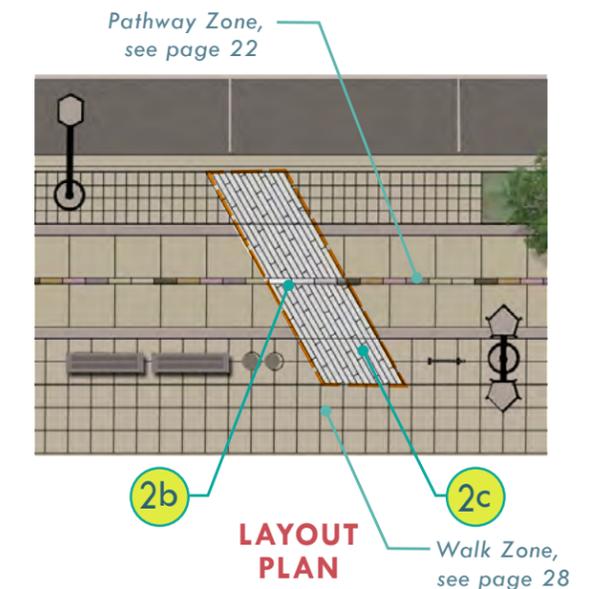
STREETSCAPE ZONES | CONNECTOR ZONE

CONNECTOR ZONE LOCATIONS

Connector Zones are *required* across the Pathway

CONNECTOR ZONE SPECIFICATIONS

- **Material:** Linear Stamped Concrete
- **Width:** 6'-0"
- **Length:** Varies based on distance from curbline to edge of Walk Zone
- **Spacing:** One (1) Connector Zone shall be located approximately every 60'-0" to 100'-0" O.C. along the length of each block; coordinate locations with Amenity Clusters and on-street parking stalls
- **Alignment:** 60-degree angle to back of curb



KEY | CONNECTOR ZONE ELEMENTS

- 2b Linear Accent Paver Band [within Pathway Zone].....pg. 31
- 2c Linear Stamped Concrete [within Connector Zone]pg. 31

NOTE: Actual streetscape designs to be approved by the City of Kent; all construction details shall be per current City of Kent standard details and applicable Meeker Street Construction Standards, Appendix B.

Connector Zones provide a marked cut-through across the Pathway for pedestrians to cross from on-street parking to the Walk Zone

STREETSCAPE ZONES | AMENITY ZONE

AMENITY ZONE LOCATION

The Amenity Zone runs along the south side of the Meeker Street corridor, from the Green River bridge to 6th Avenue

AMENITY ZONE SPECIFICATIONS

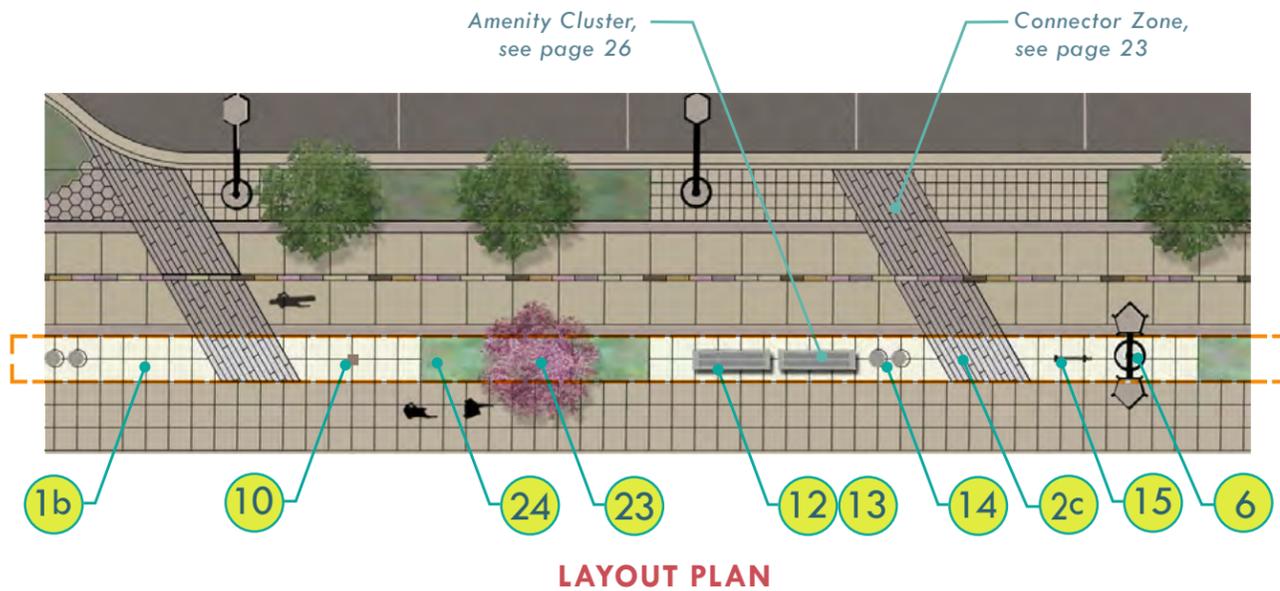
- **Material:** Scored Cement Concrete, Linear Stamped Concrete
- **Width:** 5'-0" (2'-0" in Streetscape B only)



STREETSCAPE ZONES | AMENITY ZONE



Example of amenity zone with freestanding planters, trees, tables, chairs, accent lighting and receptacles



The Amenity Zone separates the Pathway from the Walk Zone, providing a space for pedestrian-friendly amenities including seating, lighting, bicycle parking, receptacles, plantings, accent trees, signage and public art.



KEY | AMENITY ZONE ELEMENTS

1b	2'x2' Scored Cement Concrete Sidewalk.....	pg. 30
2c	Linear Stamped Concrete [within Connector Zone]	pg. 31
6	Pedestrian Lighting, typ. [60'-80' O.C., staggered]	pg. 34
9	Accent Bollard Lighting [8'-10' O.C.] (required) *	pg. 35
10	Decorative Bollard [6' O.C.] (optional)	pg. 36
12	Standard Bench [within Amenity Cluster]	pg. 37
13	Modular Bench [optional alternate to standard, within Amenity Cluster] *	pg. 38
14	Receptacle [within Amenity Cluster]	pg. 39
15	Bicycle Rack [within Amenity Cluster]	pg. 40
16	Freestanding Planter (optional) *	pg. 41
23	Accent Tree, typ	pg. 46
24	Planter, typ.	pg. 47

* Not shown

NOTE: Actual streetscape designs to be approved by the City of Kent; all construction details shall be per current City of Kent standard details and applicable Meeker Street Construction Standards, Appendix B.

STREETScape ZONES | AMENITY CLUSTER

AMENITY CLUSTER LOCATIONS

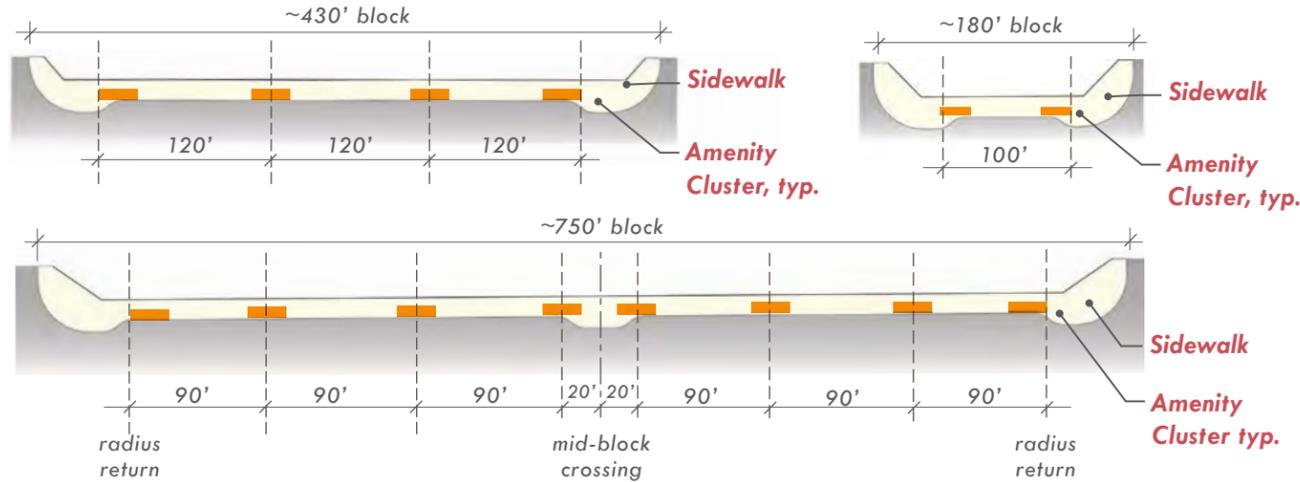
Amenity Clusters are **required** with the Amenity Zone (south side of Meeker Street) and the Buffer Zone (north side of Meeker Street)



Examples of amenity clusters

AMENITY CLUSTER SPECIFICATIONS

- **Spacing:**
 - One (1) Amenity Cluster shall be located at radius return of each Minor Intersection/Crossing and Significant Intersection (including future/planned intersections)
 - Two (2) Amenity Clusters shall be located at each Mid-Block Crossing
 - One (1) Amenity Cluster shall be located every 90'-0" to 120'-0" O.C. along the length of each block (see below)
- **Length:** 20'-0" min.



AMENITY CLUSTER TYPICAL SPACING

AMENITY CLUSTER ELEMENTS

Standard Bench [one (1) each min. per Amenity Cluster]	pg. 37
Modular Bench [optional alternate to standard, within Amenity Cluster].....	pg. 38
Receptacle [one (1) each min. per three (3) Amenity Clusters; at least one w/in 30' of intersection]	pg. 39
Bicycle Rack [two (2) min. per block; at least one w/in 30' of intersection].....	pg. 40

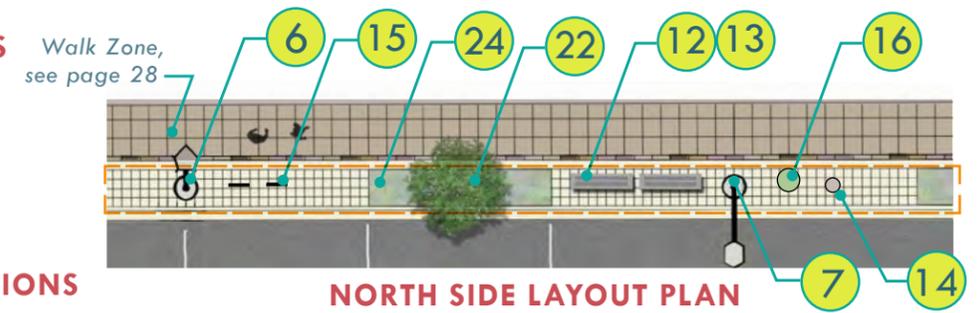
NOTE: Actual streetscape designs to be approved by the City of Kent; all construction details shall be per current City of Kent standard details and applicable Meeker Street Construction Standards, Appendix B.

Amenity Clusters are located at frequent intervals along the corridor and at intersections and include pedestrian friendly site furnishings

STREETScape ZONES | BUFFER ZONE

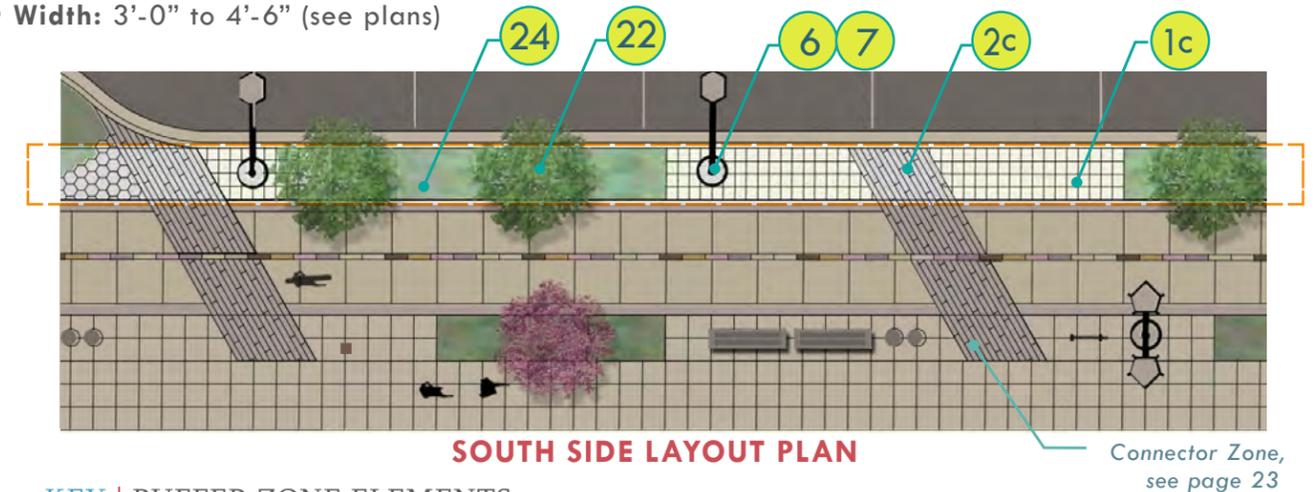
BUFFER ZONE LOCATIONS

The Buffer Zone runs along the curbline on both sides of the Meeker Street corridor from the Green River bridge to Central Avenue



BUFFER ZONE SPECIFICATIONS

- **Material:** Scored Cement Concrete, Precast Concrete Pavers
- **Width:** 3'-0" to 4'-6" (see plans)



KEY | BUFFER ZONE ELEMENTS

1c 1'x1' Scored Cement Concrete Sidewalk	pg. 30
2c Linear Stamped Concrete [within Connector Zone]	pg. 31
6 Pedestrian Lighting, typ. [60'-80' O.C., staggered]	pg. 34
7 Street Lighting, typ. [70'-90' O.C., staggered]	pg. 34
12 Standard Bench [within Amenity Cluster on north side]	pg. 37
13 Modular Bench [optional alternate to standard, within Amenity Cluster] *.....	pg. 38
14 Receptacle [within Amenity Cluster on north side]	pg. 39
15 Bicycle Rack [within Amenity Cluster on north side]	pg. 40
16 Freestanding Planter (optional)	pg. 41
22 Street Tree, typ.	pg. 45
24 Planter, typ.	pg. 47

* Not shown

NOTE: Actual streetscape designs to be approved by the City of Kent; all construction details shall be per current City of Kent standard details and applicable Meeker Street Construction Standards, Appendix B.

The Buffer Zone separates pedestrians and bicyclists from the roadway with planters, street trees, lighting and site furnishings.

Indicates Streetscape Element number; see key

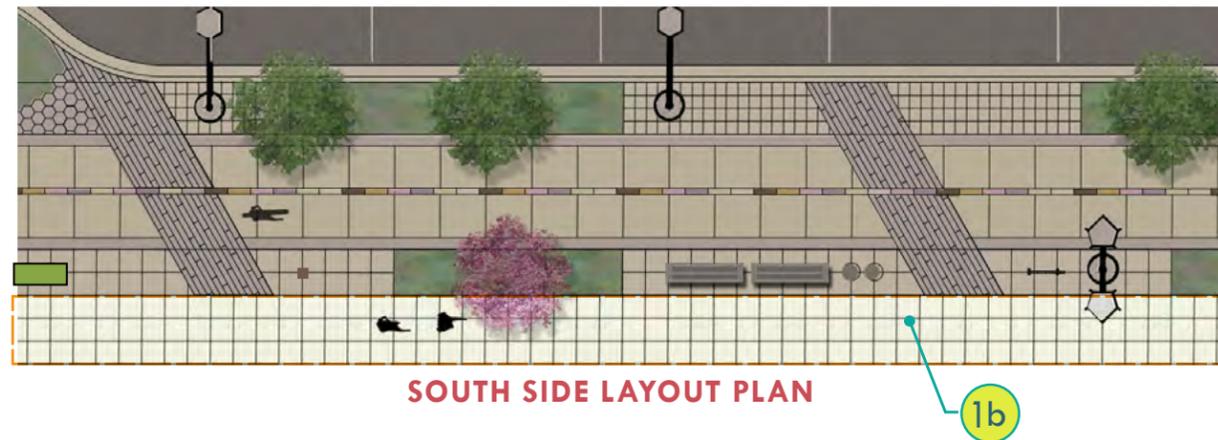
STREETSCAPE ZONES | WALK ZONE

WALK ZONE LOCATION

The Walk Zone runs along both north and south sides of Meeker Street from the Green River bridge to Central Avenue

WALK ZONE SPECIFICATIONS

- **Material:** Scored Cement Concrete
- **Width:** 5'-0" to 6'-0" on the South Side, 8'-0" including Cement Concrete Band and Linear Accent Paver Band on the North Side (see plans)



KEY | WALK ZONE ELEMENTS

- 1b 2'x2' Scored Cement Concrete Sidewalk.....pg. 30
- 1d Colored Cement Concrete Band.....pg. 30
- 2b Linear Accent Paver Band.....pg. 31

NOTE: Actual streetscape designs to be approved by the City of Kent; all construction details shall be per current City of Kent standard details and applicable Meeker Street Construction Standards, Appendix B.

The Walk Zone is a traditional sidewalk that provides pedestrian circulation along the corridor and access to businesses.



{ MEEKER STREET } > STREETSCAPE STANDARDS

STREETSCAPE STANDARDS

Hardscape Treatment..... pg. 30

Features & Signage pg. 33

Illumination..... pg. 34

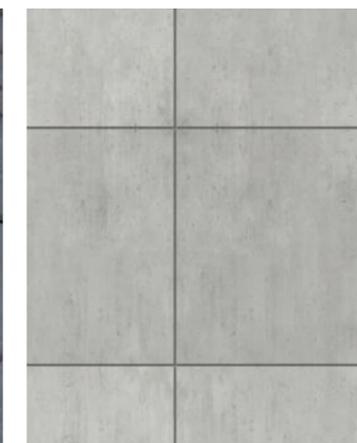
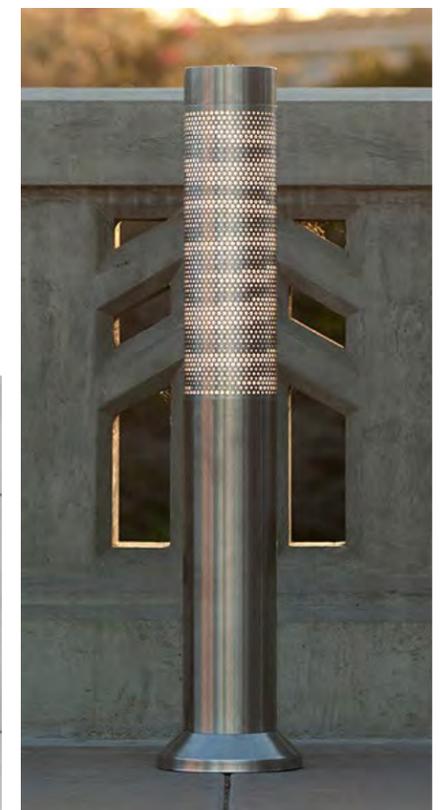
Street Furniture pg. 36

Utility..... pg. 43

Retaining Wall..... pg. 44

Landscape..... pg. 45

NOTE: Approved equal products shall match the same aesthetic, look, feel, quality, materiality, and durability of the standards specified herein.



HARDSCAPE TREATMENT | CEMENT CONCRETE SIDEWALK

1

CEMENT CONCRETE SIDEWALK GENERAL SPECIFICATIONS

- **Material:** 3,000 psi cement concrete
- **Joints:** 1/8" width x 1/2" deep sawcuts
- **Finish:** Medium Broom Finish

NOTE: Approved equal products shall match the same aesthetic, look, feel, quality, materiality, and durability of the standards specified herein. Refer to installation and/or layout details in Meeker Street Construction Standards Plans, Appendix B.

1a 4' O.C. SCORED CEMENT CONCRETE SIDEWALK

4' O.C. sidewalk scoring is *typical* at the following locations: Pathway Zone (all Streetscape Types)

- **Pattern:** 4'-0" O.C. sawcut scoring
- **Alignment:** Perpendicular to back of curb
- **Concrete Color:** Natural gray



1b 2' X 2' SCORED CEMENT CONCRETE SIDEWALK

2' x 2' sidewalk scoring is *typical* at the following locations: Walk Zones, Amenity Zones and Minor Intersections/Crossings and Significant Intersections

- **Pattern:** 2'-0" x 2'-0" grid sawcut scoring
- **Alignment:** Perpendicular and parallel to back of curb
- **Concrete Color:** Natural gray



1c 1' X 1' SCORED CEMENT CONCRETE SIDEWALK

1' x 1' sidewalk scoring is *typical* at the following locations: Buffer Zone (all Streetscape Types) and Mid-Block Crosswalks

- **Pattern:** 1'-0" x 1'-0" grid sawcut scoring
- **Alignment:** Perpendicular and parallel to back of curb
- **Concrete Color:** Natural gray



1d COLORED CEMENT CONCRETE BAND

Colored Cement Concrete Band is *typical* at the following locations: Between Pathway Zones and Amenity Zones, between Buffer Zones and Pathways, between Buffer Zones and Walk Zones, and at Minor Intersections/Crossings, and Significant Intersections

- **Width:** 1'-0"
- **Alignment:** Perpendicular and parallel to both sides of Pathway
- **Concrete Color:** "San Juan Stone" by Cadman Colormix, or approved equal



HARDSCAPE TREATMENT | PRECAST CONCRETE PAVERS

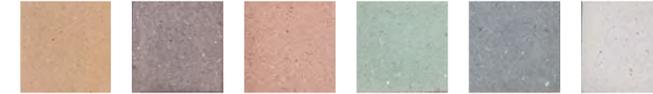
2

PRECAST CONCRETE PAVER GENERAL SPECIFICATIONS

- **Material:** 5,000 PSI precast cement concrete, Type III Cement
- **Joints:** 1/8" wide
- **Finish:** Sandblast

NOTE: Approved equal products shall match the same aesthetic, look, feel, quality, materiality, and durability of the standards specified herein. Refer to details in Meeker Street Construction Standards Plans, Appendix B.

2a SQUARE ACCENT PAVERS



Square Accent Pavers are *required* at the following locations: Minor Intersections/Crossings and Significant Intersections (see plans)

- **Manufacturer:** Stepstone Inc.
- **Model:** Pavers
- **Size:** 12" x 12" x 4" thick
- **Color (Left to Right):** Almond #1406, Espresso Brown #1808, Caramel #1810, Iceberg Green #1805, Agave #1812, Granada White #1801
- **Installation Type:** Mortar set on concrete rat slab

2c LINEAR STAMPED CONCRETE

Linear Stamped Concrete is *required* at the following locations: Connector Zones (see plans)

- **Manufacturer:** Scofield
- **Stamp Pattern:** Pine Interlocking Plank
- **Material:** 3,000 psi cement concrete
- **Stamping Tool:** Surface texture is that of lightly sandblasted pine boards. Edges are beveled along the length of each board. Ends are saw-cut. Corners are square.
- **Installation Type:** Stamped concrete
- **Size:** 6" wide x 24" long; 6" wide x 48" long; 1/8" "grout" joints
- **Concrete Color:** Natural gray



2b LINEAR ACCENT PAVER BAND



Linear Accent Pavers are *required* at the following locations: Centerline of Pathway Zone (Streetscape Type A & B) and between Walk Zone and Buffer Zone (north side of roadway and Streetscape Type C; see plans)

- **Manufacturer:** Stepstone Inc.
- **Model:** Narrow Modular Pavers
- **Size:** 3" wide x 12" long x 4" thick (double row)
- **Color (Left to Right):** Almond #1406, Espresso Brown #1808, Caramel #1810, Iceberg Green #1805, Agave #1812, Granada White #1801
- **Installation Type:** Mortar set on concrete rat slab

2d HEXAGON PAVERS

Hexagon Pavers are *required* at the following locations: Planters at Mid-Block Crosswalks, Minor Intersections/Crossings, and Significant Intersections (see plans)

- **Manufacturer:** Tectura Designs
- **Model:** P12
- **Size:** 13-9/16" wide x 2" thick hexagon
- **Color:** Shades of warm gray, light gray, light beige
- **Installation Type:** Mortar set on concrete rat slab



HARDSCAPE TREATMENT | CEMENT CONCRETE CROSSWALK

3

CEMENT CONCRETE CROSSWALK SPECIFICATIONS

Cement Concrete Crosswalks are *required* at the following locations: Mid-Block Crosswalks, Minor Intersections/Crossings, Significant Intersections

- **Material:** 5,000 psi cement concrete
- **Crosswalk Width:** 12'-0" (Mid-Block Crosswalks); 12'-0" to 14'-0" (Minor Intersections/Crossings); 14'-0" (Significant Intersections)
- **Pattern:** 1'-0" x 1'-0" grid scoring
- **Joints:** 1/8" width x 1/2" deep sawcuts
- **Finish:** Heavy Broom Finish
- **Alignment:** Perpendicular and parallel to back of curb
- **Concrete Color:** Natural standard gray
- **Crosswalk Stripe:** Thermoplastic, white



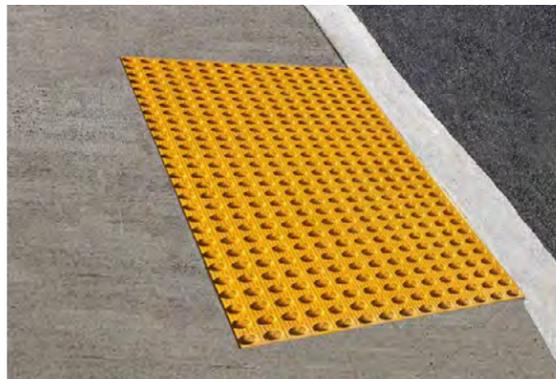
HARDSCAPE TREATMENT | ADA DETECTABLE WARNING SURFACE

4

CEMENT CONCRETE CROSSWALK SPECIFICATIONS

ADA Detectable Warning Surfaces are *required* at all crosswalk locations

- **Manufacturer:** Detectable Warning Surface (Truncated Dome) by Vanguard ADA Systems *
- **Color:** Yellow (Federal Color #33538)



NOTE: Approved equal products shall match the same aesthetic, look, feel, quality, materiality, and durability of the standards specified herein. Refer to installation and/or layout details in Meeker Street Construction Standards Plans, Appendix B.

FEATURES & SIGNAGE STANDARDS | GATEWAYS, ART & WAYFINDING

5

GATEWAYS AND PUBLIC ART FEATURE LOCATIONS

Gateways and Public Art is *required* at the following locations (per location key below):

- Center median east of Green River bridge
- Flanking on either side just east of Green River bridge
- Within right-of-way corners at Significant Intersection
- Underpass area of SR-167

Gateways and Public Art are welcoming elements that create a sense of arrival and passageway to a special place. They are located at key locations along Meeker Street.



*** NOTE:** Public art features on state routes are required follow the guidelines in WSDOT's Design Manual chapter 950. A public art plan will be required.

WAYFINDING SIGNAGE LOCATIONS

Wayfinding Signs are *required* at the following locations (per location key below):

- At all decision-making points (specific locations where users can determine which path to choose in order to reach their desired destination) along the Meeker Street corridor (all Streetscape Types)
- At all Mid-Block Crosswalks, Minor Intersections/Crossings, and Significant Intersections
- Actual final wayfinding signage locations shall be determined by City of Kent

WAYFINDING SIGNAGE

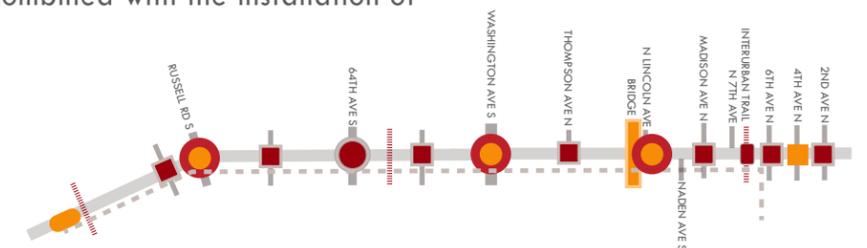
- Listed destinations for wayfinding signage to be determined by the City of Kent
- Graphic layout and designs for wayfinding signs to be determined by the City Arts Commission and Council to create a cohesive signage system for the entire corridor
- Wayfinding signage shall be combined with the installation of column accent lighting



wayfinding sign photo example

KEY

- gateway feature location
- wayfinding signage location



ILLUMINATION STANDARDS | PEDESTRIAN & STREET LIGHTING

6 7

PEDESTRIAN & STREET LIGHTING LOCATIONS

Street Lighting is **required** at the following locations:

- Buffer Zones at north and south sides of Streetscape Type A, B and C

Single Pedestrian Lighting is **required** at the following locations:

- Buffer Zones at north and south sides of Streetscape Type A, B and C

Dual Pedestrian Lighting is **required** at the following locations:

- Amenity Zones on south side at Streetscape Type A and B



PEDESTRIAN LIGHTING SPECIFICATIONS

6

- **Manufacturer:** AEC Illumination Corp.
- **Model:** Delos 1 LED
- **Pole Spacing:** 60' to 80' O.C.
- **Mounting Height:** 14', 1.5' length single arm and dual arms
- **Layout Pattern:** Staggered with roadway scale luminaires
- **Color/Finish:** Federal color "dark gray" #26008, polyester powdercoat system
- **Irrigation:** Automatic drip system for flower baskets

STREET LIGHTING SPECIFICATIONS

7

- **Manufacturer:** AEC Illumination Corp.
- **Model:** Delos 2 LED
- **Pole Spacing:** 70' to 90' O.C.
- **Mounting Height:** 30', 4' length single arm
- **Layout Pattern:** Staggered
- **Color/Finish:** Federal color "dark gray" #26008, polyester powdercoat system

NOTE: Refer to installation and/or layout details in Meeker Street Construction Standards Plans, Appendix B.

ILLUMINATION STANDARDS | ACCENT COLUMN LIGHTING

8

COLUMN LIGHTING LOCATIONS

Column Lighting is **optional** at the following locations:

- Amenity Zones at Streetscape Type A (West of SR-167), Streetscape Type B, Streetscape Type C, near Significant Intersections and near Mid-Block Crosswalks
- Corners of Minor Intersections/Crossings

COLUMN LIGHTING SPECIFICATIONS

- **Manufacturer:** Forms + Surfaces *
- **Model:** Light Column, LPLCO-612
- **Column Spacing:** 8' to 10' O.C.
- **Shield Patterns:** Huron, Willow, Vertical, Horizontal
- **Customization:** Mounting arms for directional signs
- **Installation Type:** Embed
- **Color/Finish:** Dark gray metallic texture, powdercoat system



ILLUMINATION STANDARDS | ACCENT BOLLARD LIGHTING

9

BOLLARD LIGHTING LOCATIONS

Bollard Lighting is **required** at the following locations:

- Amenity Zones near Mid-Block Crosswalks at Streetscape Type A, Streetscape Type B, Streetscape Type C; Amenity Zones near South Side Significant Intersection Corners

BOLLARD LIGHTING SPECIFICATIONS

- **Manufacturer:** Forms + Surfaces *
- **Model:** Light Column Bollard, LBLCO-504
- **Bollard Spacing:** 8' to 10' on center
- **Shield Patterns:** Kente, Perforated, Scape, Argyle
- **Installation Type:** Embed
- **Color/Finish:** Dark gray metallic texture, powdercoat system



*** NOTE:** Approved equal products shall match aesthetic look, feel, quality, materiality, and durability as standards specified herein. Refer to installation and/or layout details in Meeker Street Construction Standards Plans, Appendix B.

STREET FURNITURE STANDARDS | DECORATIVE BOLLARDS

10

DECORATIVE BOLLARD LOCATIONS

Decorative Bollards are *optional* at the following locations:

- Amenity Zones on south side at Streetscape Type A and Streetscape Type B wherever there are no streetscape elements, planters or illumination poles; 6'-0" O.C. typ.; 2'-0" min. from pathway edge

DECORATIVE BOLLARD SPECIFICATIONS

- **Concrete Manufacturer:** QCP QuickCrete Products *
- **Material:** Standard gray precast cement concrete
- **Model/Size:** Shear Q-SHR-B 36" tall x 10" wide, 193 lbs.
- **Concrete Texture:** Exposed finish surface
- **Color/Sealer:** Slate gray, clear anti-graffiti coating
- **Installation Type:** Grouted embedded breakaway anchor bolts by Dent Breakaway Industries *
-
- **Metal Manufacturer:** Fairweather Site Furnishings *
- **Material/Finish:** Schedule 40, stainless steel type 316, #4 brush finish
- **Model/Size:** B-2, flat top, 6" dia. x 36" ht.; 60" overall length, 48" steel inner core
- **Sealer:** Clear anti-graffiti coating
- **Installation Type:** Surface mount



STREET FURNITURE STANDARDS | HEAVY DUTY BOLLARD

11

HEAVY DUTY BOLLARD LOCATIONS

Heavy Duty Bollards are *required* at the following locations:

- Minor Intersections/Crossings; 6'-0" O.C. typ., 3'-0" from edge of roadway
- Significant Intersection; 6'-0" O.C. typ., 3'-0" from edge of roadway

HEAVY DUTY BOLLARD SPECIFICATIONS

- **Metal Manufacturer:** Fairweather Site Furnishings *
- **Material/Finish:** Schedule 40, stainless steel type 316, #4 brush finish
- **Model/Size:** B-2 custom semi dome top, 8" dia. x 36" tall; 60" overall length, 48" galvanized steel inner core
- **Sealer:** Clear anti-graffiti coating
- **Installation Type:** Embed mount



* **NOTE:** Approved equal products shall match aesthetic look, feel, quality, materiality, and durability as standards specified herein. Refer to installation and/or layout details in Meeker Street Construction Standards Plans, Appendix B.

STREET FURNITURE STANDARDS | STANDARD BENCHES

12

STANDARD BENCH LOCATIONS

Either option of Standard Bench can be chosen and are *required* for use in the following locations:

Standard Bench Type 1:

- Buffer and Amenity Zones at Streetscape Type A, Streetscape Type B, Streetscape Type C, Mid-Block Crosswalks, Significant Intersections, and Minor Intersections/Crossings

Standard Bench Type 2:

- Buffer and Amenity Zones west of Hwy 167 on Streetscape Type A, Streetscape Type B, Mid-Block Crosswalks, Significant Intersections, and Minor Intersections/Crossings.



BENCH TYPE 1 SPECIFICATIONS

- **Manufacturer:** Forms+Surfaces *
- **Model:** Trio, backless and backed
- **Size:** 6' lengths
- **Material:** Cast aluminum frame, aluminum slats
- **Colors:** Silver gray and titanium gray
- **Installation Type:** Surface mount

* **NOTE:** Approved equal products shall match aesthetic look, feel, quality, materiality, and durability as standards specified herein. Refer to installation and/or layout details in Meeker Street Construction Standards Plans, Appendix B.

BENCH TYPE 2 SPECIFICATIONS

- **Manufacturer:** Forms+Surfaces *
- **Model:** Balance, backless and backed
- **Size:** 6' lengths
- **Material:** Cast aluminum frame, stainless steel seats
- **Colors:** Silver gray and titanium gray
- **Installation Type:** Surface mount

STREET FURNITURE STANDARDS | MODULAR BENCHES

13

MODULAR BENCH LOCATIONS

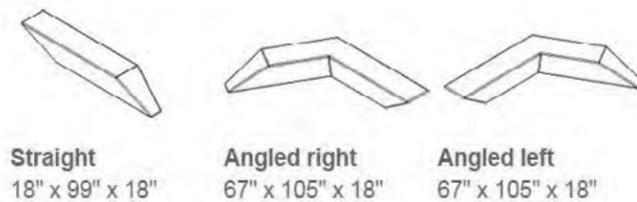
Modular Benches are *required* at the following locations:

- Buffer Zones west of Hwy 167 on Streetscape Type A, Streetscape Type B, Mid-Block Crosswalks, Significant Intersections, and Minor Intersections/Crossings.



MODULAR SEATING SPECIFICATIONS

- **Manufacturer:** Landscape Forms, Inc. *
- **Model:** Escofet Milenio
- **Size:** Various configurations
- **Material:** Reinforced cast stone
- **Color:** Standard gray with waterproof finish
- **Skate Deterrent:** FR0.5 by Barrett Robinson
- **SkateDeterrent Material & Size:** 6061-T6 aluminum, 3.75" (top) x 1.0" (face) x 2.0" wide
- **SkateDeterrent Installation Type:** Anchored with wo Smart Pins, affixed with two-part epoxy



* **NOTE:** Approved equal products shall match aesthetic look, feel, quality, materiality, and durability as standards specified herein. Refer to installation and/or layout details in Meeker Street Construction Standards Plans, Appendix B.

STREET FURNITURE STANDARDS | RECEPTACLES

14

RECEPTACLE LOCATIONS

Either option for Receptacle can be chosen and are *required* for use at the following locations:

Receptacle Type 1:

- Buffer and Amenity Zones at Streetscape Type A, Streetscape Type B, Streetscape Type C, Mid-Block Crosswalks, Significant Intersections, and Minor Intersections/Crossings

Receptacle Type 2:

- Buffer and Amenity Zones west of Hwy 167 on Streetscape Type A, Streetscape Type B, Mid-Block Crosswalks, Significant Intersections, and Minor Intersections/Crossings.



RECEPTACLE TYPE 1 SPECIFICATIONS

- **Manufacturer:** Forms+Surfaces *
- **Model:** Dispatch SLDIS-136
- **Material:** Solid cast aluminum construction
- **Description:** Hinged side-access doors, split-stream model
- **Polyethylene Liner:** 36 gal
- **Color:** Powdercoat titanium
- **Installation Type:** Surface mount

* **NOTE:** Approved equal products shall match aesthetic look, feel, quality, materiality, and durability as standards specified herein. Refer to installation and/or layout details in Meeker Street Construction Standards Plans, Appendix B.



RECEPTACLE TYPE 2 SPECIFICATIONS

- **Manufacturer:** Landscape Forms *
- **Model:** MultipliCITY, single
- **Description:** Front-deposit
- **Black Liner:** 18 gal
- **Color:** Prefinished anodized aluminum
- **Installation Type:** Embed mount

STREET FURNITURE STANDARDS | BICYCLE RACKS

15

BICYCLE RACK LOCATIONS

The either option for Bicycle Rack can be chosen and are *required* for use at the following locations:

STANDARD BICYCLE RACK

- Buffer and Amenity Zones at Streetscape Type A, Streetscape Type B and Streetscape Type C

BICYCLE RACK SPECIFICATIONS

- **Manufacturer:** Forms+Surfaces *
- **Model:** Twist
- **Material:** Solid cast aluminum frame and cover plates
- **Capacity:** 2 bikes
- **Color/Finish:** Titanium and any RAL powder coat color
- **Installation Type:** Surface mount



CUSTOM BICYCLE RACK LOCATIONS

- Amenity Clusters at Streetscape Type A (only West of SR-167) and Streetscape Type B

CUSTOM BICYCLE RACK SPECIFICATIONS

- **Manufacturer:** SportWorks *
- **Model:** No Scratch in Circular or Tofino
- **Material:** Stainless steel, santoprene TPV soft pad
- **Finish:** Bead blasted
- **Capacity:** 2 bikes
- **Installation Type:** Surface mount



* **NOTE:** Approved equal products shall match aesthetic look, feel, quality, materiality, and durability as standards specified herein. Refer to installation and/or layout details in Meeker Street Construction Standards Plans, Appendix B.

STREET FURNITURE STANDARDS | FREESTANDING PLANTER

16

FREESTANDING PLANTER LOCATIONS

Freestanding Planters are *optional* at the following locations:

- Buffer and Amenity Zones at Streetscape Type A - C (as noted), Significant Intersections and Minor Intersections/Crossings - Raised/Curbless

FREESTANDING PLANTER SPECIFICATIONS



Low Bowl Round | QR-GE2623 in Latte
Option is available for use only for Streetscape Type A, if west of Hwy 167, and Streetscape Type B



Crest Round | QR-CRE3630P in French Gray
Option is available for use for Streetscape Type A-C

- **Concrete Planter Manufacturer:** QCP QuickCrete Products *
- **Models:** Low Bowl Round, Crest Round
- **Material:** Steel reinforced precast concrete
- **Colors:** Natural, Latte, French Gray, Bungalow (colors may vary for each type)
- **Concrete Texture:** Craftsmans Etch
- **Concrete Sealer:** Standard gloss sealer per manufacturer



- **Metal Planter Manufacturer:** Tournesol Siteworks *
- **Model:** Wilshire Collection
- **Material:** Reinforced FRP fiberglass material, rectangular shapes, 1/8" - 3/16" wall thickness
- **Finish:** Metal-matched-pain (MMP) acrylic enamel finishes or metal-infused gelcoat.
- **Surface Texture:** T-1 texture
- **Sizes:** Varies, 4'-0" max width, 2'-6" max ht



- **Wood Planter Manufacturer:** Tournesol Siteworks *
- **Models:** Boulevard Planters
- **Material:** FSC certified wood cladding with FRP fiberglass liner
- **Sizes:** Varies, 4'-0" max width x 2'-6" max ht

* **NOTE:** Approved equal products shall match aesthetic look, feel, quality, materiality, and durability as standards specified herein.

STREET FURNITURE STANDARDS | GRATES

17

TREE GRATE SPECIFICATIONS

- **Manufacturer:** Iron Age Designs *
- **Model:** Divisadero, DIX72-72199TGHP
- **ADA Compliant:** Yes
- **Material:** Cast Grey Iron (ASTM A48 CL 25), raw finish
- **Spacing:** 26' O.C
- **Installation Type:** Standard or paver/adjustable with angle stock perimeter frame
- **Note:** Use of tree grates shall be reviewed and approved by City of Kent. Install per City of Kent details 6-36 and 6-55.



TRENCH DRAIN GRATE SPECIFICATIONS

- **Manufacturer:** Urban Accessories *
- **Model:** Varies
- **ADA Compliant:** Yes
- **Size:** 6"x18"
- **Material:** 100% Recycled Grey Iron (ASTM A48 class 35b), Recyclable Ductile Iron (ASTM A536, class 65-45-12)



Terrain



Variations

STREET FURNITURE STANDARDS | POLE BANNERS AND ARMS

18

STANDARD POLE BANNER SPECIFICATIONS

- **Arm Manufacturer:** BannerSaver *
- **Arm Model:** Spring-loaded Roadway Pole Banner #5388794
- **Arm Material:** Cast aluminum, fiberglass single banner arms
- **Bracket and Arm Color/Finish:** Federal color "dark gray" #26008, polyester powdercoat system
- **Banner Manufacturer:** Britten *
- **Banner Size:** 30" wide x 60" tall
- **Banner Material:** Heavy duty 18 oz. premium vinyl, double-sided, 1" webbing with hems, grommets and wind flaps
- **Banner Finish:** Matte



* **NOTE:** Approved equal products shall match aesthetic look, feel, quality, materiality, and durability as standards specified herein. Refer to installation and/or layout details in Meeker Street Construction Standards Plans, Appendix B.

UTILITY STANDARDS | DECORATIVE UTILITY COVERS

19

STANDARD MANHOLE COVER SPECIFICATIONS

- **Manufacturer:** Urban Accessories *
- **Model:** Varies
- **Size:** 24" dia
- **Material:** 100% recycled gray iron (ASTM A48 class 35b), Silicon Bronze (ASTM B26)
- **Finishes:** Hot-dipped galvanized steel, raw natural bronze finish
- **Description:** Top of manhole covers shall denote letter "S" for sewer and letter "D" for drainage



Flat Rainbow



Dandelion



Manaco

UTILITY STANDARDS | UTILITY BOXES

20

All new or relocated utility boxes shall be wrapped as specified below.

UTILITY BOX SPECIFICATIONS

- **Manufacturer:** TrafficWrapz *
- **Model:** TW 360hd
- **Description:** TW 360C-OV fil provides graffiti-proof protection for large graphics and surfaces, UV protectant, fade-resistant with AdhesiveGuard protection, 1 mil thick with permanent acrylic pressure and heat sensitive assist roll laminators.
- **Note:** Graphics for wrap shall be reviewed and approved by the City of Kent.



* **NOTE:** Approved equal products shall match aesthetic look, feel, quality, materiality, and durability as standards specified herein.

RETAINING WALL TREATMENT STANDARDS | FORMLINER PATTERNS

21



TRADITIONAL FORMLINER PATTERN**

- **Manufacturer:** AP Formliners *
- **Model:** Ledgestone Drystack #933
- **Material:** High reuse elastomeric
- **Pattern Description:** Randomly stacked ledgestone with roughed broken surface



CONTEMPORARY FORMLINER PATTERN**

- **Manufacturer:** AP Formliners *
- **Model:** Ipswich #707
- **Material:** High reuse elastomeric
- **Pattern Description:** Vertical lines with merging joints with smooth surface

**** NOTE:** Formliner patterns are specified for use on cast-in-place concrete retaining walls, installed as part of corridor improvements and which are visible to users along the street corridor.

ANTI-GRAFFITI COATING SPECIFICATIONS

- **Manufacturer:** Evonik Industries *
- **Product:** Protectosil ANTIGRAFFITI
- **Coating Description:** A waterborne breathable, clear, non-sacrificial, zero VOC, UV resistant, alkali resistant, non-yellowing, easy application, anti-graffiti treatment for use on concrete, brick, concrete masonry units and natural stone. Coating will not alter natural appearance of the substrate below.
- **Finish:** Matte

- **Manufacturer:** Sherwin Williams *
- **Product:** Anti-Graffiti Coating
- **Coating Description:** A clear, one-component, non-sacrificial, ready-to-use siloxane coating intended for use over bare concrete or previously painted concrete or steel surfaces. It cures with atmospheric moisture and offers excellent graffiti resistance and cleanability with water power-washing.
- **Finish:** Semi-gloss

*** NOTE:** Approved equal products shall match aesthetic look, feel, quality, materiality, and durability as standards specified herein.

LANDSCAPE STANDARDS | STREET TREES

22

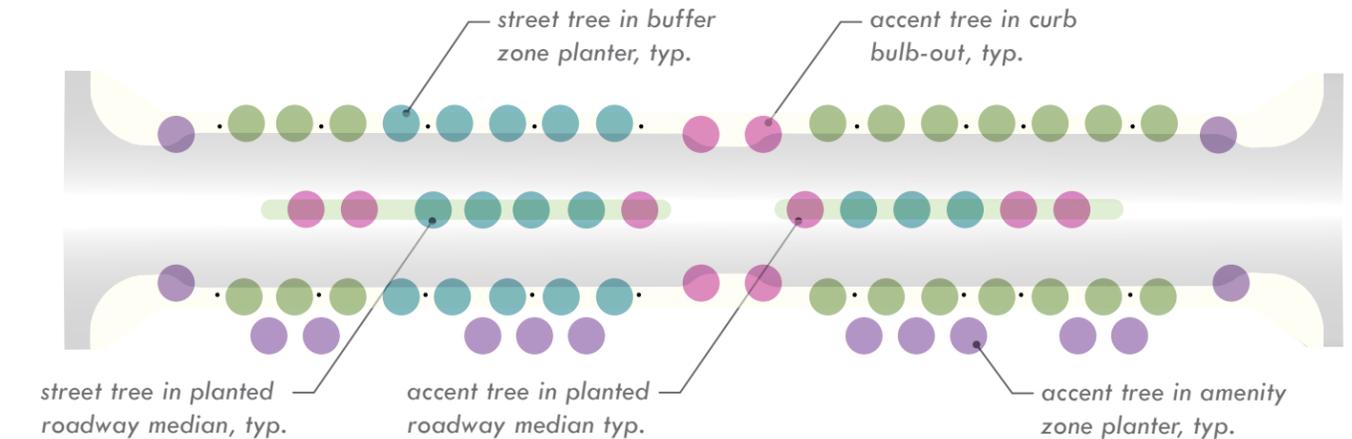
STREET TREE LOCATIONS

Street Trees are required at the following locations:

- In all Planters within Buffer Zones at Streetscape Type A, Streetscape Type B, Streetscape Type C, as well as in Planted Roadway Medians.

STREET TREE SPECIFICATIONS

- **Species:** *Nyssa sylvatica* 'Wildfire'/ Wildfire Tupelo
Ulmus propinqua 'JFS-Bieberich'/ Emerald Sunshine Elm
- **Layout:** Cluster in groups of 6-10 min. of a single species, per layout diagram below.
- **Minimum Size:** 2.5" caliper, 12'-14' height
- **Standard Spacing:** Varies based on planter spacing; 25' min.
- **Standard Offsets:** Per City of Kent Standard Plans 6-50 and 6-54
- **Planting Requirements:** Per City of Kent Standard Plan 6-55
- **Irrigation Requirements:** Fully automatic irrigation system



STREET AND ACCENT TREE LAYOUT DIAGRAM



*** NOTE:** Street Tree locations shall be determined based on required offsets from existing utilities and to meet clear and sight distance requirements per City of Kent Standard Plans for Clear Zone 6-50 and Intersection/Driveway Site Triangle 6-52 ; locations must be approved by the City of Kent prior to installation. See Appendix A, page 52, for street tree photos.

Street Trees provide shade and a sense of separation between sidewalk/pathway users and the roadway. They also help with traffic calming and intercept rainfall to slow stormwater runoff.

LANDSCAPE STANDARDS | ACCENT TREES

23

ACCENT TREE LOCATIONS

Accent Trees are *required* at the following locations:

- In all* Planters within Amenity Zones at Streetscape Type A, Streetscape Type B, Streetscape Type C, as well as in Planters at Mid-Block Crosswalks, Minor Intersections/Crossings and Significant Intersections.

ACCENT TREE SPECIFICATIONS

- **Species:** Amelanchier laevis 'JFS-Arb'/ Spring Flurry Serviceberry
Cornus kousa x nuttallii 'KN4-43'/ Starlight Dogwood
Magnolia acuminata 'Butterflies'/ Butterflies Magnolia
Stewartia pseudocamellia/ Japanese Stewartia
- **Layout:** Maximum of (2) different species per block; cluster in groups of 3-5 min. of a single species, per layout diagram on page 45.
- **Minimum Size:** 2" caliper, 10'-12' height
- **Standard Spacing:** Varies based on planter spacing; 20' min.
- **Standard Offsets:** Per City of Kent Standard Plans 6-50 and 6-54.
- **Planting Requirements:** Per City of Kent Standard Plan 6-55.
- **Irrigation Requirements:** Fully automatic irrigation system



*** NOTE:** Accent Tree locations shall be determined based on required offsets from existing utilities and to meet sight distance requirements at driveways and intersections; locations must be approved by the City of Kent prior to installation. See Appendix A, page 53, for accent tree photos.

Accent trees add visual variety to the streetscape and highlight special locations. They provide seasonal interest with flowers in the spring or summer and colorful foliage in the fall.

LANDSCAPE STANDARDS | PLANTERS

24

PLANTER LOCATIONS

Planters are *required* at the following locations:

- Within Buffer Zones and Amenity Zones at Streetscape Type A, Streetscape Type B, Streetscape Type C, as well as in Planted Roadway Medians and within curb bulb-outs at Mid-Block Crosswalks, Minor Intersections/Crossings, and Significant Intersections.

PLANTER SPECIFICATIONS

- **Description:** Planters shall include an even mix of shrubs, grasses, groundcovers and perennials. Plants selected from the list on page 56 shall be those appropriate for light conditions in the planter's location, and shall include a variety of deciduous and evergreen species.
- **Size:** Min. 20'-0" X 4'-0" for Planters within Buffer Zones and Amenity Zones; min. 120 SF for Planters within curb bulb-outs at Mid-Block Crossings and intersections.
- **Standard Spacing:** Planters within Amenity Zone shall be spaced between required amenity zone elements (see page 26); Planters within Buffer Zone shall be spaced based on roadway, on-street parking and luminaire layout*.
- **Soil Amendment Requirements:** Min. 24" depth topsoil and 2" depth bark mulch.
- **Recommended Species:** See plant schedule, page 48.
- **Irrigation Requirements:** Fully automatic irrigation system



*** NOTE:** All Planter locations shall be determined based on roadway layout and sight distance requirements; planting plans to be approved by the City of Kent prior to installation.

Planters soften the streetscape, provide a buffer between sidewalk/pathway users and the roadway, and slow stormwater runoff. They provide seasonal interest with a mix of deciduous and evergreen shrubs, grasses, groundcovers and perennials.

LANDSCAPE STANDARDS | PLANTERS

SHRUBS	SUN	PART SHADE	SHADE	DROUGHT-TOLERANT	EVERGREEN	HT*	SP*	Other Varieties
Berberis thunbergii 'Concorde' / Concorde Japanese Barberry	•	•		•		2'	2'	'Goruzam'
Calluna vulgaris 'Aphrodite' / Aphrodite Scotch Heather	•			•	•	1.5'	2'	'Athene'
Daphne x transatlantica 'Blafra' / Eternal Fragrance Daphne	•	•		•	•	2.5'	2.5'	D. 'Carol Mackie'
Escallonia 'Newport Dwarf' / Newport Dwarf Escallonia	•	•		•	•	3'	3'	'Compakta'
Fothergilla gardenii 'Blue Mist' / Blue Mist Dwarf Fothergilla	•	•				3'	3'	
Hebe pinguifolia 'Sutherlandii' / Sutherland Hebe	•			•	•	1.5'	2'	'Western Hills'
Kalmia latifolia 'Elf' / Elf Dwarf Mountain Laurel		•	•	•		3'	3'	'Minuet'
Lavandula angustifolia 'Hidcote' / Hidcote English Lavender	•			•	•	2'	2'	'Twickle Purple'
Rhododendron 'Nancy Evans' / Nancy Evans Rhododendron	•	•		•		3'	3'	'Percy Wiseman'
Sarcococca hookeriana var. humilis / Dwarf Sweetbox		•	•	•	•	2'	4'	
Spiraea japonica 'Galen' / Double Play Artist Spirea	•					2.5'	3'	'Goldmound'
Vaccinium moupinense / Himalayan Blueberry	•			•	•	1.5'	1.5'	
GRASSES	SUN	PART SHADE	SHADE	DROUGHT-TOLERANT	EVERGREEN	HT*	SP*	Other Varieties
Acorus gramineus 'Ogon' / Golden Variegated Sweet Flag		•	•	•		1'	.5'	'Oborozuki'
Carex testacea / Orange New Zealand Sedge	•	•		•		1.5'	1.5'	
Festuca amethystina 'Superba' / Purple Tufted Fescue	•	•		•	•	1.5'	1.5'	
Hakonechloa macra 'Beni Kaze' / Beni Kaze Japanese Forest Grass		•	•			1.5'	2'	'All Gold'
Sesleria autumnalis / Autumn Moor Grass				•	•	1.5'	1.5'	
GROUNDCOVERS	SUN	PART SHADE	SHADE	DROUGHT-TOLERANT	EVERGREEN	HT*	SP*	Other Varieties
Asarum caudatum / Western Wild Ginger		•	•	•		.5'	2'	
Epimedium x perralchicum 'Frohnleiten' / Hybrid Epimedium		•	•	•	•	1'	3'	E. x 'rubrum'
Geum 'Flames of Passion' / Flames of Passion Avens	•	•		•	•	1'	2'	'Mango Lassi'
Helianthemum nummularium 'Fire Dragon' / Fire Dragon Sunrose	•			•	•	1'	2'	'Wisley Pink'
Sedum spurium 'John Creech' / John Creech Stonecrop	•	•		•	•	.5'	1.5'	'Dragon's Blood'
Veronica 'Waterperry Blue' / Waterperry Blue Speedwell	•	•		•		.5'	1.5'	'Georgia Blue'
PERENNIALS	SUN	PART SHADE	SHADE	DROUGHT-TOLERANT	EVERGREEN	HT*	SP*	Other Varieties
Achillea millefolium 'Walther Funcke' / Walther Funcke Yarrow	•			•	•	2'	2'	'Appleblossom'
Armeria maritima / Sea Thrift	•	•		•	•	.5'	1'	'Rubrifolia'
Hemerocallis 'Purple d'Oro' / Purple d'Oro Daylily	•	•				1.5'	2'	'Ruby Stella'
Polystichum polyblepharum / Tassel Fern		•	•	•		2'	2'	

- SUN
- PART SHADE
- SHADE
- DROUGHT-TOLERANT
- EVERGREEN
- PLANT HEIGHT (FT.)*
- PLANT SPREAD (FT.)

*** NOTE:** Plants within the ROW shall not exceed 36" mature height; planting plans to be approved by the City of Kent prior to installation. See Appendix A, page 52, for plant photos.

LANDSCAPE STANDARDS | PLANTED ROADWAY MEDIAN

PLANTED ROADWAY MEDIAN LOCATIONS

Planted Roadway Medians are **required** within roadway medians.

PLANTED ROADWAY MEDIAN SPECIFICATIONS

- **Tree Layout:** Street Trees shall be planted in groups of 3-5 min. and spaced per requirements on page 45; Accent Trees shall be planted in groups of 2-3 at median ends and mid-block crosswalk locations and spaced per requirements on page 46. All trees shall be located along the centerline of the median and adjusted based on sight distance requirements and existing utilities. See layout diagram on page 45*.
- **Soil Amendment Requirements:** Min. 36" depth topsoil and 2" depth bark mulch.
- **Recommended Plant Species:** See plant schedule, page 48.
- **Irrigation Requirements:** Fully automatic irrigation system

ROADWAY MEDIAN STAMPED CONCRETE SPECIFICATIONS

Stamped Concrete is **required** at the nose ends of roadway medians

- **Manufacturer:** Scofield
- **Stamp Pattern:** Pine Interlocking Plank
- **Material:** Cement concrete
- **Stamping Tool:** Surface texture is that of lightly sandblasted pine boards. Edges are beveled along the length of each board. Ends are saw-cut. Corners are square.
- **Installation Type:** Stamped concrete
- **Size:** 6" wide x 24" long; 6" wide x 48" long; 1/8" "grout" joints
- **Concrete Color:** Natural gray



*** NOTE:** Tree locations and planting plans to be approved by the City of Kent prior to installation. Refer to details in Meeker Street Construction Standards Plans, Appendix B.

Planted Roadway Medians provide traffic calming by visually narrowing the roadway and enhance the streetscape aesthetic. They also reduce the amount of impervious surface on the roadway.



LOW-IMPACT DEVELOPMENT LOCATIONS

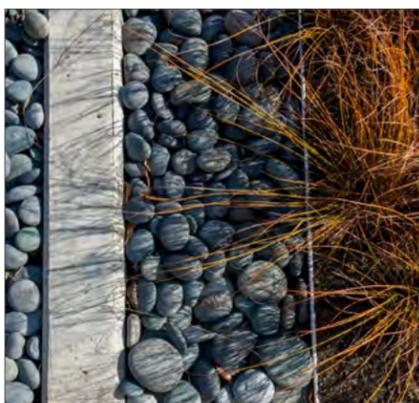
Rain Gardens are optional* at the following locations:

- At Planters within Buffer Zones at Streetscape Type A, Streetscape Type B, Streetscape Type C, Streetscape Type D, Streetscape Type E, and Streetscape Type F, as well as in Planters at Mid-Block Crossings, Minor Intersections/Crossings and Significant Intersections.

SHRUBS	SUN	PART SHADE	SHADE	EVERGREEN	1	2	HT'	SP'
Cornus stolonifera 'Kelsey' / Dwarf Red-Twig Dogwood	•	•			•	•	2'	2'
Rhododendron 'Purple Gem' / Purple Gem Rhododendron	•	•	•	•		•	3'	3'
Spiraea betulifolia 'Tor' / Tor Birchleaf Spirea	•	•				•	3'	3'
GRASSES	SUN	PART SHADE	SHADE	EVERGREEN	1	2	HT'	SP'
Carex elata 'Bowles Golden' / Bowles Golden Sedge	•	•		•	•	•	1.5'	1.5'
Juncus ensifolius / Dagger-Leaf Rush	•	•			•		1'	1'
Juncus tenuis 'Blue Dart' / Blue Dart Rush	•	•		•	•		1.5'	1.5'
PERENNIALS	SUN	PART SHADE	SHADE	EVERGREEN	1	2	HT'	SP'
Iris douglasiana / Douglas Iris	•	•			•	•	1.5'	1.5'
Polystichum munitum / Sword Fern	•	•	•	•		•	2'	2'
Sisyrinchium californicum / Yellow-Eyed Grass	•	•		•	•	•	1'	1'



- SUN
- PART SHADE
- SHADE
- EVERGREEN
- 1** SUITABLE FOR RAINGARDEN PONDING AREA
- 2** SUITABLE FOR RAINGARDEN SIDE SLOPES
- HT'** PLANT HEIGHT (FT.)*
- SP'** PLANT SPREAD (FT.)



***NOTE:** Rain Garden feasibility and potential locations shall be determined based on analysis by a stormwater engineer; locations must be approved by the City of Kent prior to installation. Plants within the ROW shall not exceed 36" mature height; planting plans to be approved by the City of Kent prior to installation. See Appendix A, page 52, for plant photos.

Rain Gardens capture stormwater runoff from hard surfaces and release it slowly into the ground or back into the stormwater system. They are planted with wetland species that filter the runoff and can tolerate periodic flooding.

{ MEEKER STREET } > APPENDICES

APPENDICES

Appendix A - Plant Photospg. 52
 Appendix B - Meeker Street Construction Standards pg. 57

APPENDIX A: PLANT PHOTOS - STREET TREES



Nyssa sylvatica 'Wildfire'/
Wildfire Tupelo

Ulmus propinqua 'JFS-Bieberich'/
Emerald Sunshine Elm

APPENDIX A: PLANT PHOTOS - ACCENT TREES



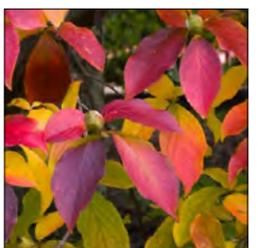
Amelanchier laevis 'JFS-Arb'/
Spring Flurry Serviceberry



Cornus kousa x *nuttallii* 'KN4-43'/
Starlight Dogwood



Magnolia acuminata 'Butterflies'/
Butterflies Magnolia



Stewartia pseudocamellia/
Japanese Stewartia

APPENDIX A: PLANT PHOTOS - SHRUBS & GROUNDCOVERS



Berberis thunbergii 'Concorde'/
Concorde Japanese Barberry



Calluna vulgaris 'Aphrodite'/
Aphrodite Scotch Heather



Daphne x transatlantica 'Blafra'/
Eternal Fragrance Daphne



Escallonia 'Newport Dwarf'/
Newport Dwarf Escallonia



Fothergilla gardenii 'Blue Mist'/
Blue Mist Dwarf Fothergilla



Hebe pinguifolia 'Sutherlandii'/
Sutherland Hebe



Kalmia latifolia 'Elf'/
Elf Dwarf Mountain Laurel



Lavandula angustifolia 'Hidcote'/
Hidcote English Lavender



Rhododendron 'Nancy Evans'/
Nancy Evans Rhododendron



Sarcococca hookeriana var. *humilis*/
Dwarf Sweetbox



Spiraea japonica 'Galen'/
Double Play Artist Spirea



Vaccinium moupinense/
Himalayan Blueberry



Acorus gramineus 'Ogon'/
Golden Variegated Sweet Flag



Carex testacea/
Orange New Zealand Sedge



Festuca amethystina 'Superba'/
Purple Tufted Fescue

APPENDIX A: PLANT PHOTOS - SHRUBS & GROUNDCOVERS



Hakonechloa macra 'Beni Kaze'/
Beni Kaze Japanese Forest Grass



Sesleria autumnalis/
Autumn Moor Grass



Asarum caudatum/
Western Wild Ginger



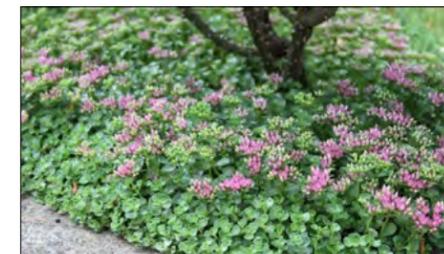
Epimedium x perralchicum 'Frohneiten'/
Hybrid Epimedium



Geum 'Flames of Passion'/
Flames of Passion Avenas



Helianthemum nummularium 'Fire Dragon'/
Fire Dragon Sunrose



Sedum spurium 'John Creech'/
John Creech Stonecrop



Veronica 'Waterperry Blue'/
Waterperry Blue Speedwell



Achillea millefolium 'Walther Funcke'/
Walther Funcke Yarrow



Armeria maritima/
Sea Thrift



Hemerocallis 'Purple d'Oro'/
Purple d'Oro Daylily



Polystichum polyblepharum/
Tassel Fern

APPENDIX A: PLANT PHOTOS - RAINGARDEN PLANTS



Cornus stolonifera 'Kelsey'/
Dwarf Red-Twig Dogwood



Spiraea betulifolia 'Tor'/
Tor Birchleaf Spirea



Rhododendron 'Purple Gem'/
Purple Gem Rhododendron



Carex elata 'Bowles Golden'/
Bowles Golden Sedge



Juncus ensifolius/
Dagger-Leaf Rush



Juncus tenuis 'Blue Dart'/
Blue Dart Rush



Iris douglasiana/
Douglas Iris



Polystichum munitum/
Sword Fern



Sisyrinchium californicum/
Yellow-Eyed Grass

APPENDIX B: MEEKER STREET CONSTRUCTION STANDARD DETAILS

Street Furniture

Bench Type 1	7-1
Bench Type 2	7-2
Modular Bench.....	7-3
Bicycle Rack Type 1	7-4
Bicycle Rack Type 2.....	7-5
Litter Receptacle Type 1	7-6
Litter Receptacle Type 2.....	7-7
Metal Bollard	7-8
Concrete Bollard	7-9
Heavy Duty Metal Bollard	7-10

Sidewalk

Minor Raised Intersection Corner Layout Detail	7-11
Significant Intersection Corner Layout Detail.....	7-12
Streetscape Type A & B South Side Typical Sidewalk Layout Detail.....	7-13
Streetscape Type C & North Side Typical Sidewalk Layout Detail	7-14
Sidewalk and Raised Mid-Block Crosswalk Detail	7-15
Linear Accent Paver Band & Square Accent Paver Installation Detail	7-16
Hexagon Paver Installation Detail.....	7-17
Colored Cement Concrete Band Detail	7-18
Score Joint Detail.....	7-19

Crosswalk

Significant Intersection and Crosswalk Layout Detail	7-20
Minor Raised Intersection and Crosswalk Layout Detail	7-21
Raised Mid-Block Crosswalk Layout Detail	7-22

Illumination

Single Pedestrian Luminaire and Pole	7-23
Dual Pedestrian Luminaire and Pole.....	7-24
Street Luminaire and Pole.....	7-25
Banner and Arms on Roadway Poles	7-26
Accent Column Lighting	7-27
Accent Bollard Lighting	7-28
Receptacle Outlet at Planters	7-29

Irrigation

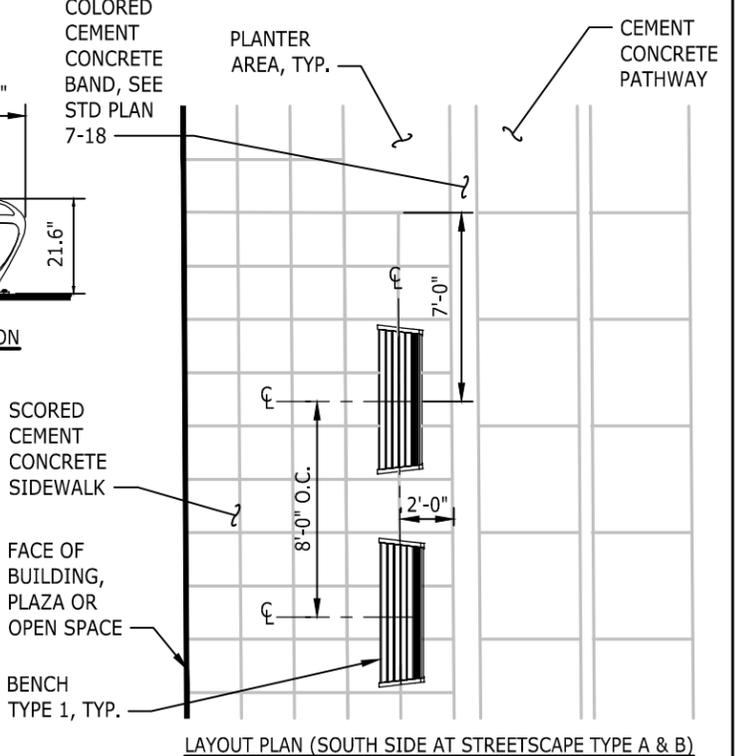
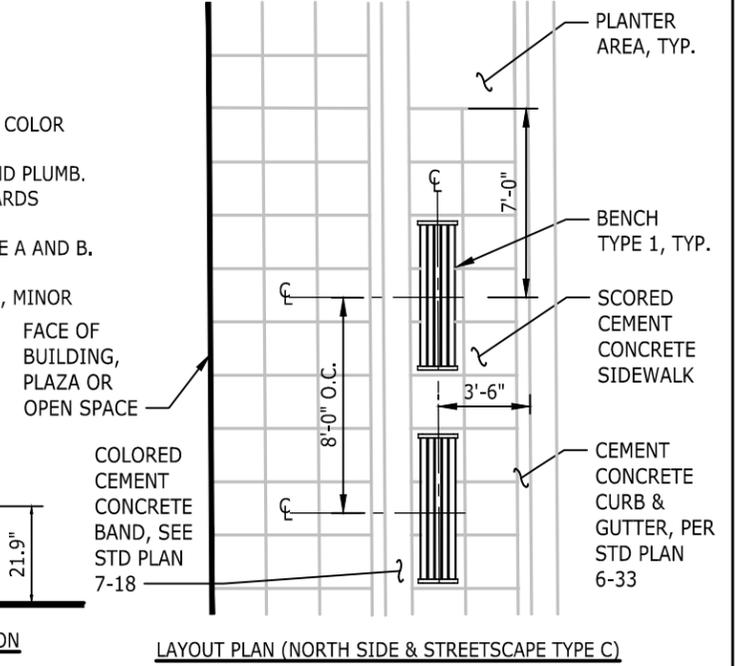
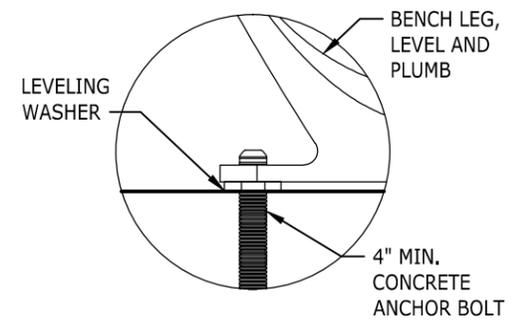
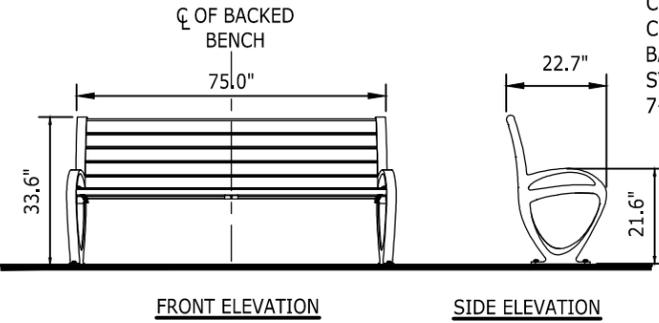
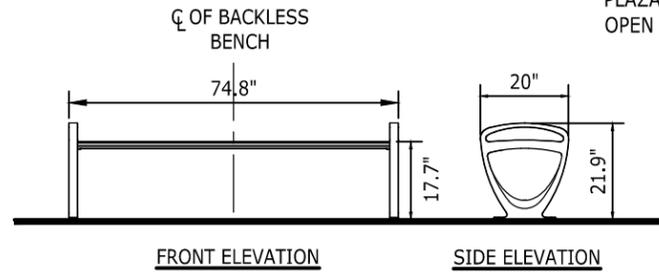
Flower Basket Irrigation Luminaire Pole Connection.....	7-30
Flower Basket Valve Access Box	7-31

Median

Center Median Tree Planting	7-32
Center Median Stamped Concrete Layout.....	7-33

NOTES:

1. BENCH TYPE 1 SHALL BE BACKLESS AND BACKED "TRIO" BY FORMS+SURFACES, OR APPROVED EQUAL.
2. BENCH TYPE 1 SHALL BE "SILVER GRAY" AND "TITANIUM GRAY" COLOR CAST ALUMINUM FRAME, ALUMINUM SLATS.
3. BENCH TYPE 1 SHALL BE INSTALLED SURFACE MOUNT, LEVEL AND PLUMB.
4. BACKS OF BACKED BENCH TYPE 1 SHOULD BE INSTALLED TOWARDS ROADWAY CURB SIDE.
5. APPLIES TO BUFFER AND AMENITY ZONES AT STREETScape TYPE A AND B.
6. APPLIES TO BUFFER ZONES AT STREETScape TYPE C.
7. APPLIES TO BUFFER ZONES NEAR SIGNIFICANT INTERSECTIONS, MINOR INTERSECTIONS/CROSSINGS, AND MID-BLOCK CROSSINGS.

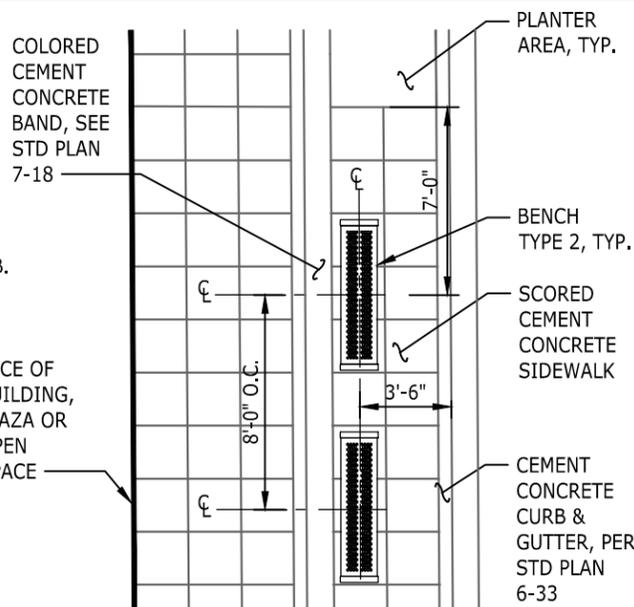
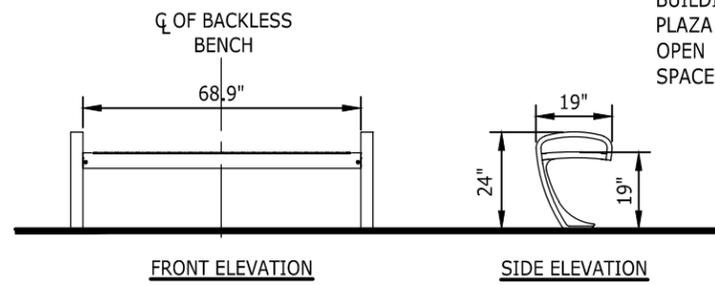


NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION IS KEPT ON FILE AT THE CITY OF KENT. A COPY MAY BE OBTAINED UPON REQUEST.

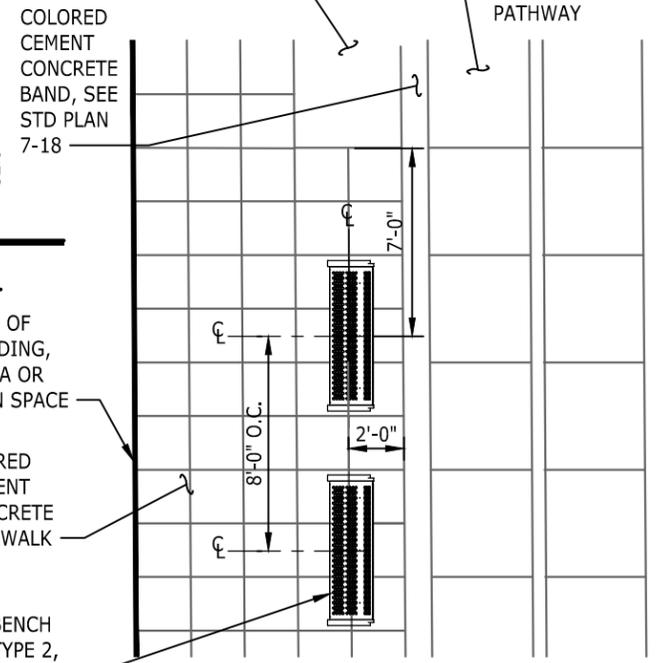
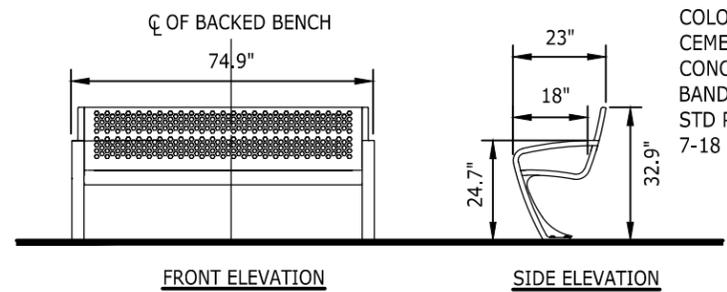
		CITY OF KENT ENGINEERING DEPARTMENT	
		MEEKER STREET BENCH TYPE 1	
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN	
DRAWN: XXX	DATE: -	7-1	
CHECKED: XXX	ENGINEER		
APPROVED:			

NOTES:

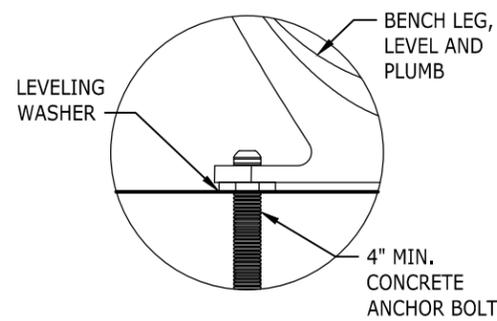
1. BENCH TYPE 2 SHALL BE BACKED AND BACKLESS "BALANCE" BY FORMS+SURFACES, OR APPROVED EQUAL.
2. BENCH TYPE 2 SHALL BE "SILVER GRAY" AND "TITANIUM GRAY" CAST ALUMINUM FRAME, ALUMINUM SLATS.
3. BENCH TYPE 2 SHALL BE INSTALLED SURFACE MOUNT.
4. BACKS OF BACKED BENCH TYPE 1 SHOULD BE INSTALLED TOWARDS ROADWAY CURB SIDE.
5. APPLIES TO BUFFER AND AMENITY ZONES AT STREETSCAPE TYPE A AND B.
6. APPLIES TO BUFFER ZONES AT STREETSCAPE TYPE C.
7. APPLIES TO BUFFER ZONES NEAR SIGNIFICANT INTERSECTIONS, MINOR INTERSECTIONS/CROSSINGS, AND MID-BLOCK CROSSINGS.



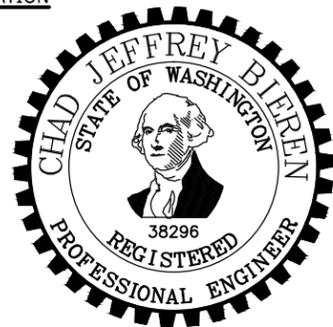
LAYOUT PLAN (NORTH SIDE & STREETSCAPE TYPE C)



LAYOUT PLAN (SOUTH SIDE AT STREETSCAPE TYPE A & B)



SURFACE MOUNT INSTALLATION

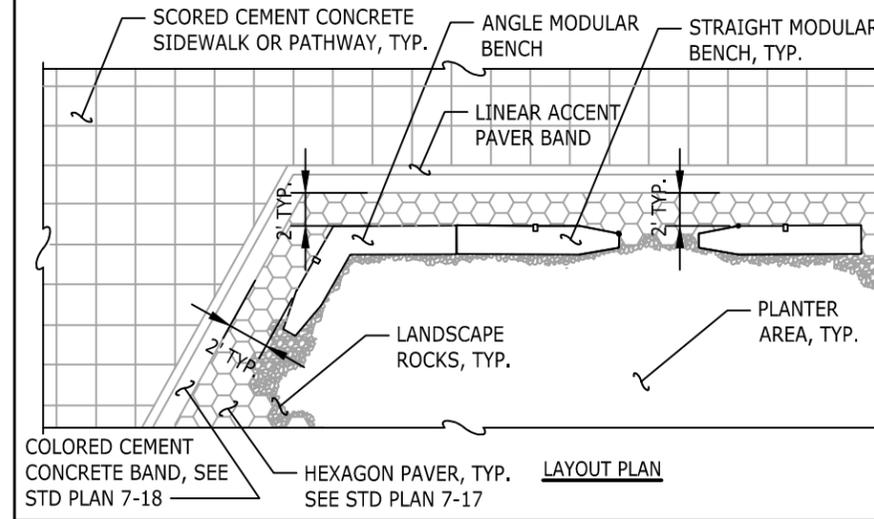


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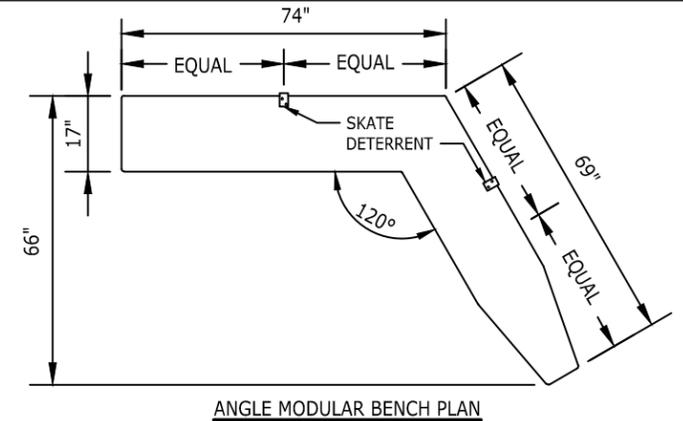
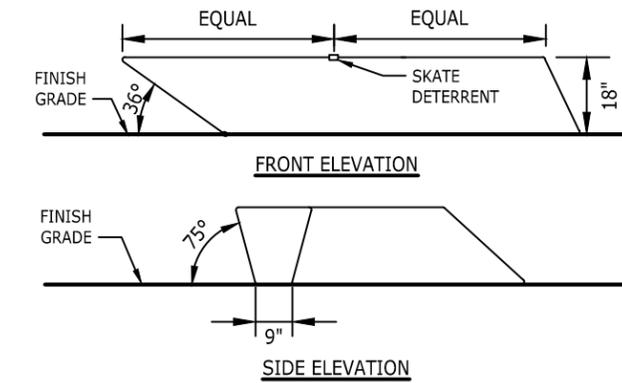
CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET BENCH TYPE 2		
DESIGNED XXX	SCALE NONE	STANDARD PLAN
DRAWN XXX	DATE -	
CHECKED XXX		
APPROVED	ENGINEER	7-2

NOTES:

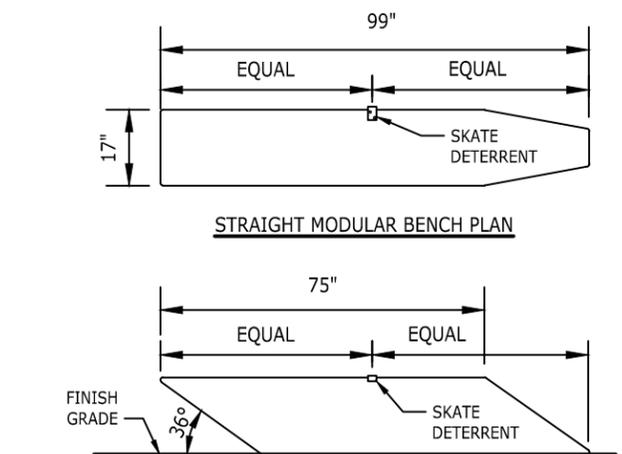
1. MODULAR BENCH SHALL BE "ESCOFET MILENIO" BY LANDSCAPE FORMS, OR APPROVED EQUAL.
2. MODULAR BENCH SHALL BE REINFORCED "STANDARD GRAY" CAST STONE WITH WATERPROOF FINISH.
3. MODULAR BENCH SHALL BE INSTALLED FREESTANDING, LEVEL AND PLUMB.
4. SKATE DETERRENT SHALL BE FRO.5 BY BARRETT ROBINSON IN 6061-T6 ALUMINUM, OR APPROVED EQUAL.
5. LANDSCAPE ROCKS SHALL BE 1 TO 2 INCH ROUND SMOOTH STONES IN MEDIUM GRAY TO DARK GREY COLOR.
6. TOP OF BENCH FOUNDATION TO MATCH CROSS AND LONGITUDINAL SLOPE OF HEXAGON PAVERS.
7. APPLIES TO BUFFER ZONES NEAR SIGNIFICANT INTERSECTIONS, MINOR INTERSECTIONS/CROSSINGS, AND MID-BLOCK CROSSINGS.



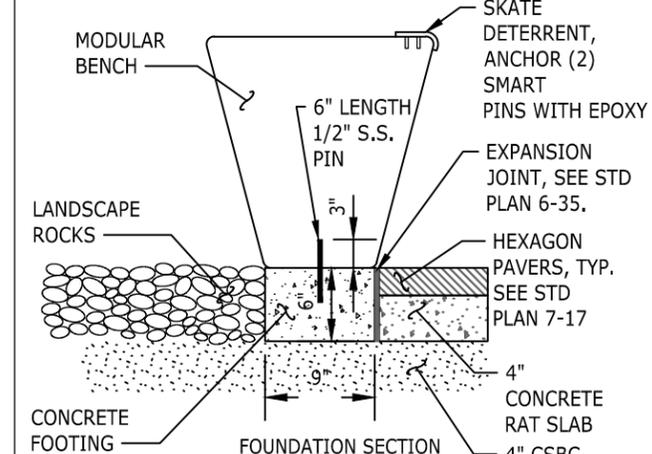
LAYOUT PLAN



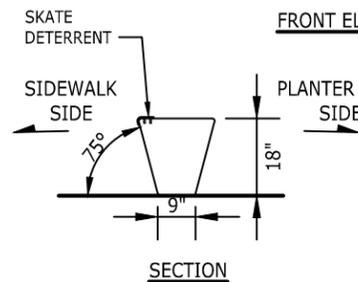
ANGLE MODULAR BENCH PLAN



STRAIGHT MODULAR BENCH PLAN



FOUNDATION SECTION



SECTION

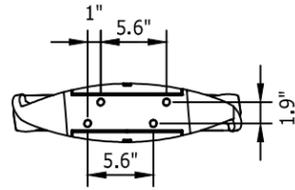


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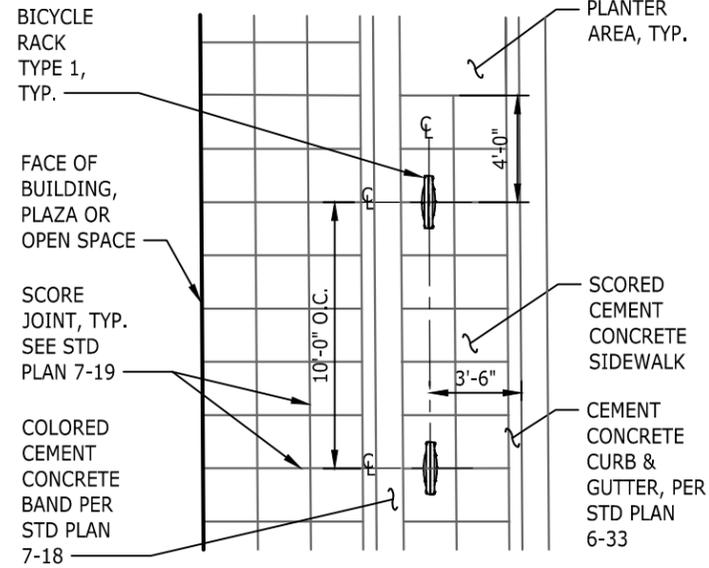
CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET MODULAR BENCH		
DESIGNED XXX	SCALE NONE	STANDARD PLAN
DRAWN XXX	DATE -	
CHECKED XXX		
APPROVED	ENGINEER	7-3

NOTES:

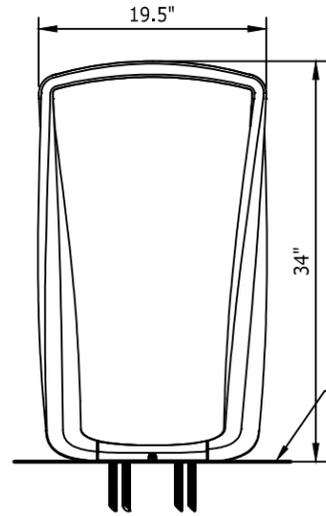
1. BICYCLE RACK TYPE 1 SHALL BE "TWIST" MULTI-RACK FROM FORMS AND SURFACE, OR APPROVED EQUAL.
2. BICYCLE RACKS SHALL HAVE TITANIUM AND ANY RAL POWDER COAT COLOR.
3. INSTALL BICYCLE RACK TYPE 1 EMBED MOUNT, LEVEL AND PLUMB ACCORDING TO MANUFACTURER'S RECOMMENDED METHOD AND HARDWARE.
4. APPLIES TO BUFFER ZONES AT STREETScape TYPE C.
5. APPLIES TO BUFFER AND AMENITY ZONES AT STREETScape TYPES A AND B.
6. APPLIES TO BUFFER ZONES NEAR SIGNIFICANT INTERSECTIONS, MINOR INTERSECTIONS/CROSSINGS, AND MID-BLOCK CROSSINGS.



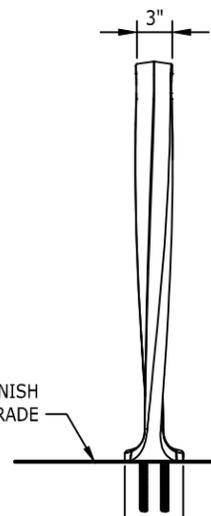
BOTTOM VIEW OF EMBED MOUNT



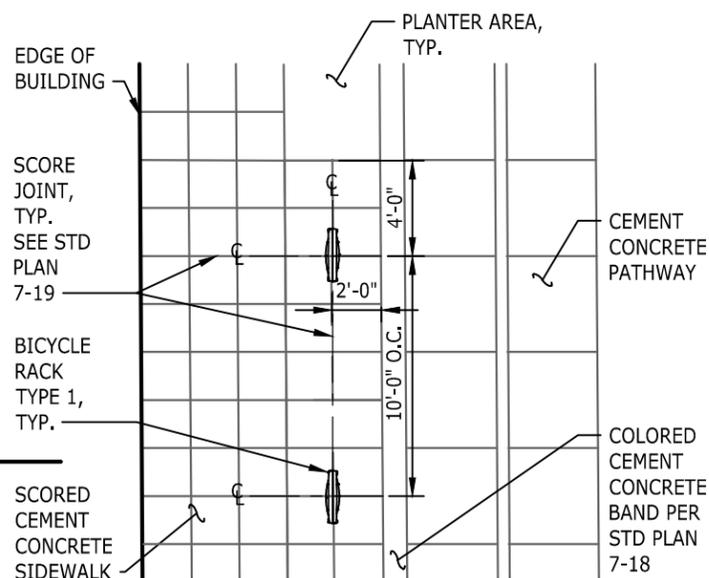
LAYOUT PLAN (NORTH SIDE & STREETScape TYPE C)



FRONT ELEVATION



SIDE ELEVATION



LAYOUT PLAN (SOUTH SIDE AT STREETScape TYPE A & B)

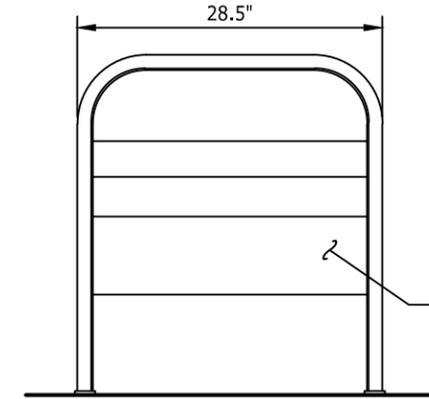


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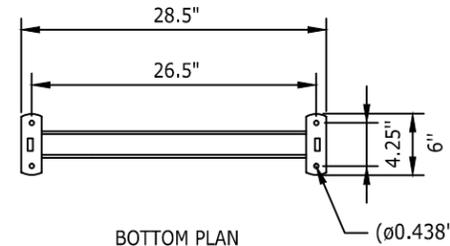
CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET BICYCLE RACK TYPE 1		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	7-4
CHECKED: XXX	ENGINEER	
APPROVED _____		

NOTES:

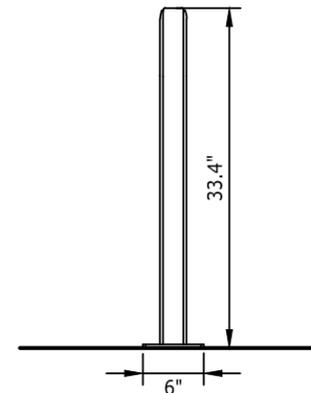
1. BICYCLE RACK TYPE 2 SHALL BE "NO SCRATCH" IN CIRCULAR OR TOFINO MULTI-RACK FROM SPORT WORKS, OR APPROVED EQUAL.
2. BICYCLE RACKS SHALL HAVE BEAD BLASTED FINISH.
3. INSTALL BICYCLE RACK SURFACE MOUNT, LEVEL AND PLUMB ACCORDING TO MANUFACTURER'S RECOMMENDED METHOD AND HARDWARE.
4. APPLIES TO BUFFER ZONES AT STREETScape TYPE C.
5. APPLIES TO BUFFER AND AMENITY ZONES AT STREETScape TYPES A AND B.
6. APPLIES TO BUFFER ZONES NEAR SIGNIFICANT INTERSECTIONS, MINOR INTERSECTIONS/CROSSINGS, AND MID-BLOCK CROSSINGS.



FRONT ELEVATION



BOTTOM PLAN

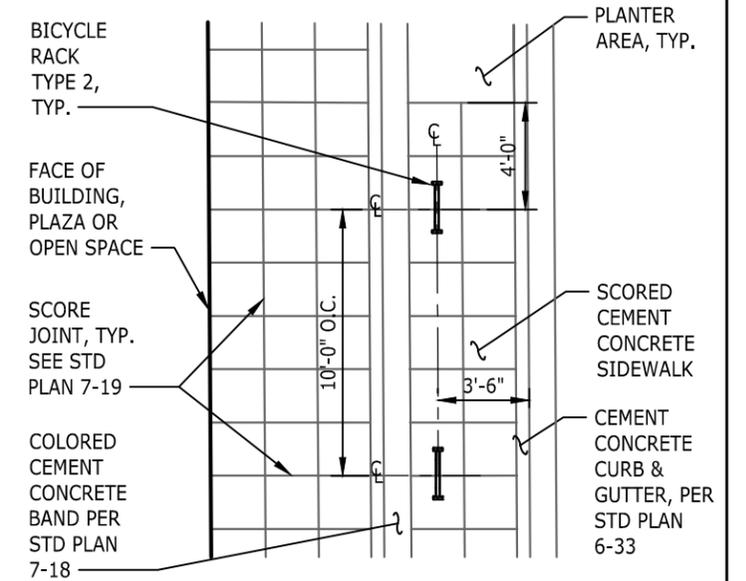


SIDE ELEVATION

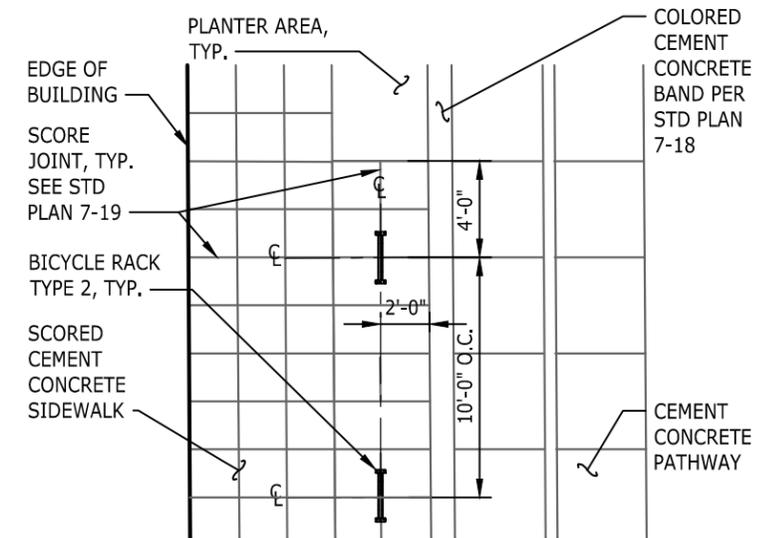


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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET BICYCLE RACK TYPE 2		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	7-5
CHECKED: XXX	ENGINEER	
APPROVED _____		



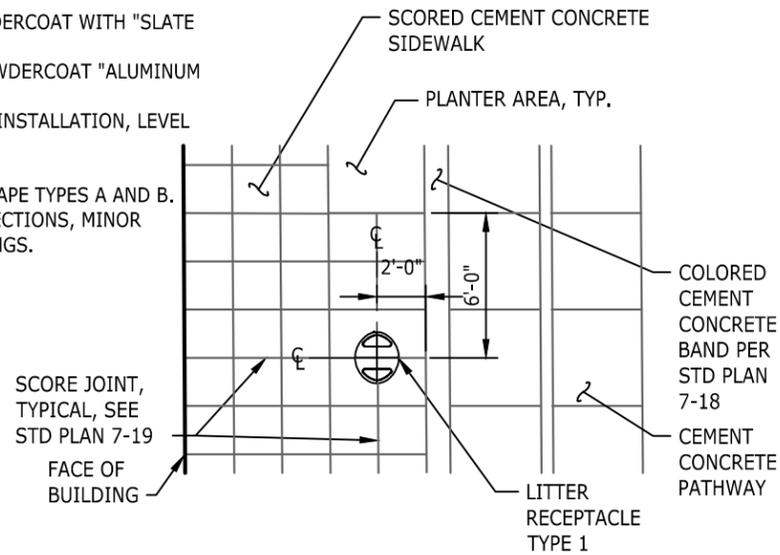
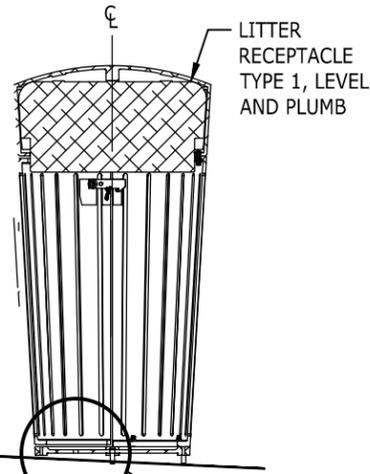
LAYOUT PLAN (NORTH SIDE & STREETScape TYPE C)



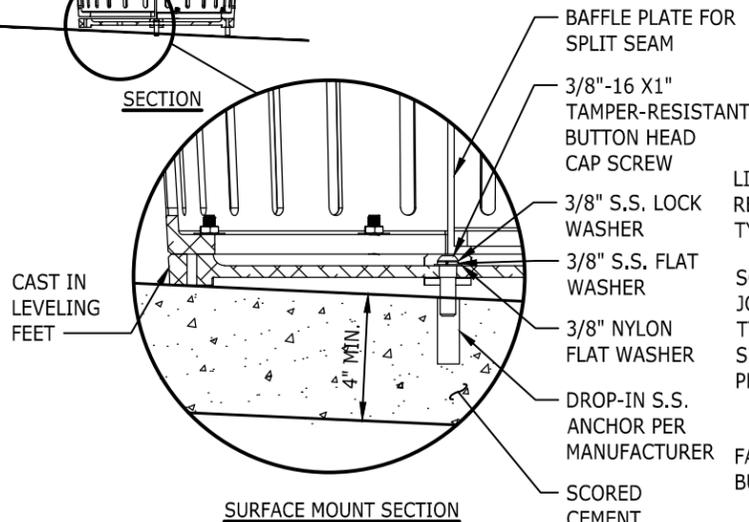
LAYOUT PLAN (SOUTH SIDE AT STREETScape TYPE A & B)

NOTES:

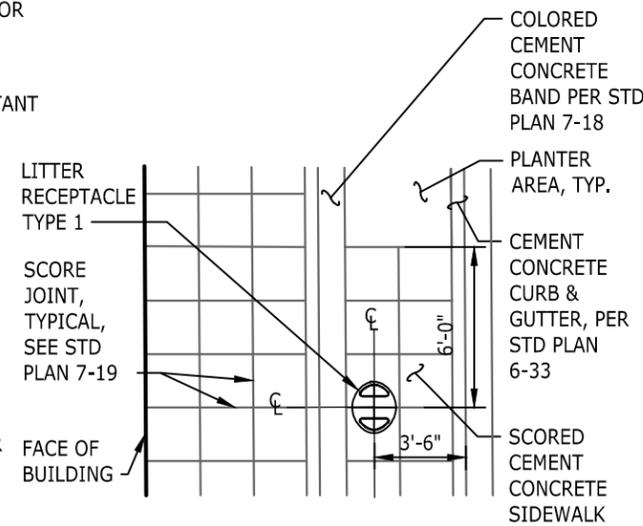
1. LITTER RECEPTACLE TYPE 1 SHALL BE "DISPATCH", 36 GALLON MANUFACTURED BY FORMS + SURFACES, OR APPROVED EQUAL.
2. LID COLOR SHALL BE MANUFACTURER POLYESTER POWDERCOAT WITH "SLATE TEXTURE".
3. BODY COLOR SHALL BE MANUFACTURER POLYESTER POWDERCOAT "ALUMINUM TEXTURE" WITH ANTI-GRAFFITI COATING.
4. LITTER RECEPTACLE TYPE 1 SHALL BE SURFACE MOUNT INSTALLATION, LEVEL AND PLUMB.
5. APPLIES TO BUFFER ZONES AT STREETScape TYPE C.
6. APPLIES TO BUFFER AND AMENITY ZONES AT STREETScape TYPES A AND B.
7. APPLIES TO BUFFER ZONES NEAR SIGNIFICANT INTERSECTIONS, MINOR INTERSECTIONS/CROSSINGS, AND MID-BLOCK CROSSINGS.



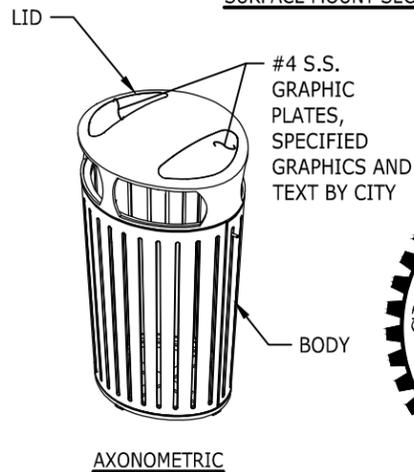
LAYOUT PLAN (SOUTH SIDE AT STREETScape TYPE A & B)



SURFACE MOUNT SECTION



LAYOUT PLAN (NORTH SIDE & STREETScape TYPE C)



AXONOMETRIC

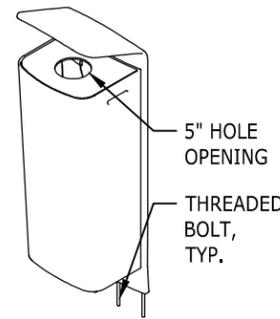


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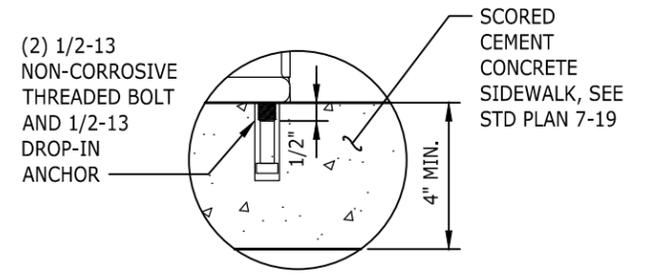
CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER ST LITTER RECEPTACLE TYPE 1		
DESIGNED XXX	SCALE NONE	STANDARD PLAN
DRAWN XXX	DATE -	
CHECKED XXX		
APPROVED _____	ENGINEER	7-6

NOTES:

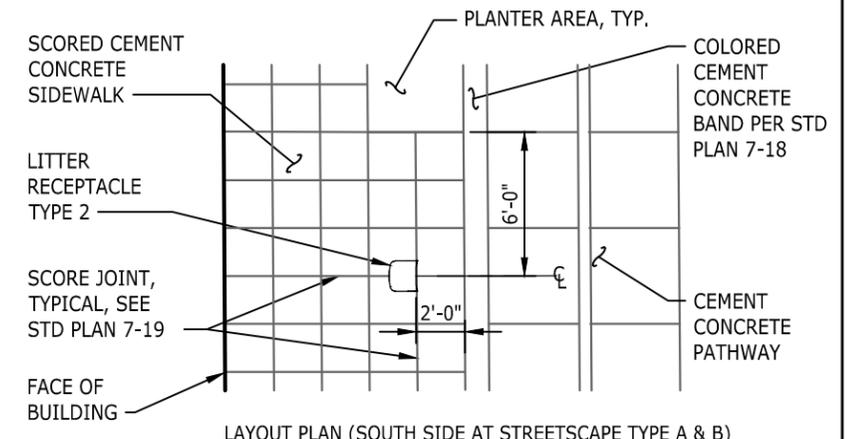
1. LITTER RECEPTACLE TYPE 2 SHALL BE "MULTIPLICITY", (1) 18 GALLON LINER MANUFACTURED BY LANDSCAPE FORMS, OR APPROVED EQUAL.
2. COLOR SHALL BE MANUFACTURER POLYESTER POWDERCOAT WITH "ALUMINUM" COLOR.
3. LITTER RECEPTACLE TYPE 2 SHALL BE SURFACE MOUNT INSTALLATION, LEVEL AND PLUMB.
4. APPLIES TO BUFFER ZONES AT STREETScape TYPE C.
5. APPLIES TO BUFFER AND AMENITY ZONES AT STREETScape TYPES A AND B.
6. APPLIES TO BUFFER ZONES NEAR SIGNIFICANT INTERSECTIONS, MINOR INTERSECTIONS/CROSSINGS, AND MID-BLOCK CROSSINGS.



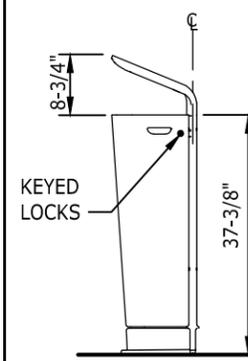
AXONOMETRIC



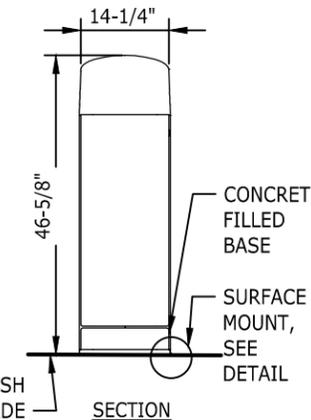
SURFACE MOUNT SECTION



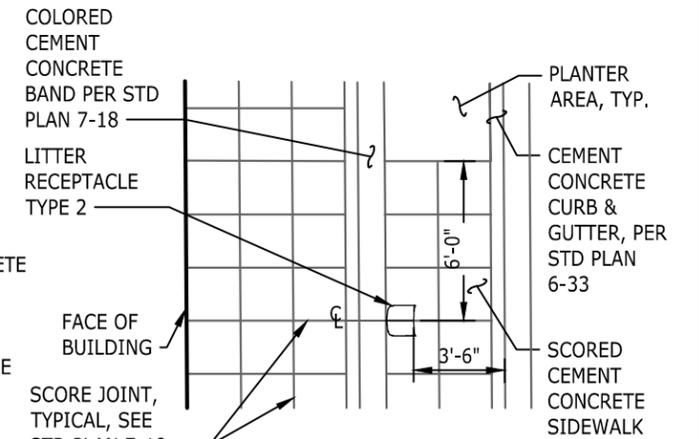
LAYOUT PLAN (SOUTH SIDE AT STREETScape TYPE A & B)



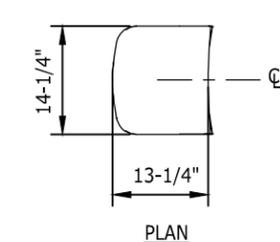
ELEVATION



SECTION



LAYOUT PLAN (NORTH SIDE & STREETScape TYPE C)



PLAN

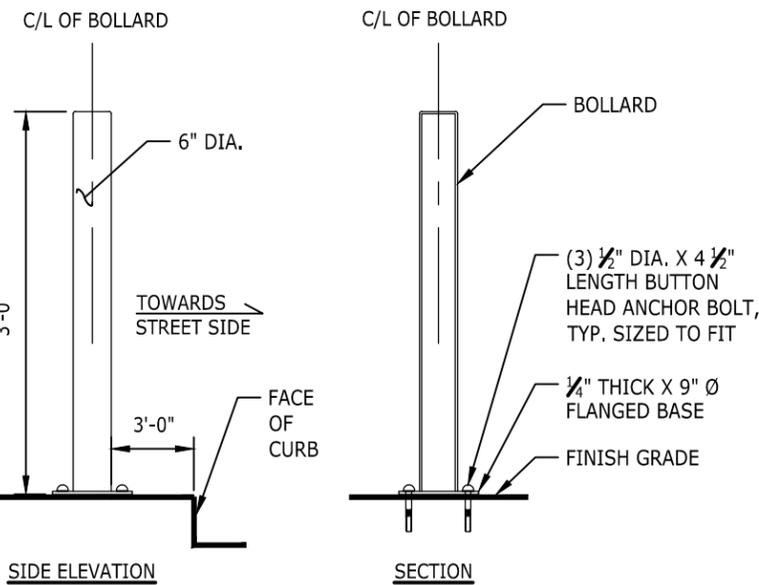
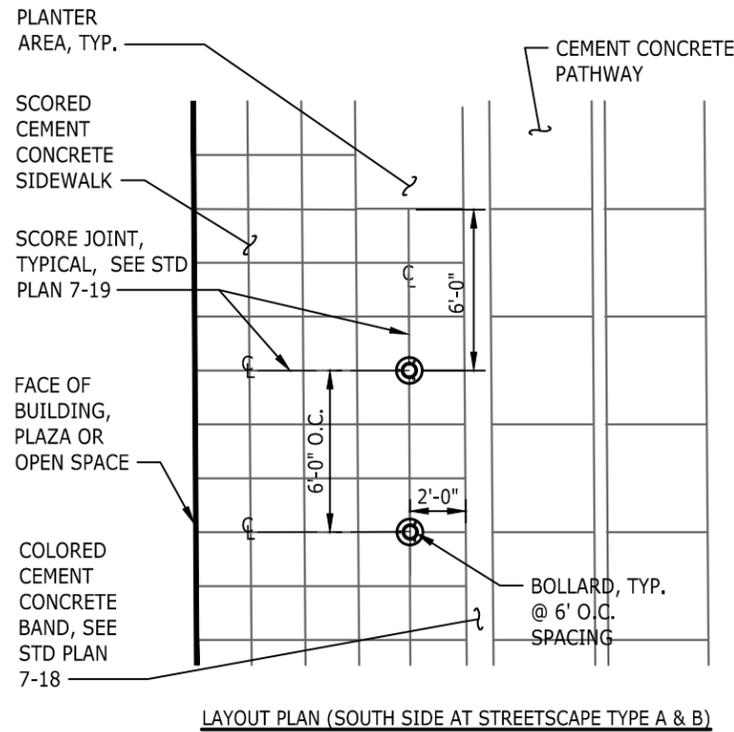


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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER ST LITTER RECEPTACLE TYPE 2		
DESIGNED XXX	SCALE NONE	STANDARD PLAN
DRAWN XXX	DATE -	
CHECKED XXX		
APPROVED _____	ENGINEER	7-7

NOTES:

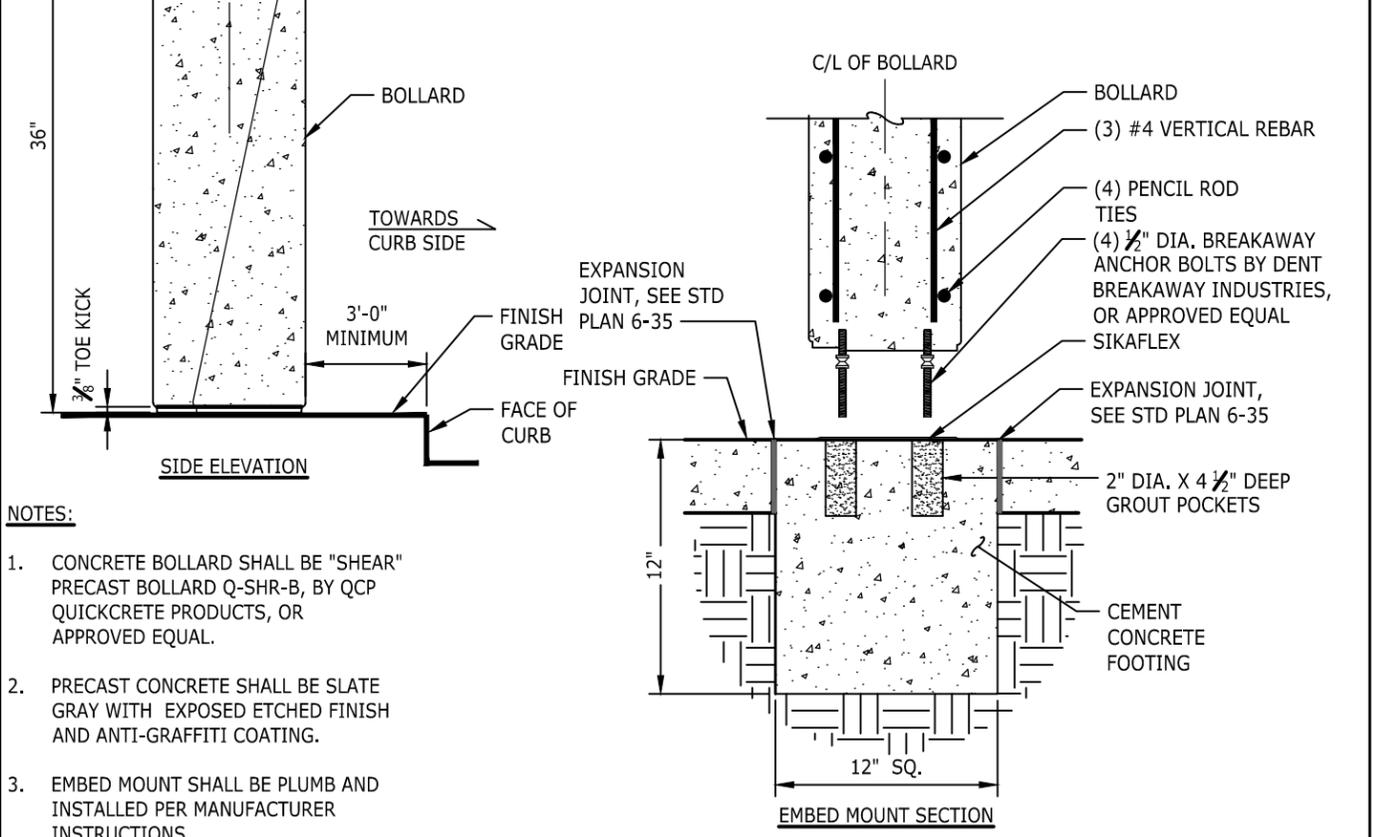
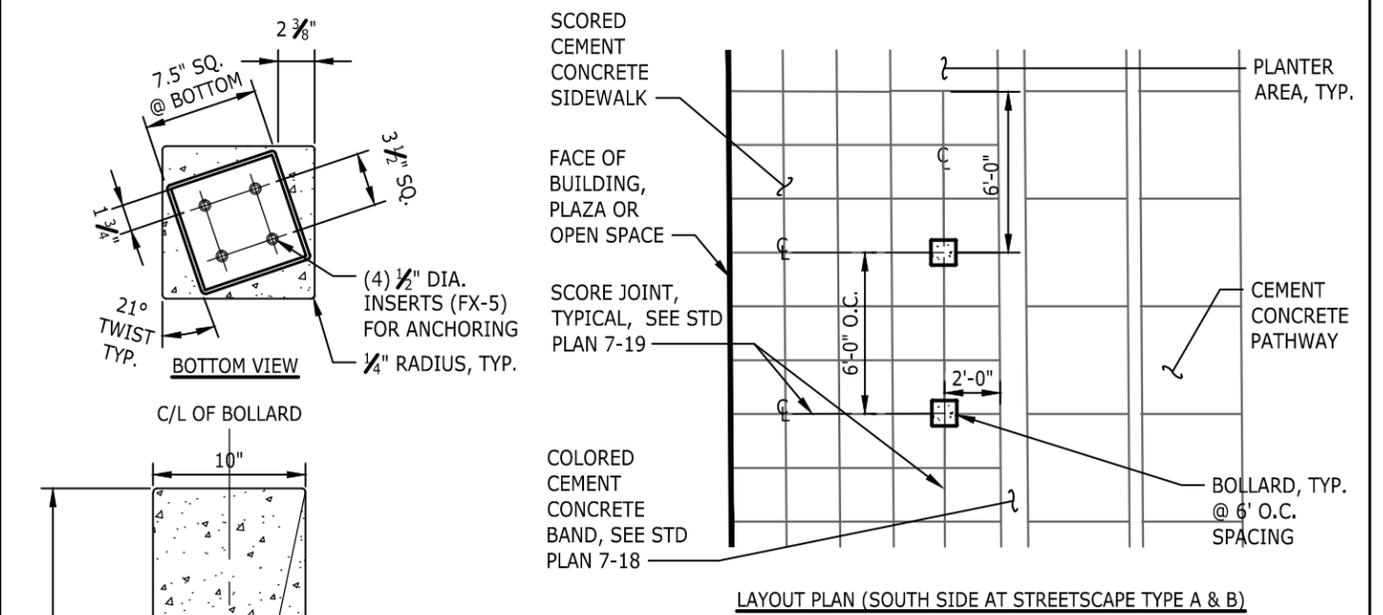
- METAL BOLLARD SHALL BE B-2 CUSTOM WITH FLAT TOP, SCHEDULE 40, STAINLESS STEEL TYPE 316, BY FAIRWEATHER SITE FURNISHINGS, OR APPROVED EQUAL.
- FINISH SHALL BE IN BRUSH SATIN WITH CLEAR ANTI-GRAFFITTI COATING.
- MANUFACTURER EMBED MOUNT SHALL BE PLUMB AND INSTALLED PER MANUFACTURER INSTRUCTIONS.
- APPLIES TO AMENITY ZONES ON SOUTH SIDE AT STREETScape TYPE A AND B.
- METAL BOLLARDS SHALL BE 6' MIN FROM CENTERLINE OF BOLLARD TO EDGE OF STREETScape ELEMENTS, PLANTERS AND ILLUMINATION POLES.



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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET METAL BOLLARD		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	7-8
CHECKED: XXX	ENGINEER	
APPROVED: _____		



NOTES:

- CONCRETE BOLLARD SHALL BE "SHEAR" PRECAST BOLLARD Q-SHR-B, BY QCP QUICKCRETE PRODUCTS, OR APPROVED EQUAL.
- PRECAST CONCRETE SHALL BE SLATE GRAY WITH EXPOSED ETCHED FINISH AND ANTI-GRAFFITTI COATING.
- EMBED MOUNT SHALL BE PLUMB AND INSTALLED PER MANUFACTURER INSTRUCTIONS.
- ALL EDGES SHALL BE EASED.
- MANUFACTURING TOLERANCES SHALL BE $\pm 1/4"$.
- APPLIES TO AMENITY ZONES ON SOUTH SIDE AT STREETScape TYPE A AND B.
- CONCRETE BOLLARDS SHALL BE 6' MIN FROM CENTERLINE OF BOLLARD TO EDGE OF STREETScape ELEMENTS, PLANTERS AND ILLUMINATION POLES.

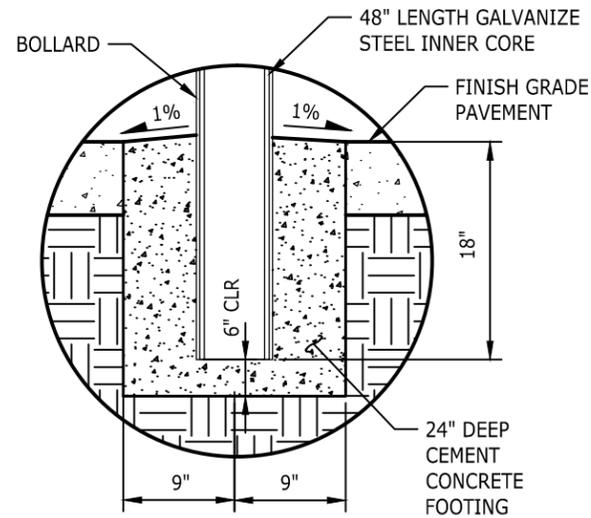
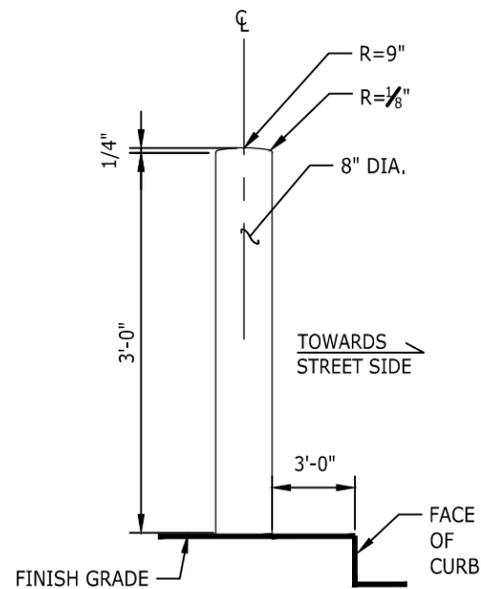
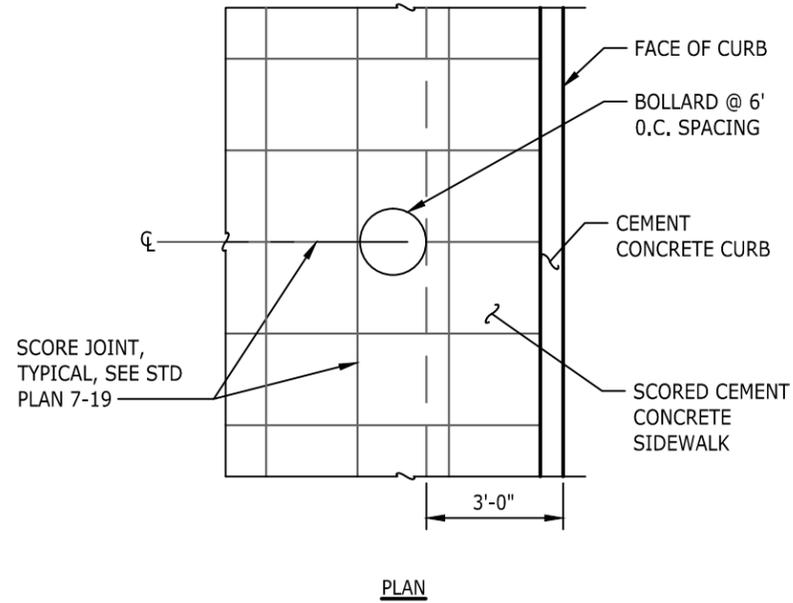


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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET CONCRETE BOLLARD		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	7-9
CHECKED: XXX	ENGINEER	
APPROVED: _____		

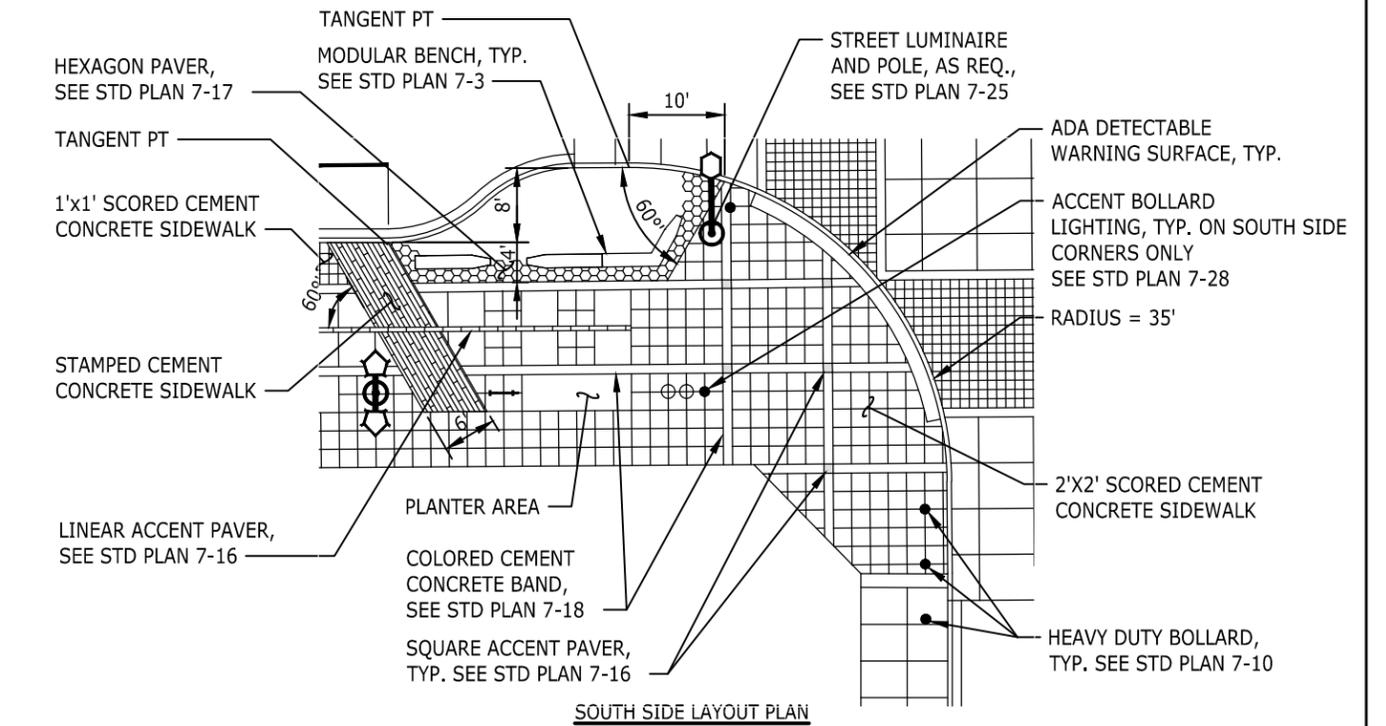
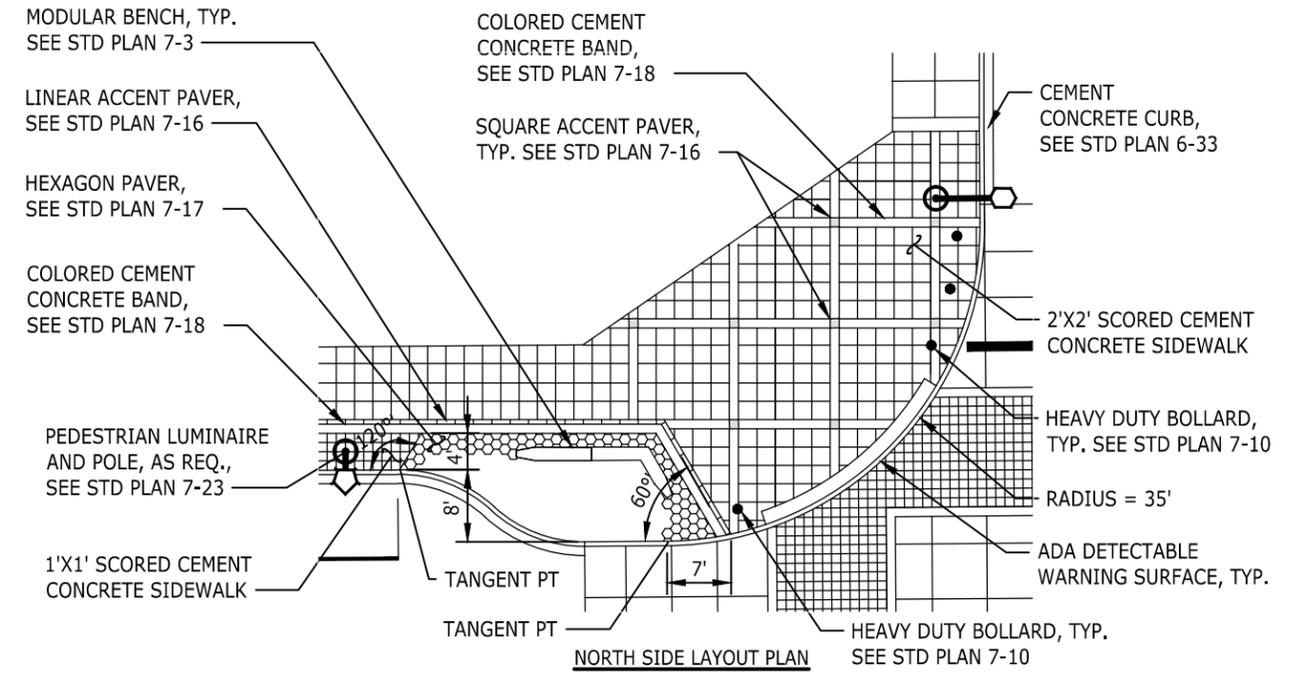
NOTES:

1. HEAVY DUTY METAL BOLLARD SHALL BE B-2 CUSTOM SEMI DOME TOP, SCHEDULE 40, STAINLESS STEEL TYPE 316, BY FAIRWEATHER SITE FURNISHINGS, OR APPROVED EQUAL.
2. FINISH SHALL BE IN BRUSH SATIN WITH CLEAR ANTI-GRAFFITTI COATING.
3. MANUFACTURER EMBED MOUNT SHALL BE PLUMB AND INSTALLED PER MANUFACTURER INSTRUCTIONS.
4. APPLIES TO MINOR INTERSECTIONS AT STREETScape TYPE A, B AND C.



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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET HEAVY DUTY METAL BOLLARD		
DESIGNED XXX	SCALE NONE	STANDARD PLAN
DRAWN XXX	DATE -	7-10
CHECKED XXX	ENGINEER	
APPROVED _____		



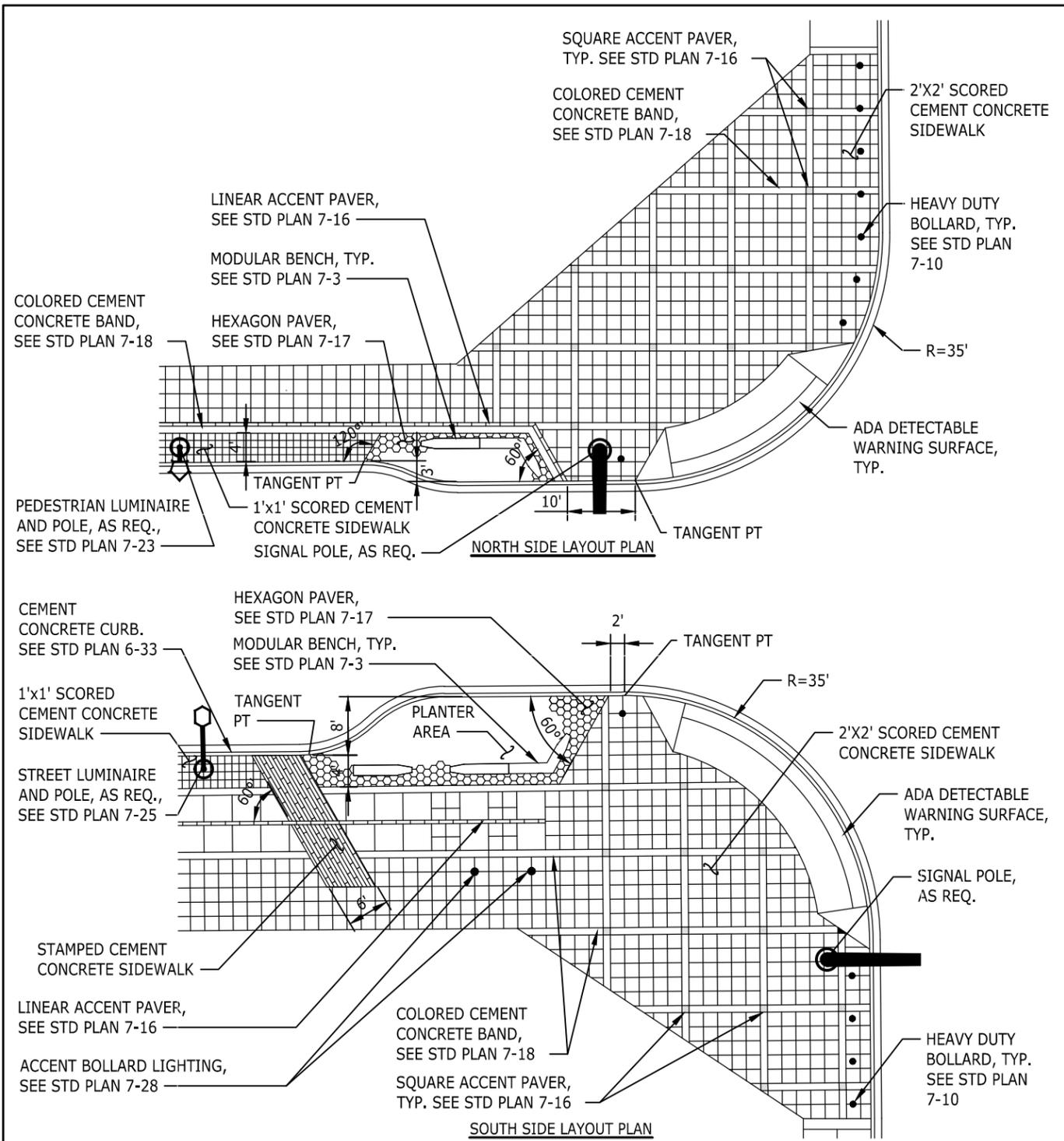
NOTES:

1. ADA DETECTABLE WARNING SURFACE SHALL BE "YELLOW" (FEDERAL COLOR NO 33538) BY VANGUARD ADA SYSTEMS, OR APPROVED EQUAL.



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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET MINOR RAISED INTERSECTION CORNER LAYOUT DETAIL		
DESIGNED XXX	SCALE NONE	STANDARD PLAN
DRAWN XXX	DATE -	7-11
CHECKED XXX	ENGINEER	
APPROVED _____		



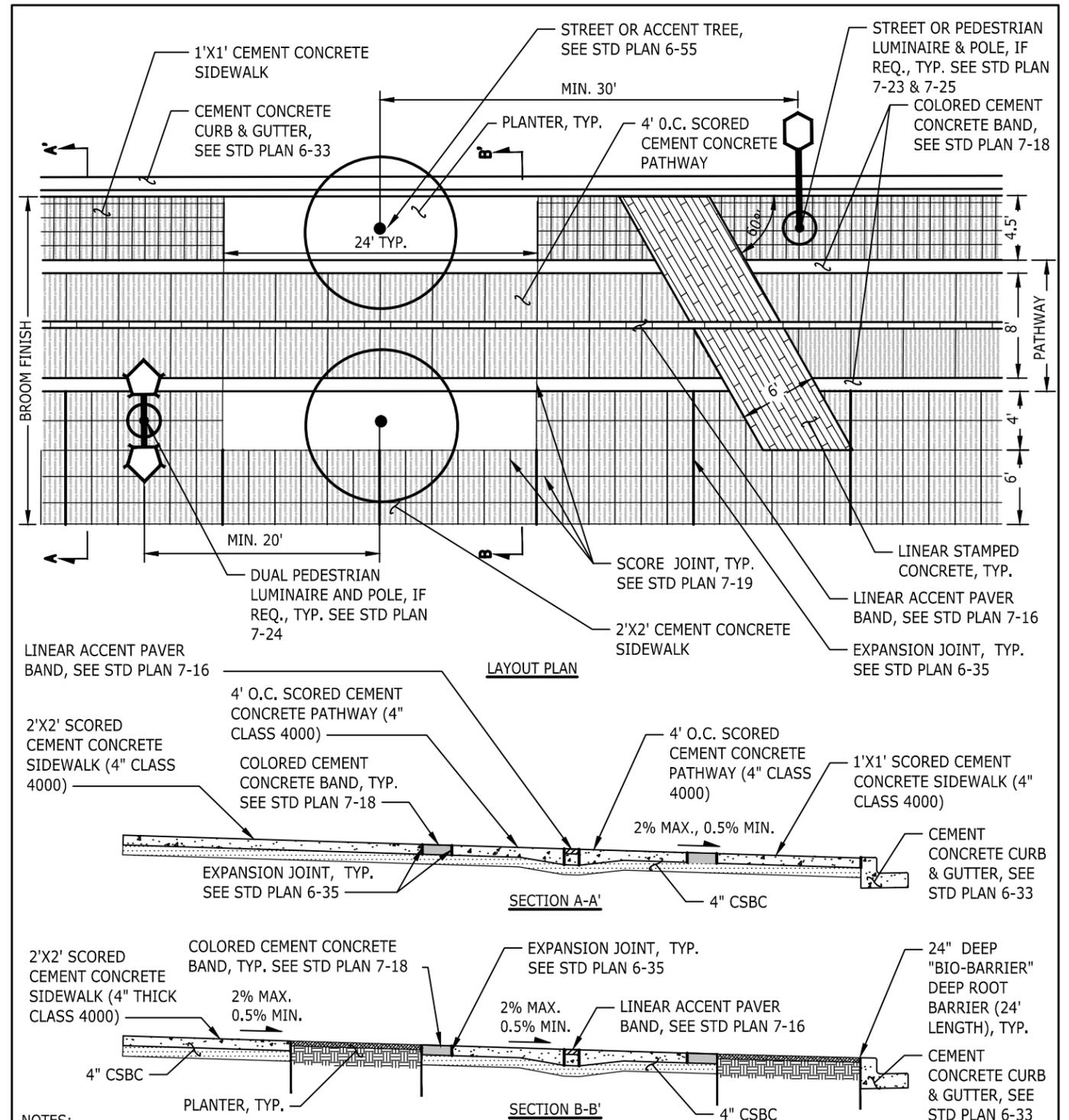
NOTES:

1. ADA DETECTABLE WARNING SURFACE SHALL BE "YELLOW" (FEDERAL COLOR NO 33538) BY VANGUARD ADA SYSTEMS, OR APPROVED EQUAL.



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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET SIGNIFICANT INTERSECTION CORNER LAYOUT DETAIL		
DESIGNED XXX	SCALE NONE	STANDARD PLAN
DRAWN XXX	DATE -	
CHECKED XXX	DATE -	
APPROVED	ENGINEER	7-12



NOTES:

1. ALL PAVERS, COLORED CEMENT CONCRETE BAND, SCORED CEMENT CONCRETE SIDEWALK, AND LINEAR STAMPED CEMENT CONCRETE SHALL MATCH CROSS AND LONGITUDINAL SLOPE OF CONCRETE SIDEWALK AND/OR ADJACENT PAVER.

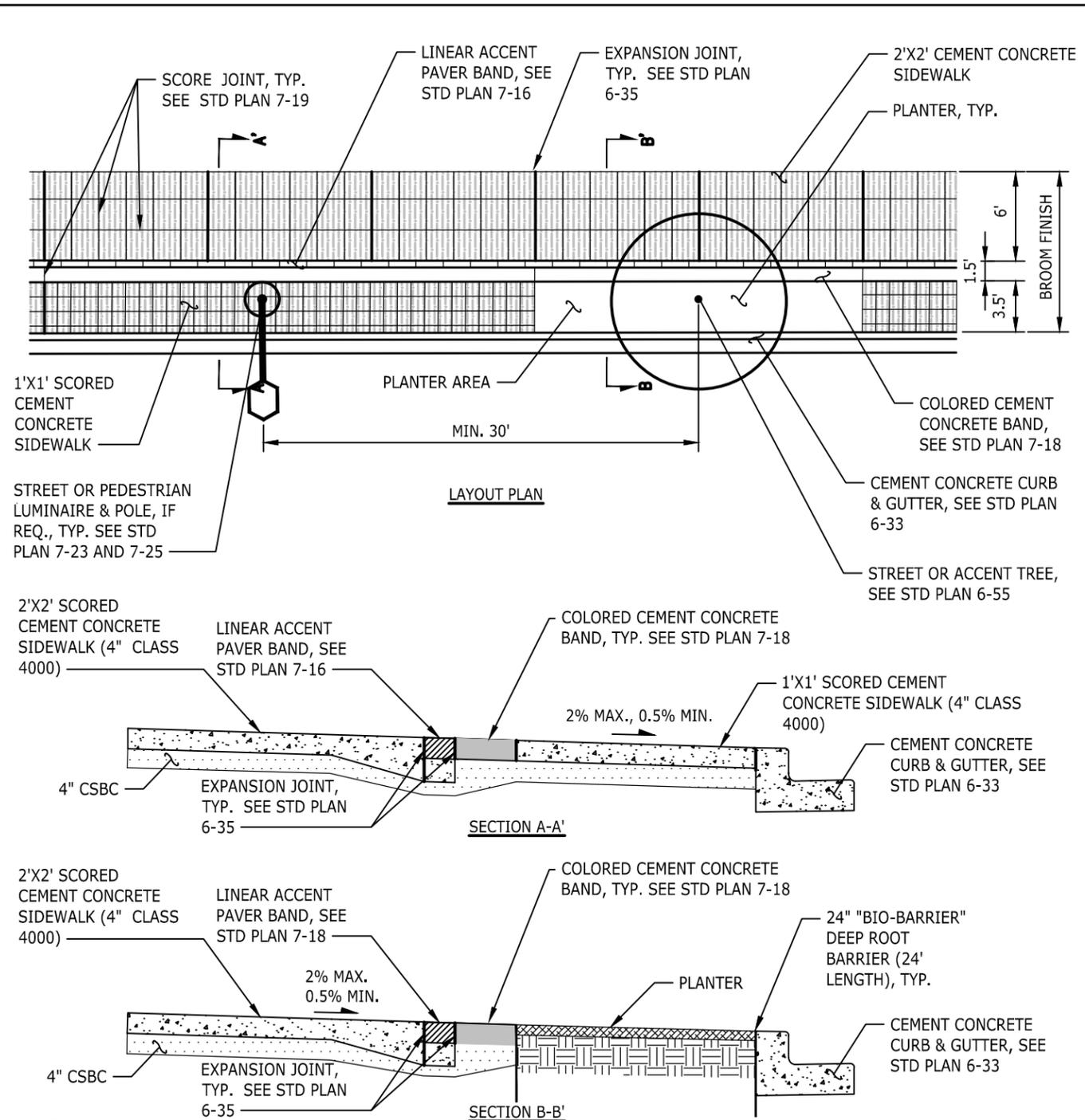
2. SEE STD PLAN 7-19 FOR SCORE JOINT DETAIL.

3. ALL SIDEWALK SURFACE TREATMENTS SHALL BE ADA COMPLIANT.



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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET STREETSCAPE TYPE A & B SOUTH SIDE TYP. CEMENT CONCRETE SIDEWALK LAYOUT DETAIL		
DESIGNED XXX	SCALE NONE	STANDARD PLAN
DRAWN XXX	DATE -	
CHECKED XXX	DATE -	
APPROVED	ENGINEER	7-13

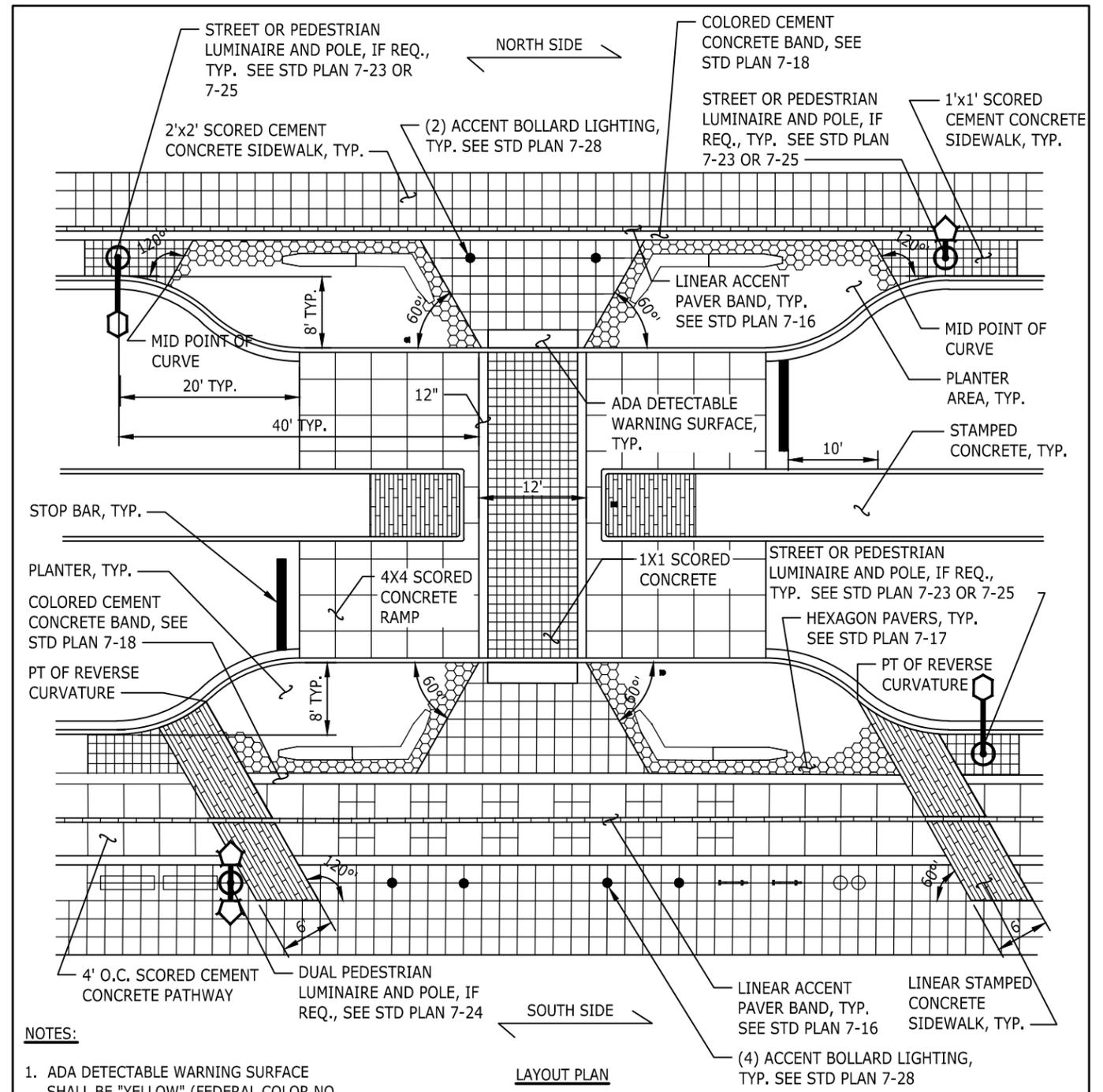


- NOTES:**
1. ALL PAVERS, COLORED CEMENT CONCRETE BAND, SCORED CEMENT CONCRETE SIDEWALK, AND LINEAR STAMPED CEMENT CONCRETE SHALL MATCH CROSS AND LONGITUDINAL SLOPE OF CONCRETE SIDEWALK AND/OR ADJACENT PAVER.
 2. SEE STD PLAN 7-19 FOR SCORE JOINT DETAIL.
 3. ALL SIDEWALK SURFACE TREATMENTS SHALL BE ADA COMPLIANT.



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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET STREETSCAPE TYPE C & NORTH SIDE TYPICAL SIDEWALK LAYOUT DETAIL		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	7-14
CHECKED: XXX	ENGINEER	
APPROVED		

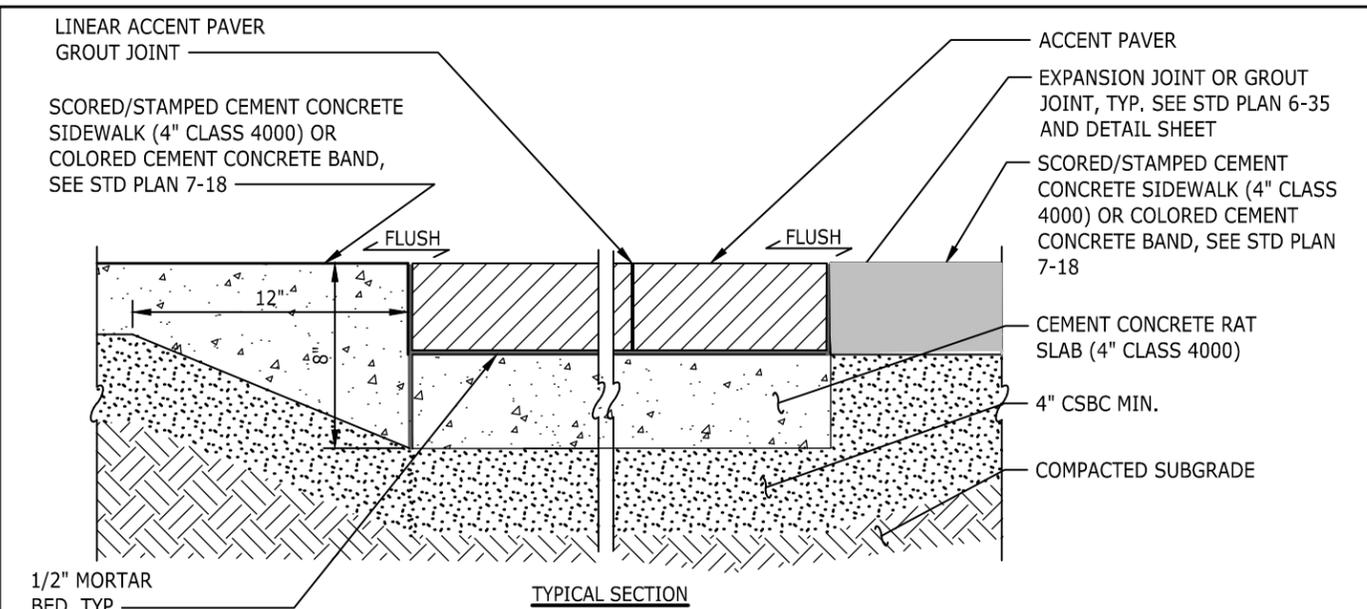


- NOTES:**
1. ADA DETECTABLE WARNING SURFACE SHALL BE "YELLOW" (FEDERAL COLOR NO 33538) BY VANGUARD ADA SYSTEMS, OR APPROVED EQUAL.
 2. NORTH SIDE SIDEWALK LAYOUT IS MIRRORED ON SOUTH SIDE AT STREETSCAPE TYPE C.
 3. SEE STD PLAN 7-22 FOR MID-BLOCK CROSSWALK LAYOUT.
 4. ALL SIDEWALK SURFACE TREATMENTS TO MATCH CROSS AND LONGITUDINAL SLOPE OF CONCRETE SIDEWALK AND/OR ADJACENT PAVER.
 5. ALL SIDEWALK SURFACE TREATMENTS SHALL BE ADA COMPLIANT.

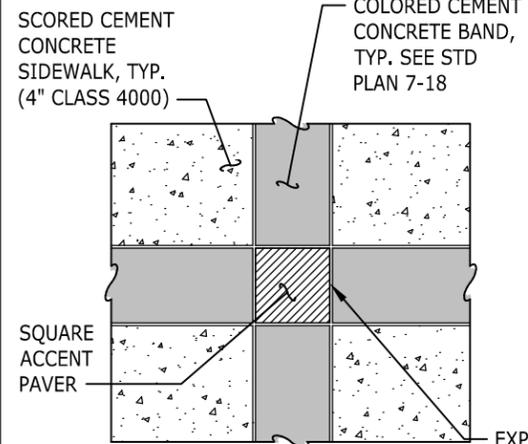


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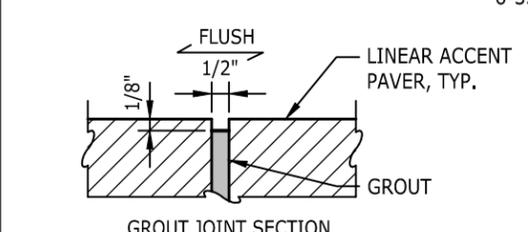
CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET RAISED MID-BLOCK CROSSWALK DETAIL		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	7-15
CHECKED: XXX	ENGINEER	
APPROVED		



TYPICAL SECTION

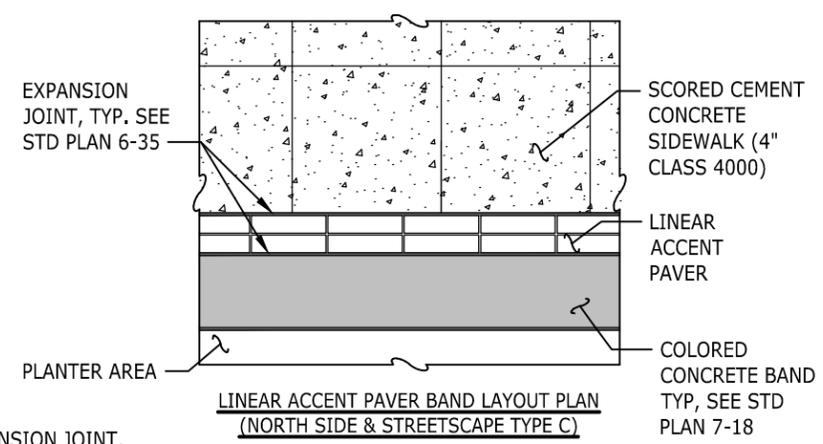


SQUARE ACCENT PAVER LAYOUT PLAN

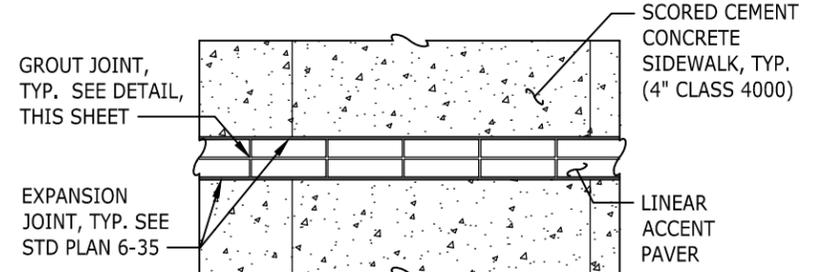


GROUT JOINT SECTION

- NOTES:
1. SQUARE ACCENT PAVER SHALL BE 12" WIDTH X 12" LENGTH X 4" THICK MODULAR PAVER BY STEPSTONE, INC. OR APPROVED EQUAL.
 2. LINEAR ACCENT PAVER SHALL BE 3" WIDTH X 12" LENGTH X 4" THICK NARROW MODULAR PAVER BY STEPSTONE, INC. OR APPROVED EQUAL.
 3. ALL PAVERS TO MATCH CROSS AND LONGITUDINAL SLOPE OF CONCRETE SIDEWALK AND/OR ADJACENT PAVER.
 4. ALL SIDEWALK SURFACE TREATMENTS SHALL BE ADA COMPLIANT.



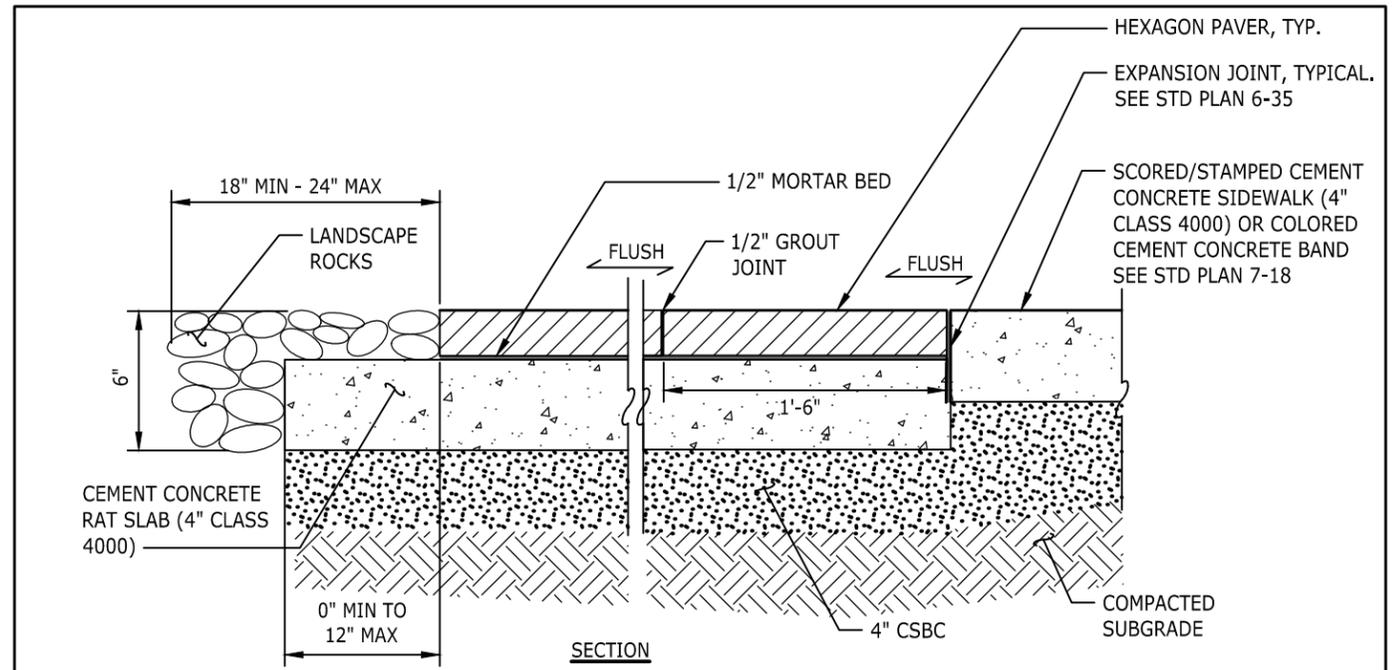
LINEAR ACCENT PAVER BAND LAYOUT PLAN (NORTH SIDE & STREETSCAPE TYPE C)



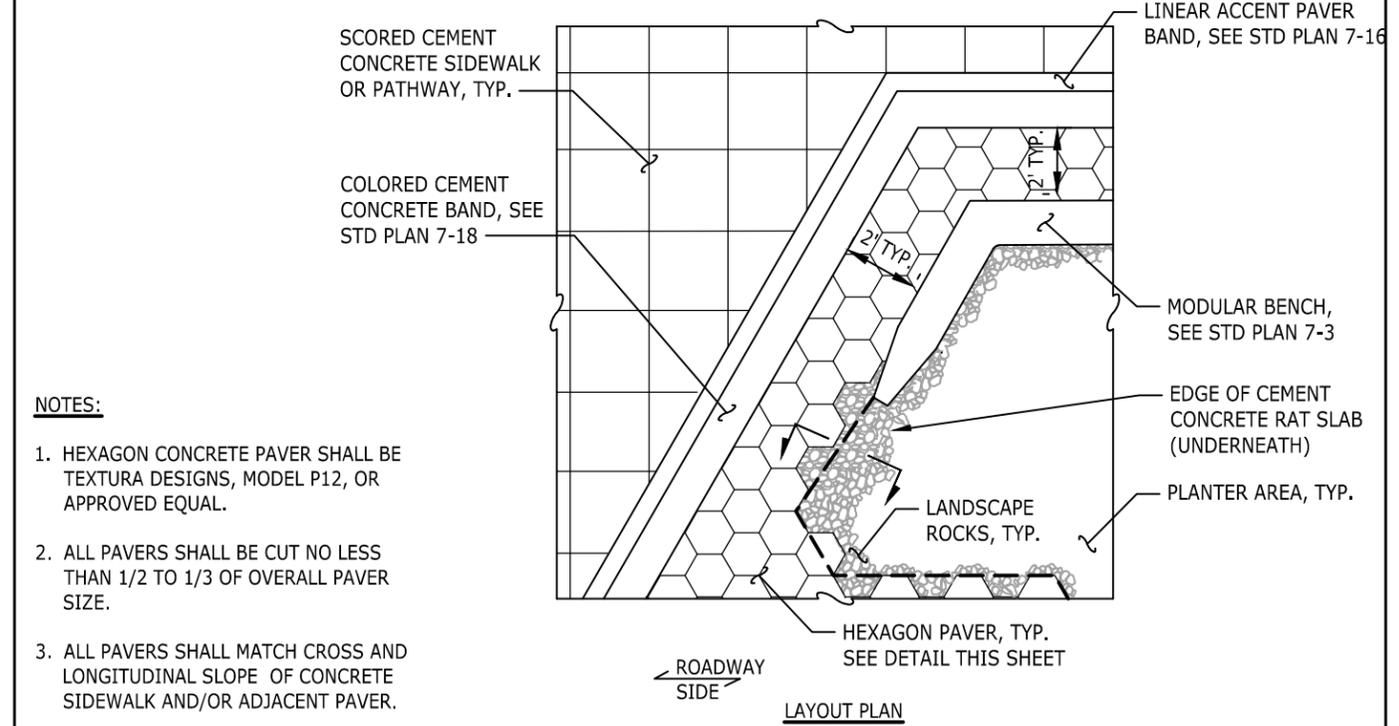
LINEAR ACCENT PAVER BAND LAYOUT PLAN (SOUTH SIDE ALONG STREETSCAPE TYPE A & B)

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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET LINEAR ACCENT PAVER BAND & SQUARE ACCENT PAVER INSTALLATION DETAIL		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	7-16
CHECKED: XXX	ENGINEER	
APPROVED _____		



SECTION



LAYOUT PLAN

- NOTES:
1. HEXAGON CONCRETE PAVER SHALL BE TEXTURA DESIGNS, MODEL P12, OR APPROVED EQUAL.
 2. ALL PAVERS SHALL BE CUT NO LESS THAN 1/2 TO 1/3 OF OVERALL PAVER SIZE.
 3. ALL PAVERS SHALL MATCH CROSS AND LONGITUDINAL SLOPE OF CONCRETE SIDEWALK AND/OR ADJACENT PAVER.
 4. LANDSCAPE ROCKS SHALL BE 1 TO 2 INCH ROUND SMOOTH STONES IN MIX MEDIUM GRAY TO DARK GREY COLOR.
 5. ALL SIDEWALK SURFACE TREATMENTS SHALL BE ADA COMPLIANT.

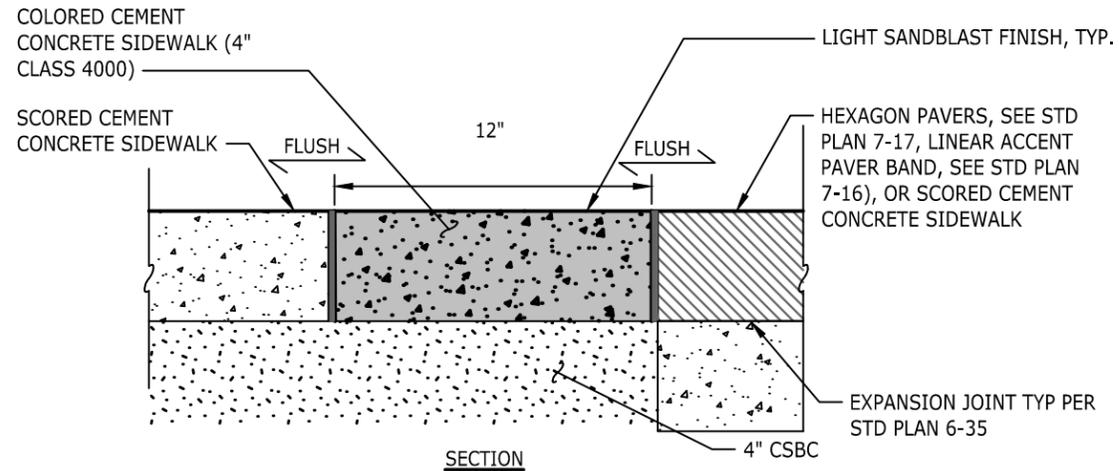


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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET HEXAGON PAVER INSTALLATION AND LAYOUT DETAIL		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	7-17
CHECKED: XXX	ENGINEER	
APPROVED _____		

NOTES:

1. PROVIDE EXPANSION AND CONTRACTION JOINTS EVERY 24' O.C., SEE STD PLAN 6-35.
2. COLORED CEMENT CONCRETE BAND TO MATCH CROSS AND LONGITUDINAL SLOPE OF CONCRETE SIDEWALK AND/OR ADJACENT PAVER.
3. ALL SIDEWALK SURFACE TREATMENTS SHALL BE ADA COMPLIANT.
4. COLORED CEMENT CONCRETE BAND LAYOUTS ON SOUTH SIDE OF STREETScape TYPE A & B PER STD PLAN 7-13.
5. COLORED CEMENT CONCRETE BANDS LAYOUTS ON STREETScape TYPE C AND NORTH SIDE LAYOUTS PER STD PLAN 7-14.
6. INTEGRAL COLOR FOR COLORED CEMENT CONCRETE BAND SHALL BE "SAN JUAN STONE" BY CADMAN COLORMIX, OR APPROVED EQUAL.



SECTION

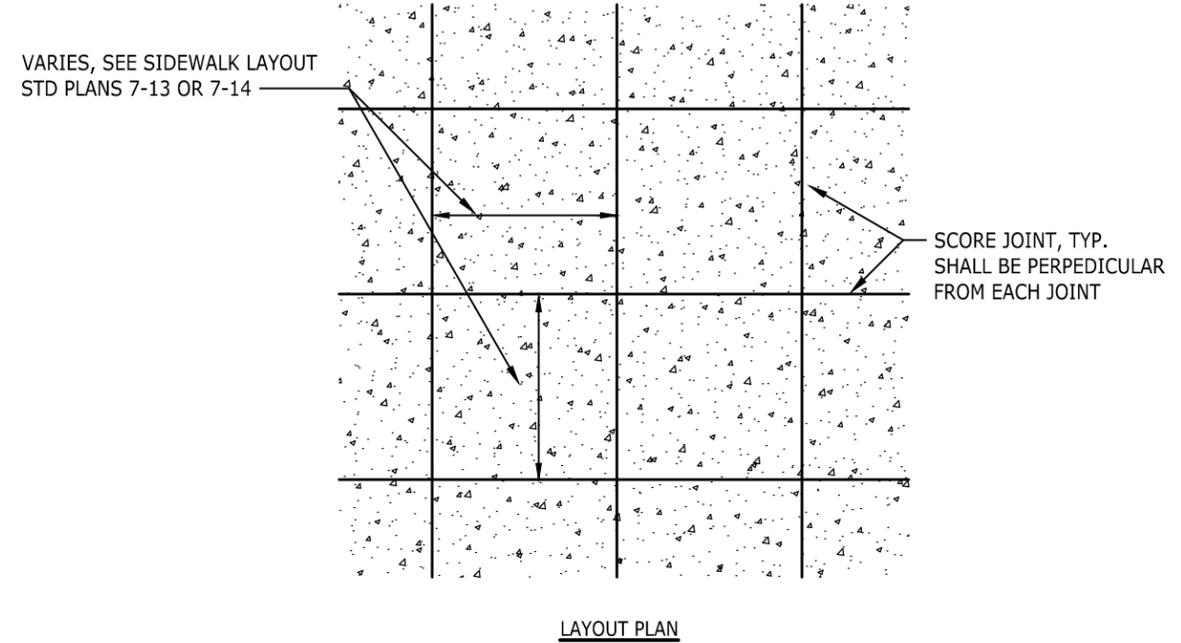


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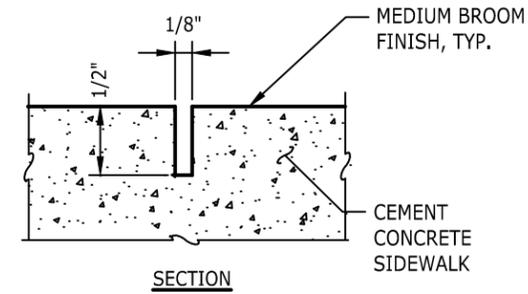
CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET COLORED CEMENT CONCRETE BAND DETAIL		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: --	7-18
CHECKED: XXX	ENGINEER	
APPROVED: _____		

NOTES:

1. CLEAN SCORE JOINT BY SAWCUT OR TOOLED. NO RADIUS ON EDGE. NO SMOOTH FLANGE TOOLING ON EITHER SIDE OF JOINT.
2. FOR EXPANSION AND CONTRACTION JOINT DETAIL REFER TO STD PLAN 6-35.
3. MEDIUM BROOM FINISH SHALL BE PERPENDICULAR TO BACK OF CURB.



LAYOUT PLAN

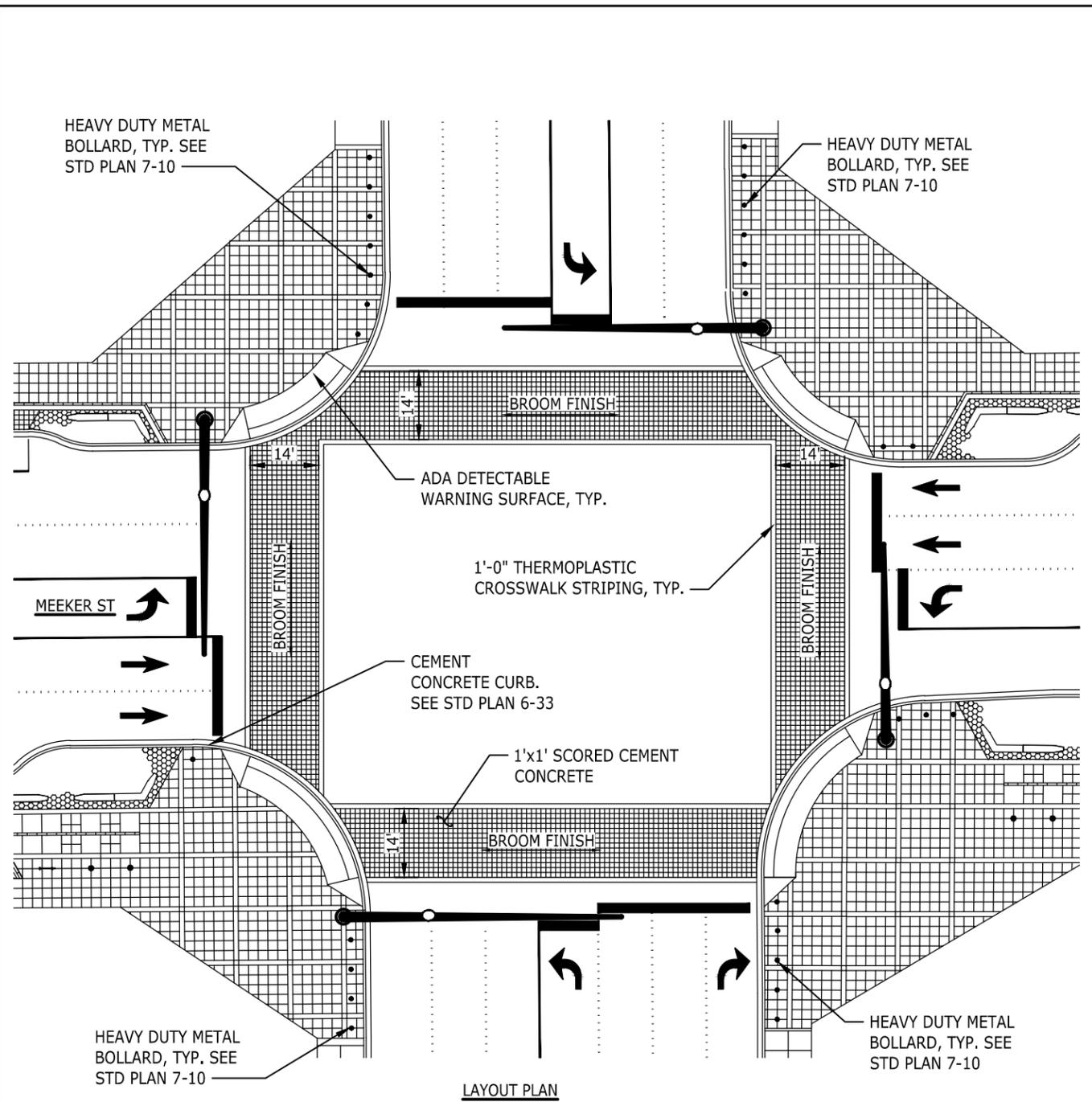


SECTION



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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET SCORE JOINT DETAIL		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: --	7-19
CHECKED: XXX	ENGINEER	
APPROVED: _____		



LAYOUT PLAN

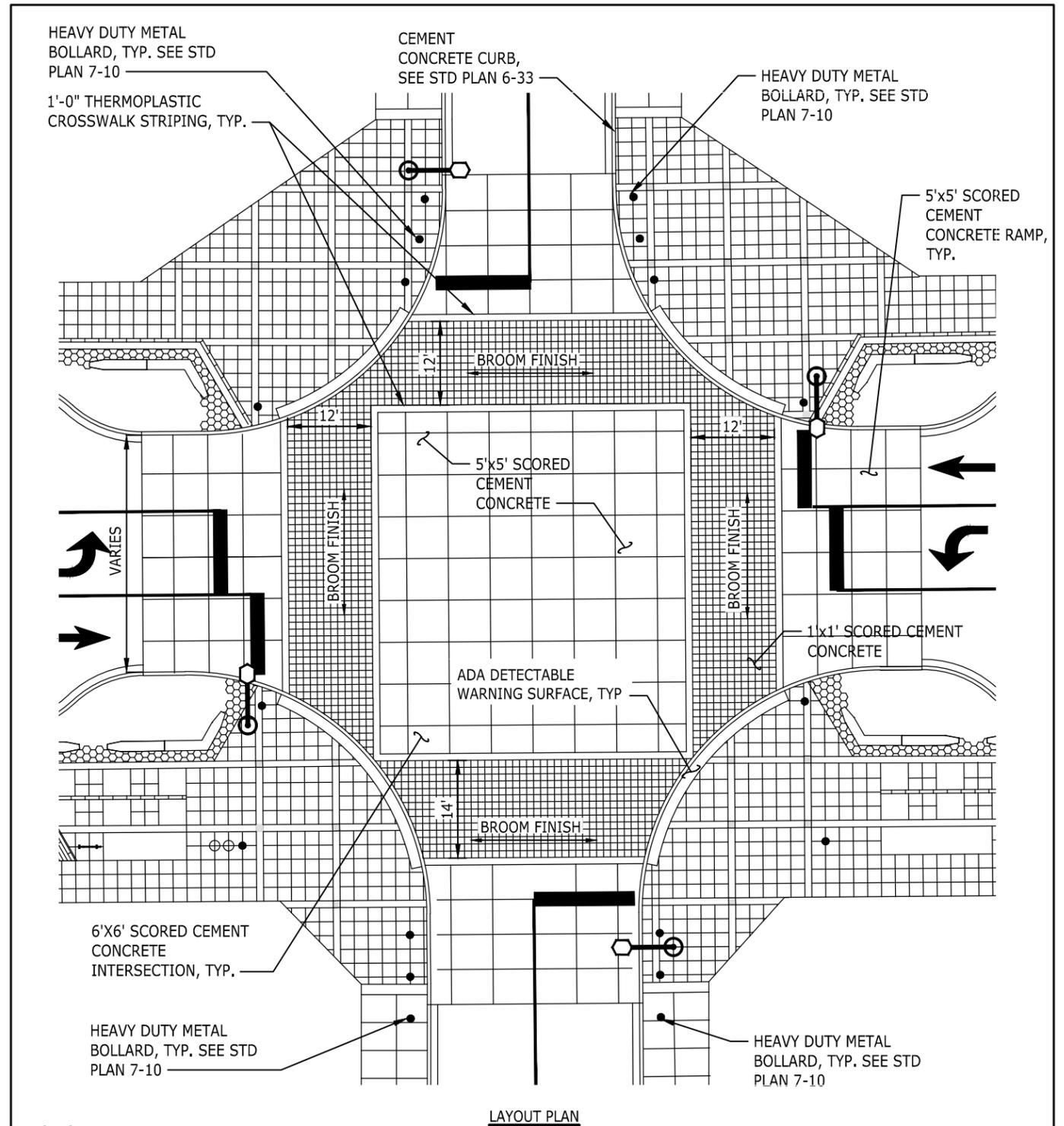
NOTES:

1. ADA DETECTABLE WARNING SURFACE SHALL BE "YELLOW" (FEDERAL COLOR NO 33538) BY VANGUARD ADA SYSTEMS, OR APPROVED EQUAL.
2. CROSSWALK SURFACE SHALL RECEIVE A MEDIUM BROOM FINISH TRANSVERSE TO VEHICLE FLOW.



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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET SIGNIFICANT INTERSECTION AND CROSSWALK LAYOUT DETAIL		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	7-20
CHECKED: XXX	ENGINEER	
APPROVED		



LAYOUT PLAN

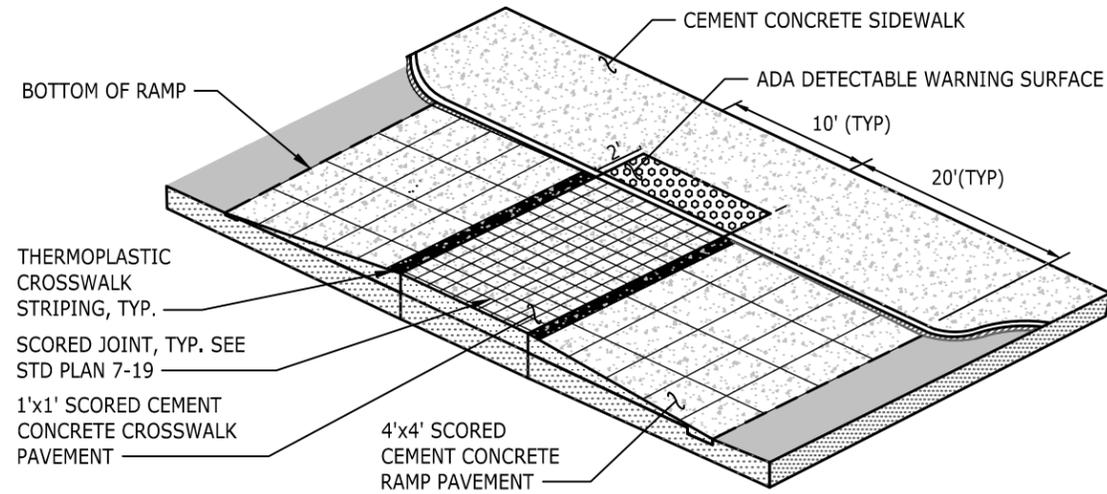
NOTES:

1. ADA DETECTABLE WARNING SURFACE SHALL BE "YELLOW" (FEDERAL COLOR NO 33538) BY VANGUARD ADA SYSTEMS, OR APPROVED EQUAL.
2. CROSSWALK SURFACE SHALL RECEIVE A MEDIUM BROOM FINISH TRANSVERSE TO VEHICLE FLOW.
3. SEE STD PLAN 7-22 FOR RAISED MID-BLOCK CROSSWALK LAYOUT.

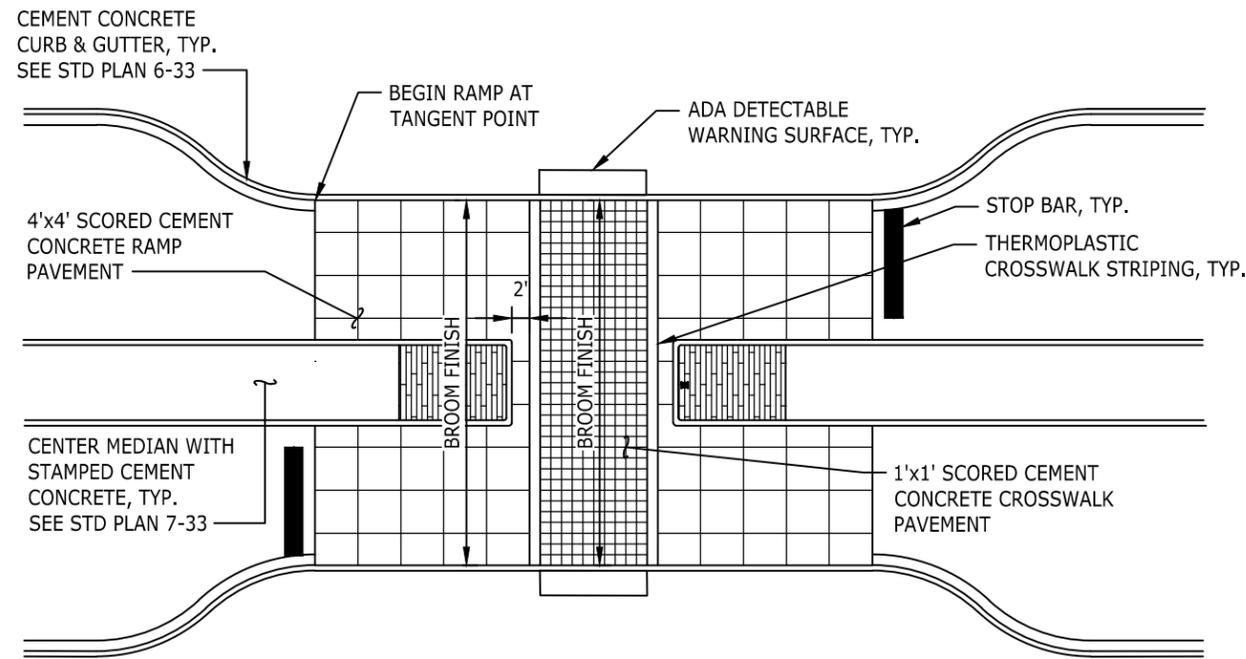


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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET MINOR RAISED INTERSECTION AND CROSSWALK LAYOUT DETAIL		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	7-21
CHECKED: XXX	ENGINEER	
APPROVED		



AXOMETRIC



PLAN

NOTES:

1. ADA DETECTABLE WARNING SURFACE SHALL BE "YELLOW" (FEDERAL COLOR NO 33538) BY VANGUARD ADA SYSTEMS, OR APPROVED EQUAL.
2. SEE STD PLAN 7-19 FOR SCORE JOINT DETAIL.
3. SEE STD PLAN 7-15 FOR SIDEWALK LAYOUT AT MID-BLOCK CROSSWALK.
4. CROSSWALK AND RAMP SURFACE SHALL RECEIVE A MEDIUM BROOM FINISH TRANSVERSE TO VEHICLE FLOW.



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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET RAISED MID-BLOCK CROSSWALK LAYOUT DETAIL		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: --	
CHECKED: XXX		7-22
APPROVED:	ENGINEER	

NOTES:

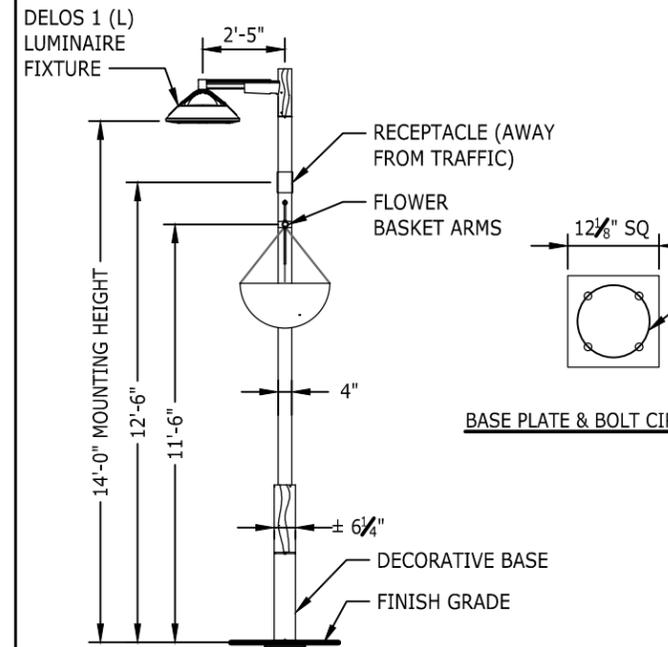
1. ORIENTATION LOCATIONS:
* HANDHOLE ACCESS DOOR SHALL BE MOUNTED AT 180°
* RECEPTACLE SHALL BE MOUNTED AT 90°
* CARFLEX CONDUIT, AND IRRIGATION HOLE SHALL BE MOUNTED AT 90° AND 270°
2. NEW AND EXISTING UTILITIES MUST BE SHOWN ON DEVELOPMENT PLANS WITH APPROPRIATE CLEARANCES. ANY FIELD ADJUSTMENTS MUST BE APPROVED BY CITY.
3. FOUNDATION SHALL BE PER CITY OF KENT STANDARD PLAN 6-89. TOP OF FOUNDATION SHALL BE LOCATED BELOW SIDEWALK, AT BOTTOM OF SIDEWALK ELEVATION. LUMINAIRE POLE BASE PLATE SHALL BE INSTALLED ON TOP OF SIDEWALK. ANCHOR BOLTS SHALL HAVE BREAKAWAY FEATURE. FOR IRRIGATION DETAILS AT POLE BASE, SEE CITY OF KENT STANDARD PLAN 7-30 & 7-31.

LUMINAIRE:

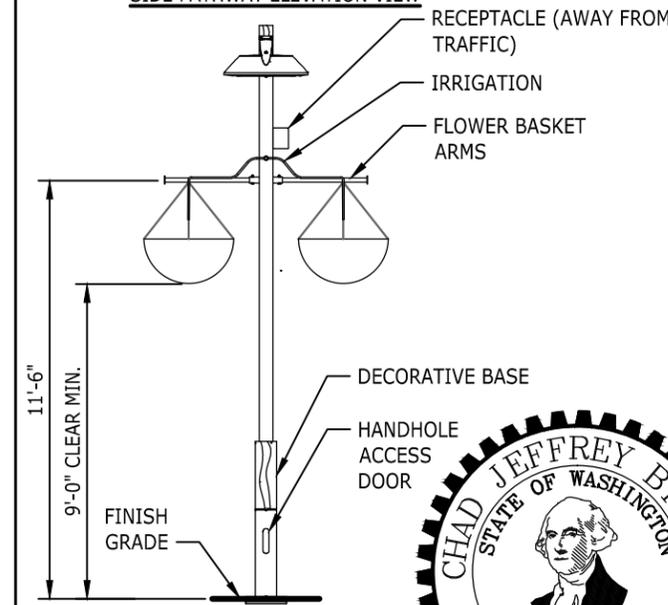
1. LUMINAIRE MANUFACTURER: AEC ILLUMINATION CORP - DELOS 1 LED STU-M 3.5-2M
2. ALUMINUM HOUSING WITH QUICK INSTALLATION SYSTEM (QIS)
3. LED, 3000K CCT, 525mA MAX DRIVE CURRENT, FLAT LENS

PEDESTRIAN LIGHTING:

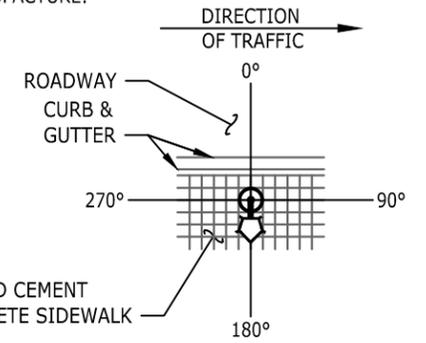
1. LUMINAIRE ARM, BASE, AND POLE SHALL BE POLYESTER POWDER COAT SYSTEM BY TIGER DRYLAC, WITH ANTI-GRAFFITI PROPERTIES, FEDERAL COLOR #26008 OR APPROVED EQUAL.
2. POLES SHALL BE HOT DIPPED GALVANIZED.
3. FLOWER BASKET ATTACHMENTS SYSTEM AND ARMS PER MANUFACTURE.



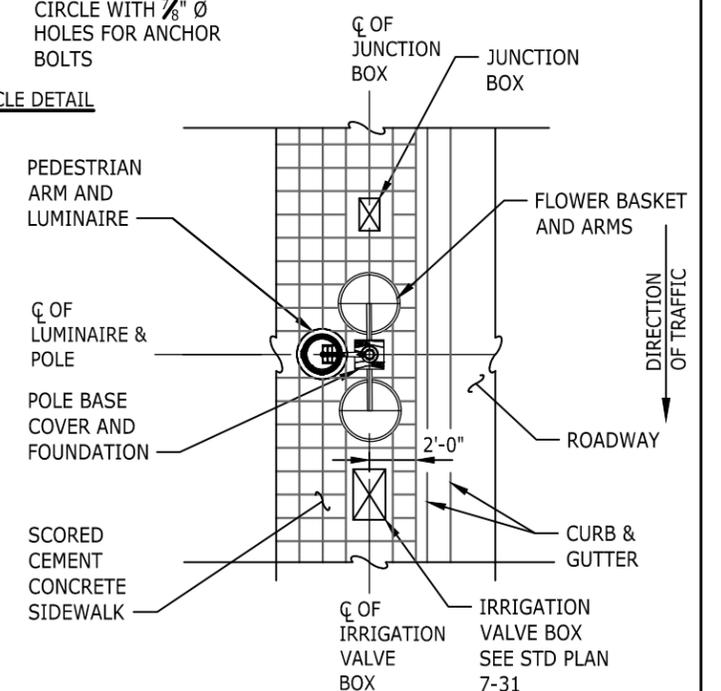
SIDE PATHWAY ELEVATION VIEW



SIDEWALK ELEVATION VIEW



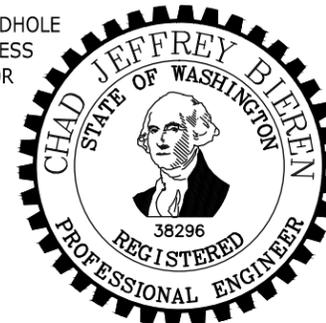
ORIENTATION DIAGRAM



PLAN

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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET SINGLE ARM PEDESTRIAN LUMINAIRE AND POLE		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: --	
CHECKED: XXX		7-23
APPROVED:	ENGINEER	



NOTES:

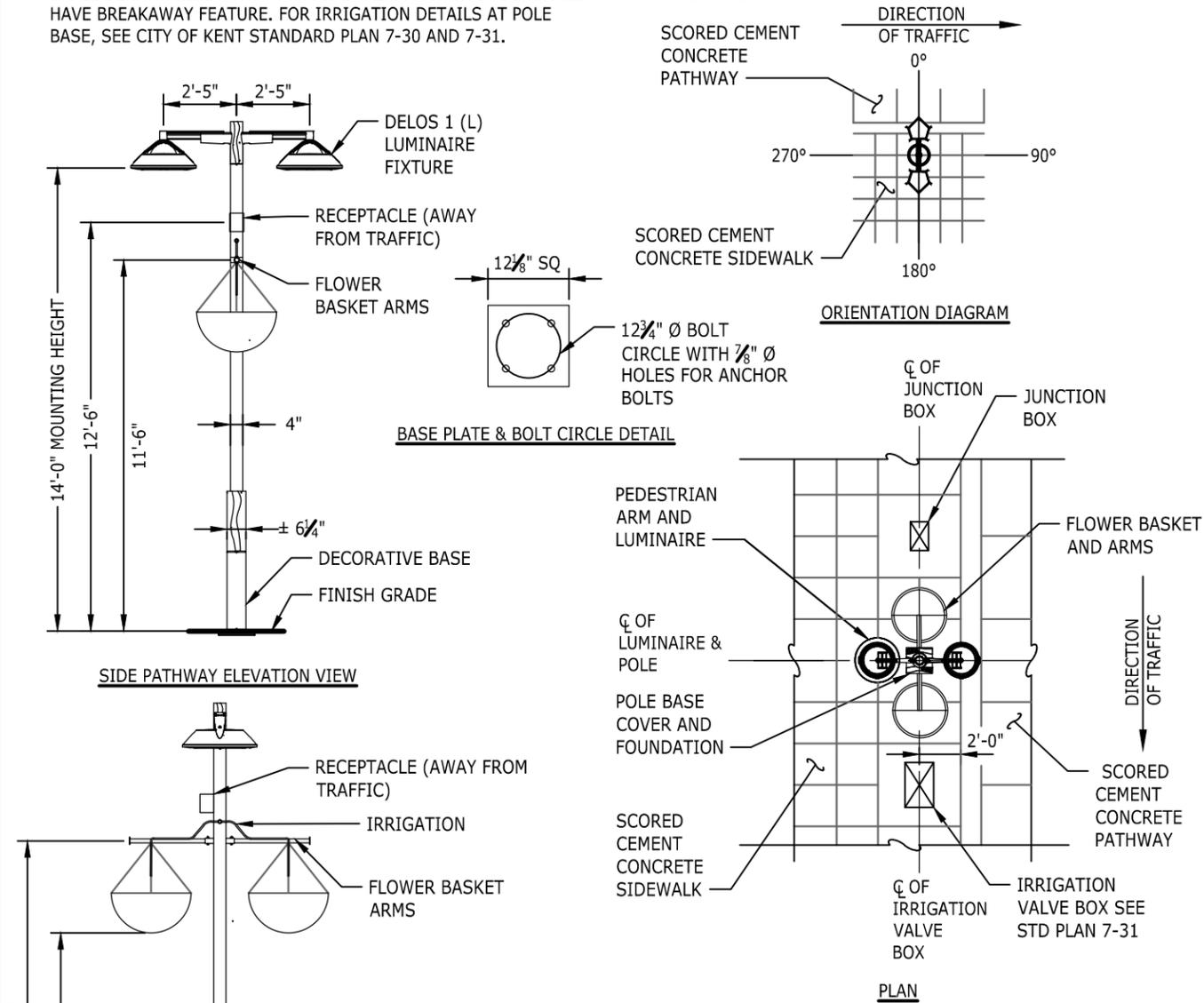
1. ORIENTATION LOCATIONS:
 * HANDHOLE ACCESS DOOR SHALL BE MOUNTED AT 180°
 * RECEPTACLE SHALL BE MOUNTED AT 90°
 * CARFLEX CONDUIT, AND IRRIGATION HOLE SHALL BE MOUNTED AT 90° AND 270°
2. NEW AND EXISTING UTILITIES MUST BE SHOWN ON DEVELOPMENT PLANS WITH APPROPRIATE CLEARANCES. ANY FIELD ADJUSTMENTS MUST BE APPROVED BY CITY
3. FOUNDATION SHALL BE PER CITY OF KENT STANDARD PLAN 6-89. TOP OF FOUNDATION SHALL BE LOCATED BELOW SIDEWALK, AT BOTTOM OF SIDEWALK ELEVATION. LUMINAIRE POLE BASE PLATE SHALL BE INSTALLED ON TOP OF SIDEWALK. ANCHOR BOLTS SHALL HAVE BREAKAWAY FEATURE. FOR IRRIGATION DETAILS AT POLE BASE, SEE CITY OF KENT STANDARD PLAN 7-30 AND 7-31.

LUMINAIRE:

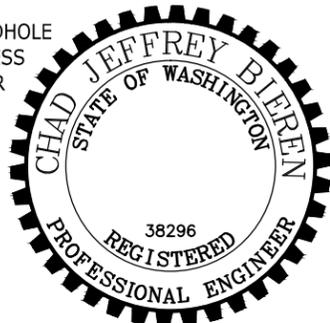
1. LUMINAIRE MANUFACTURER: AEC ILLUMINATION CORP - DELOS 1 LED STU-M 3.5-2M
2. ALUMINUM HOUSING WITH QUICK INSTALLATION SYSTEM (QIS)
3. LED, 3000K CCT, 525mA MAX DRIVE CURRENT, FLAT LENS

PEDESTRIAN LIGHTING:

1. LUMINAIRE ARM, BASE, AND POLE SHALL BE POLYESTER POWDER COAT SYSTEM BY TIGER DRYLAC, WITH ANTI-GRAFFITI PROPERTIES, FEDERAL COLOR #26008, OR APPROVED EQUAL.
2. POLES SHALL BE HOT DIPPED GALVANIZED.
3. FLOWER BASKET ATTACHMENT SYSTEM AND ARMS PER MANUFACTURE.



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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET DUAL PEDESTRIAN LUMINAIRE AND POLE		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	
CHECKED: XXX	ENGINEER	7-24
APPROVED:		

NOTES:

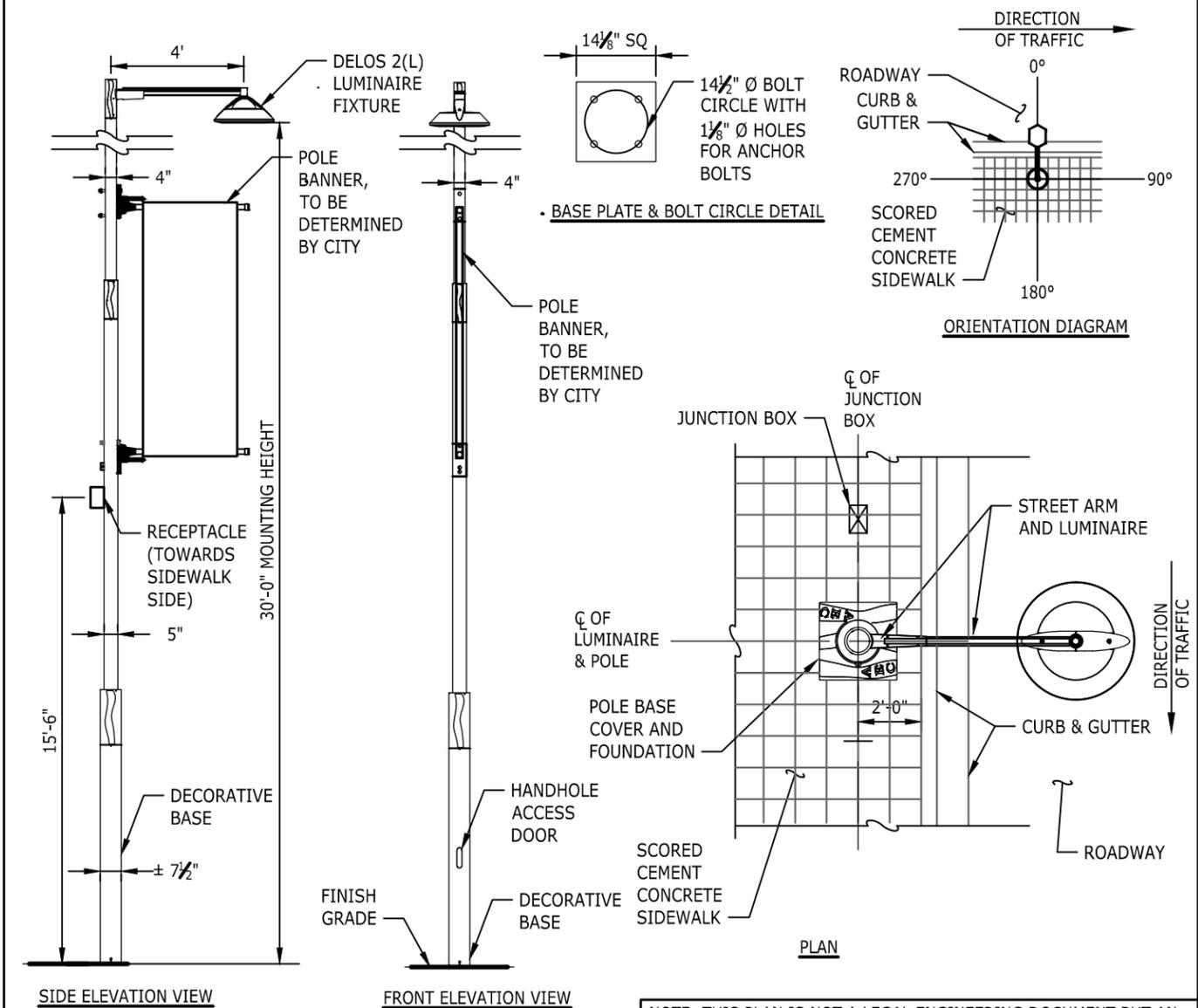
1. ORIENTATION LOCATIONS:
 * HANDHOLE ACCESS DOOR SHALL BE MOUNTED AT 180°
 * RECEPTACLE SHALL BE MOUNTED AT 180°
 * BANNER ARMS SHALL BE MOUNTED AT 0°
2. NEW AND EXISTING UTILITIES MUST BE SHOWN ON DEVELOPMENT PLANS WITH APPROPRIATE CLEARANCES. ANY FIELD ADJUSTMENTS MUST BE APPROVED BY CITY.
3. FOUNDATION SHALL BE PER CITY OF KENT STANDARD PLAN 6-89. TOP OF FOUNDATION SHALL BE LOCATED BELOW SIDEWALK, AT BOTTOM OF SIDEWALK ELEVATION. ANCHOR BOLTS SHALL HAVE BREAKAWAY FEATURE. LUMINAIRE POLE BASE PLATE SHALL BE INSTALLED ON TOP OF SIDEWALK.

LUMINAIRE:

1. LUMINAIRE MANUFACTURER: AEC ILLUMINATION CORP - DELOS 2
2. ALUMINUM HOUSING WITH QUICK INSTALLATION SYSTEM (QIS)
3. LED, 3000K CCT, 525mA MAX DRIVE CURRENT, FLAT LENS

STREET LIGHTING:

1. LUMINAIRE ARM, BASE, AND POLE SHALL BE POLYESTER POWDER COAT SYSTEM BY TIGER DRYLAC, WITH ANTI-GRAFFITI PROPERTIES, FEDERAL COLOR #26008, OR APPROVED EQUAL.
2. POLES SHALL BE HOT DIPPED GALVANIZED.
3. BANNER ARMS ATTACHMENT SYSTEM PER MANUFACTURE.



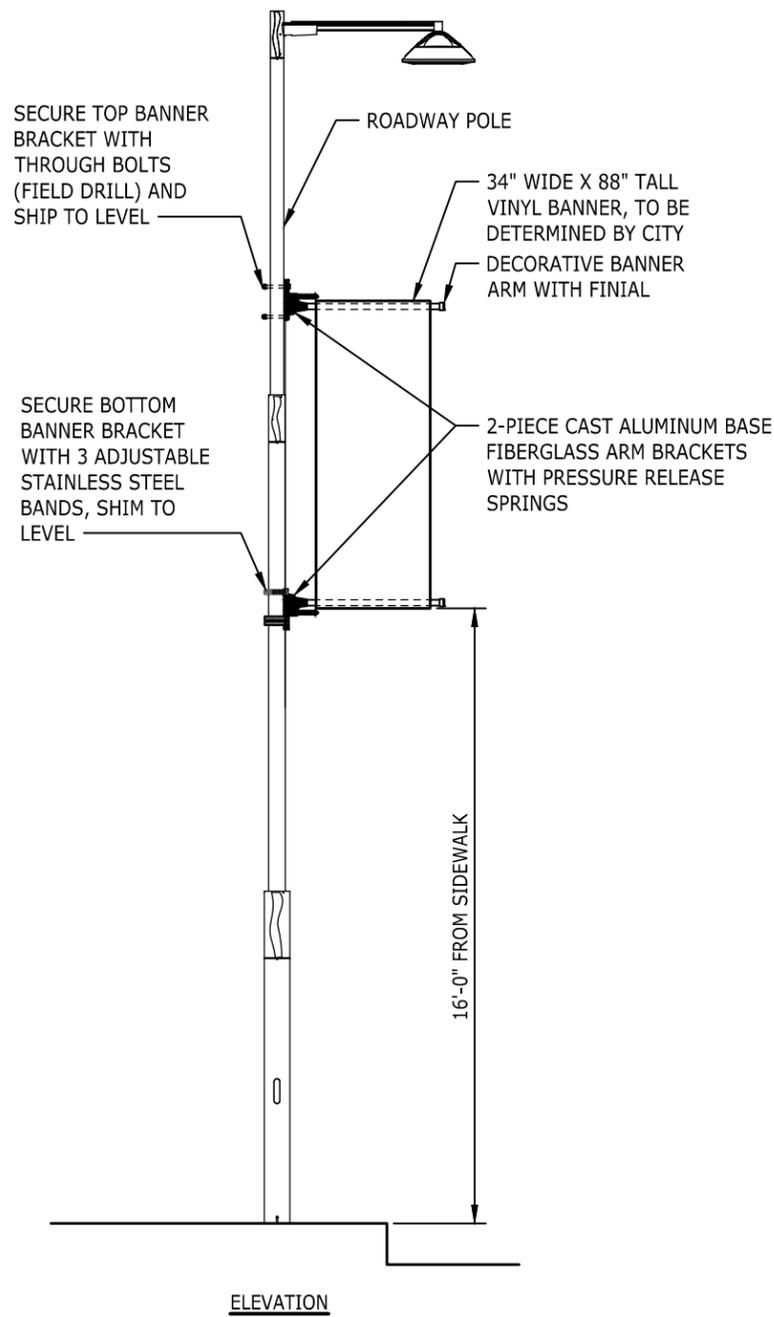
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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET STREET LUMINAIRE AND POLE		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	
CHECKED: XXX	ENGINEER	7-25
APPROVED:		

NOTES:

1. SPRING-LOADED ROADWAY POLE BANNER BRACKET SYSTEM SHALL BE BANNERSAVER PATENT #5388794, OR APPROVED EQUAL.
2. METALLIC POLYESTER POWDER COAT SYSTEM SHALL MATCH POLE COLOR, FEDERAL COLOR # 26008, DARK GREY
3. BANNERS SHALL NOT INTERFERE WITH THE VISIBILITY OF TRAFFIC SIGNALS OR SIGNS OR IDENTIFIED HISTORIC OR ARTISTIC INSTALLATIONS.



ELEVATION

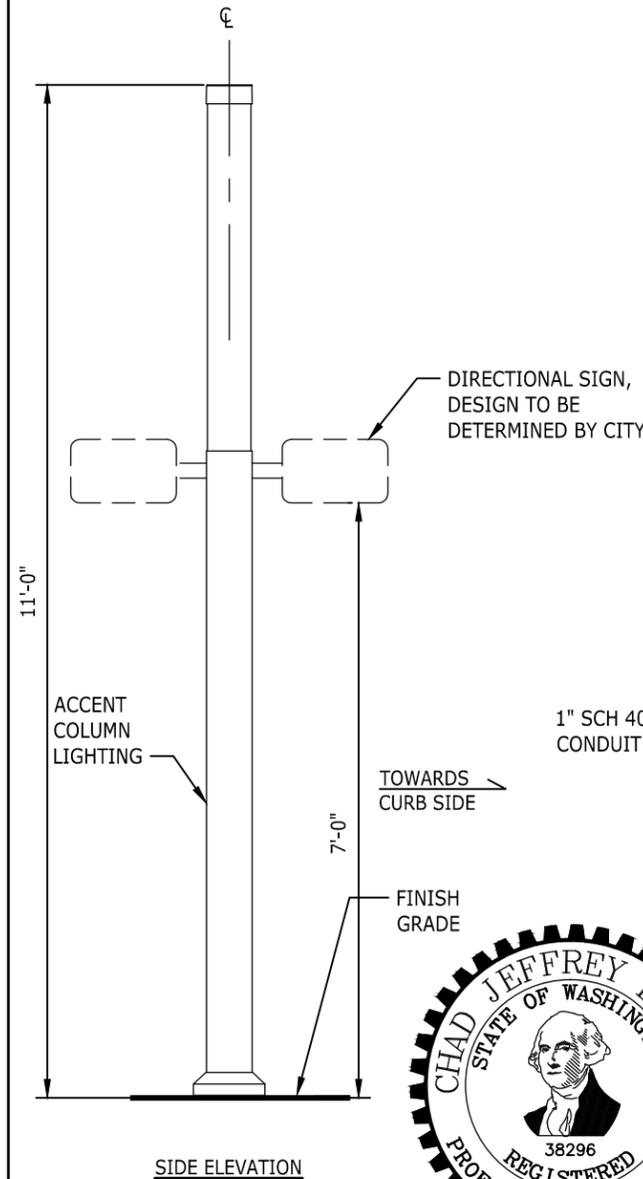


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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET BANNER AND ARMS ON ROADWAY POLES		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	
CHECKED: XXX	DATE: -	
APPROVED: _____	ENGINEER	7-26

NOTES:

1. ACCENT COLUMN LIGHTING SHALL BE ILLUMINATED "LIGHT COLUMN SERIES 600" MODEL LPLCO-612 WITH 180° OR 360° PERFORATED SHIELD, UL, C-UL, ETL AND C-ETL LISTED, BY FORMS+SURFACES, OR APPROVED EQUAL.
2. LED SHALL BE 32W CUSTOM LED LIGHT ENGINE IN 3000K.
3. FINISH SHALL BE STAINLESS STEEL WITH ANTI-GRAFFITI COATING.
4. MANUFACTURER EMBED MOUNT SHALL BE PLUMB AND INSTALLED PER MANUFACTURER INSTRUCTIONS.

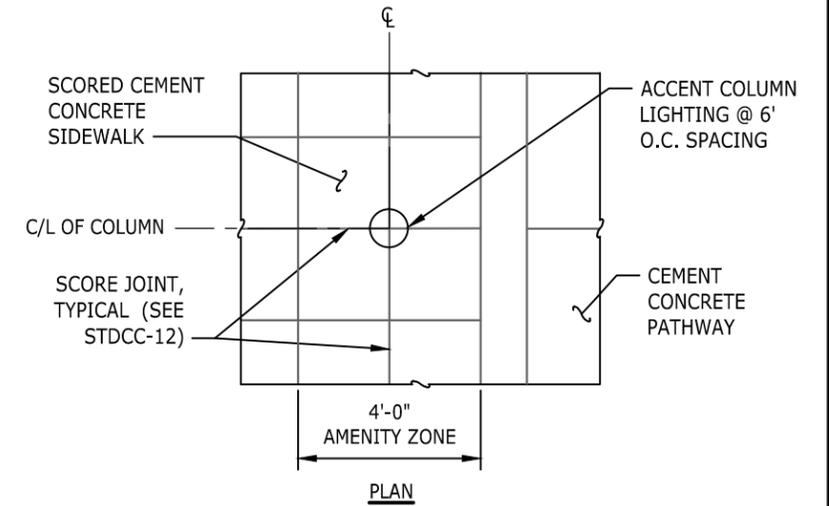


SIDE ELEVATION

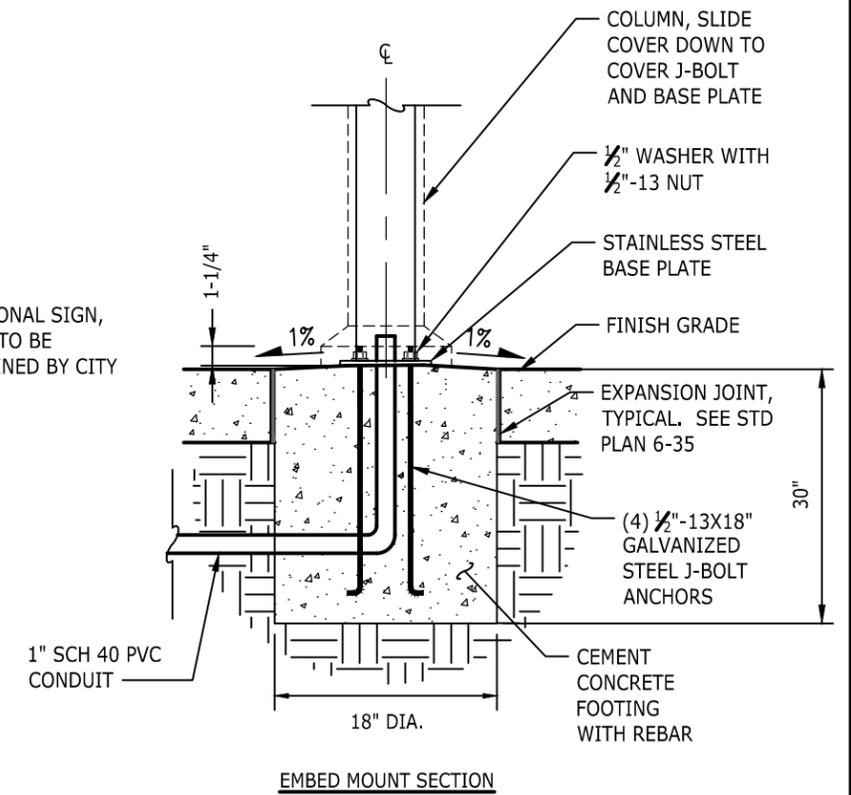


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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET ACCENT COLUMN LIGHTING		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	
CHECKED: XXX	DATE: -	
APPROVED: _____	ENGINEER	7-27



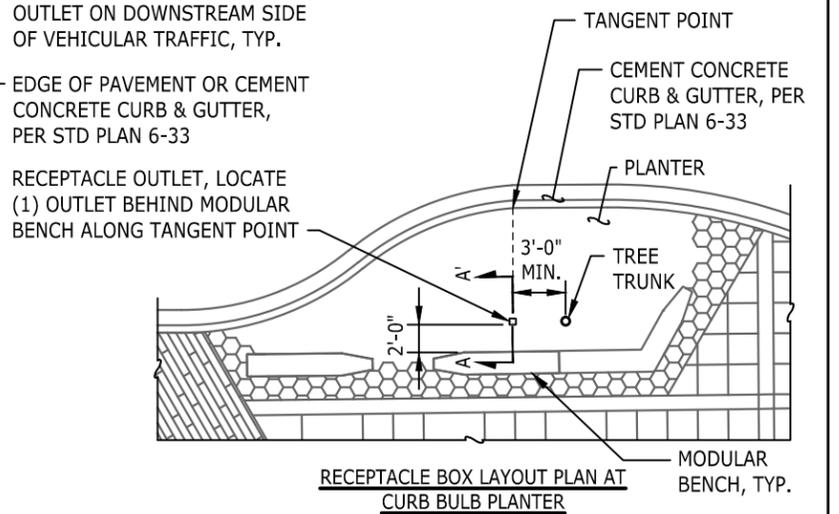
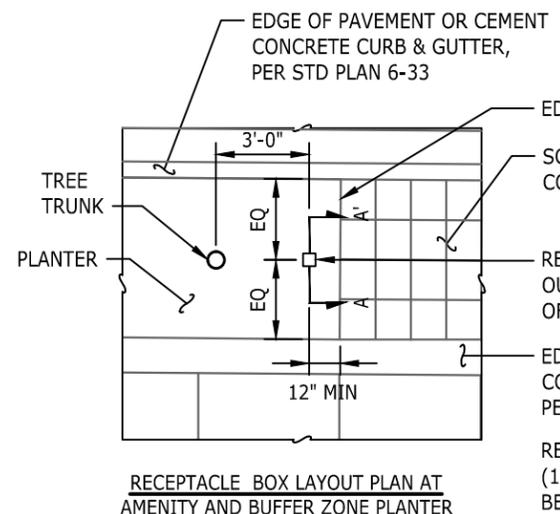
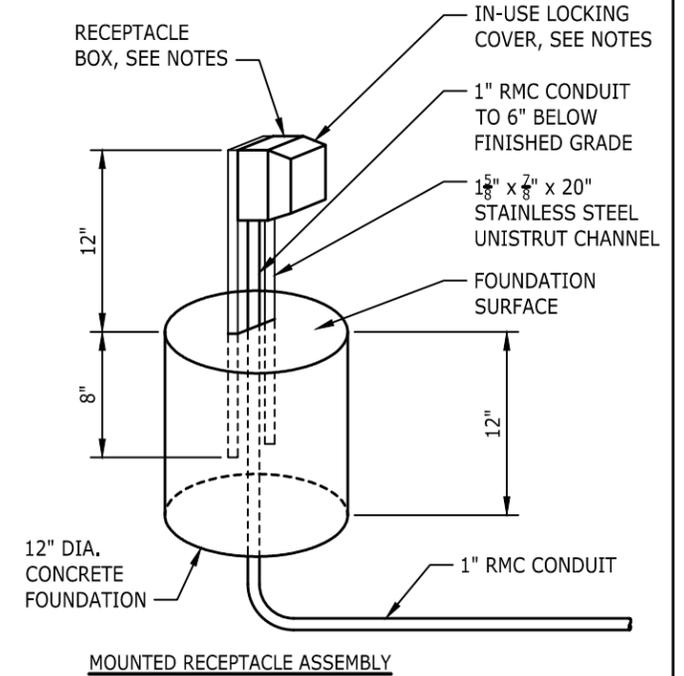
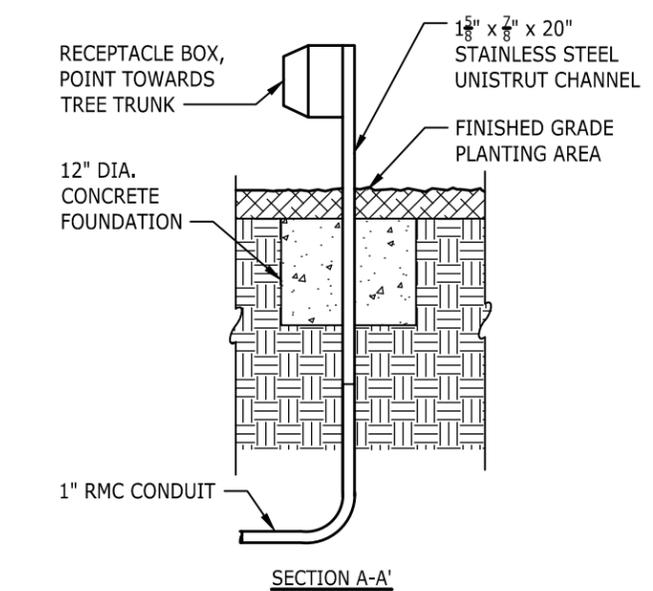
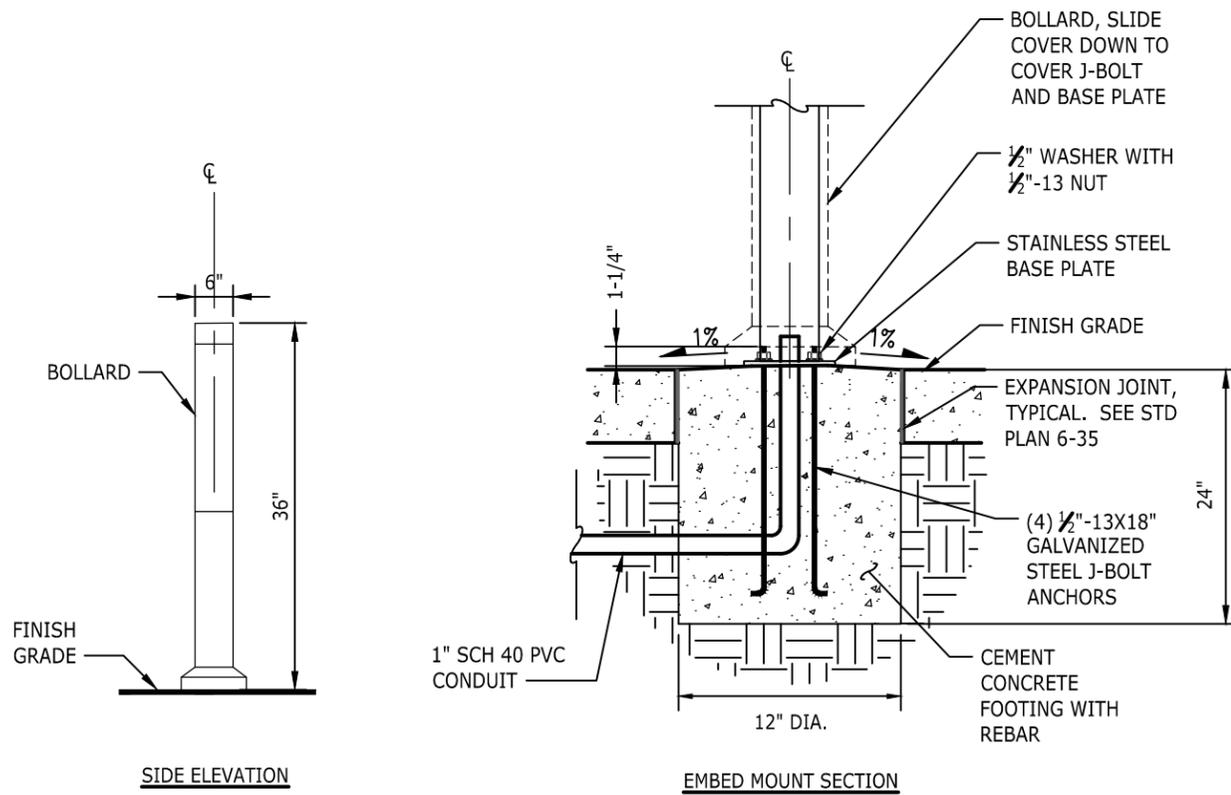
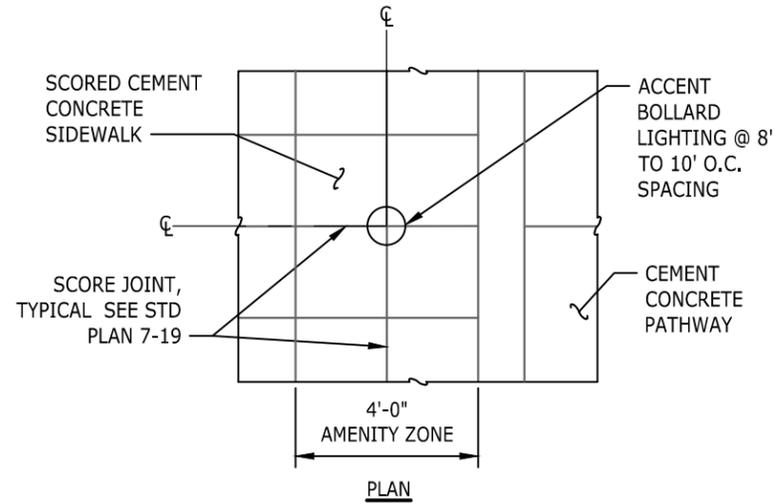
PLAN



EMBED MOUNT SECTION

NOTES:

1. ACCENT BOLLARD LIGHTING SHALL BE ILLUMINATED "LIGHT COLUMN SERIES 500" MODEL LBLCO-504 WITH 180° OR 360° PERFORATED SHIELD, UL, C-UL, ETL AND C-ETL LISTED, BY FORMS+SURFACES, OR APPROVED EQUAL.
2. LED SHALL BE 17W CUSTOM LED LIGHT ENGINE WITH PERFORMANCE CREE® LEDS IN 3000K.
3. FINISH SHALL BE STAINLESS STEEL WITH ANTI-GRAFFITI COATING.
4. MANUFACTURER EMBED MOUNT SHALL BE PLUMB AND INSTALLED PER MANUFACTURER INSTRUCTIONS.



NOTES:

1. RECEPTACLE BOX SHALL BE UL LISTED FOR WET LOCATIONS.
2. RECEPTACLE BOX SHALL HAVE A LOCKABLE DIE CAST NEMA 3R, LOCKING, WEATHERPROOF, IN-USE COVER.
3. RECEPTACLE SHALL BE 20A, 120V HOSPITAL GRADE DUPLEX GFCI RECEPTACLE.
4. RECEPTACLE BOX LAYOUT PLAN AT CURB BULB PLANTER CAN ALSO BE MIRRORED.



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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET ACCENT BOLLARD LIGHTING		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	7-28
CHECKED: XXX	ENGINEER	
APPROVED _____		

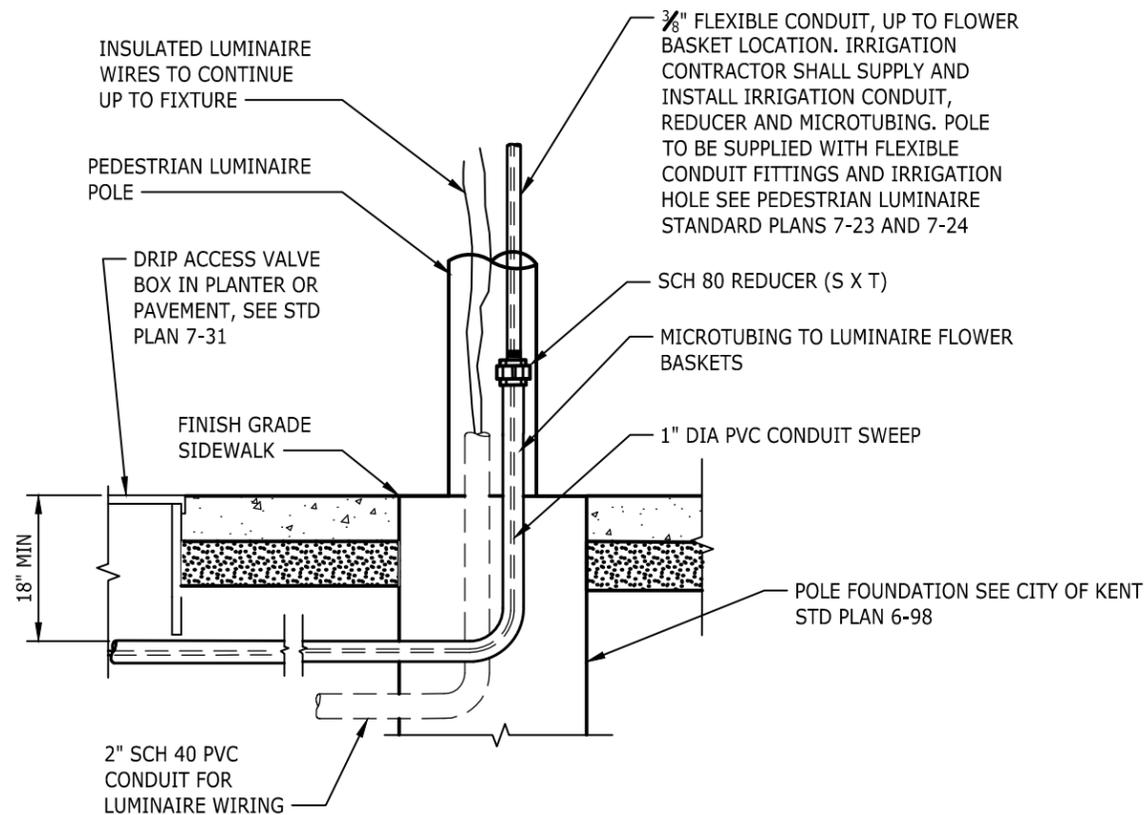


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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET RECEPTACLE OUTLET AT PLANTERS		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	7-29
CHECKED: XXX	ENGINEER	
APPROVED _____		

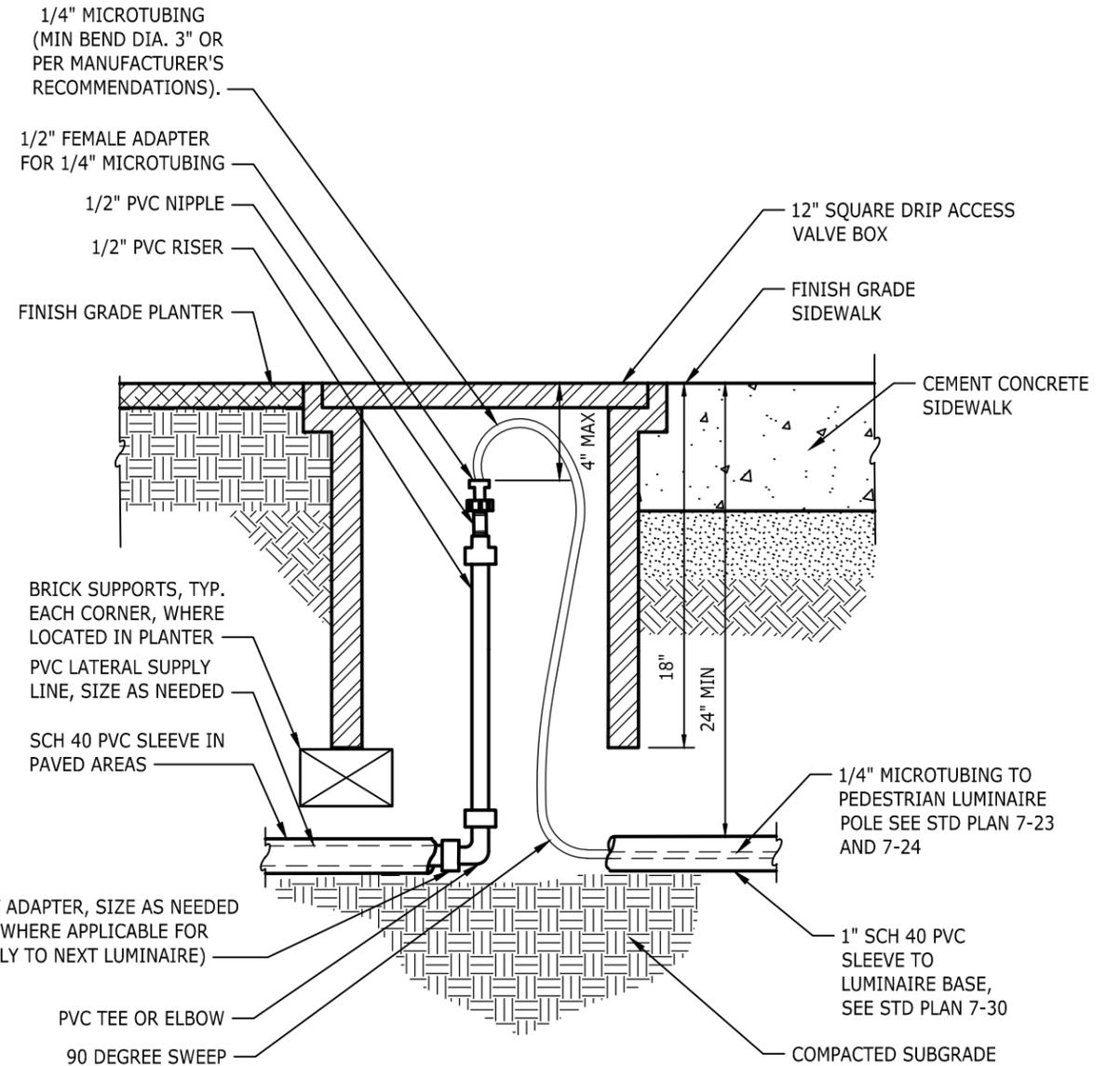
NOTES:

- 1/4" MICROTUBING FOR FLOWER BASKETS IRRIGATION SHALL BE BLACK AND UV RESISTANT.
- WATER EMITTERS FOR FLOWER BASKETS SHALL BE A 360 DEGREE MINI SPRAY EMITTER, CAPABLE OF OPERATING FROM 15 TO 45 PSI, RADIUS OF 18" @ 25PSI (EMITTING APPROX. 10.3 GPH), WITH FLOW ADJUSTMENT AND SHUT OFF OPTION. THE EMITTER SHALL BE SUITABLE FOR 1/4" MICRO TUBING, INSTALLED ON SPIKE. ALL MATERIALS SHALL BE UV STABILIZED. PROVIDE TWO PER FLOWER BASKET.
- DRIP ACCESS VALVE BOXES INSTALLED IN PAVEMENT AND PLANTERS SHALL BE 12"x12"x18" COMPOSITE BODY HD POLYMER CONCRETE COMBINED WITH SHEET MOLDING COMPOUND, RATED FOR INCIDENTAL, NON-DELIBERATE VEHICLE TRAFFIC. COVER AND RING SHALL BE MADE OF HIGH DENSITY LIGHT WEIGHT POLYMER CONCRETE AND SLIP RESISTANT. COVER SHALL BE MARKED PERMANENTLY "IRRIGATION" OR "IRR". LID COLOR SHALL BE GRAY, FLUSH WITH VANDAL PROOF BOLT. PROVIDE 3 KEYS FOR BOLT.
- LOW FLOW VALVE ASSEMBLY SHALL BE COMBINATION OF 3/8" LOW FLOW VALVE SPECIFICALLY DESIGNED FOR DRIP IRRIGATION WITH FLOW OPERATING RANGE OF 0.2 TO 5.0GPM, INLET PRESSURE 20-150PSI AND COMBINED 3/8" PRESSURE-REGULATING FILTER, LOW FLOW VALVE SHALL BE CAPABLE OF HANDLING PARTICLES AT LOW FLOW RATE. LOW FLOW VALVE AND PRESSURE-REGULATING FILTER SHALL HAVE REGULATED PRESSURE OF 30PSI AND 200 (STAINLESS STEEL) MESH FILTRATION.
- FURNISH AND INSTALL TUBING FROM PAVEMENT OR PLANTING AREA VALVE BOX CONNECTION TO LUMINAIRE POLE AND UP TO ACCESS HOLE PROVIDED FOR MICROTUBING AT FLOWER BASKET ARMS. SPLIT SUPPLY LINE OUTSIDE POLE WITH 1/4" BARBED TEE TO SUPPLY MICROTUBING TO EACH HANGING BASKET. COIL 3' EXCESS (MIN.) MICROTUBING TO EACH BASKET LOCATION. TIE TUBING TO BASKET ARMS NEATLY WITH BLACK WIRE TIES OR OTHER APPROVED FASTENER.
- FURNISH REQUIRED NUMBER OF DRIP EMITTERS AND SPIKES FOR FLOWER BASKETS
- APPLIES TO STREETScape TYPES 3 CORE AND 4.



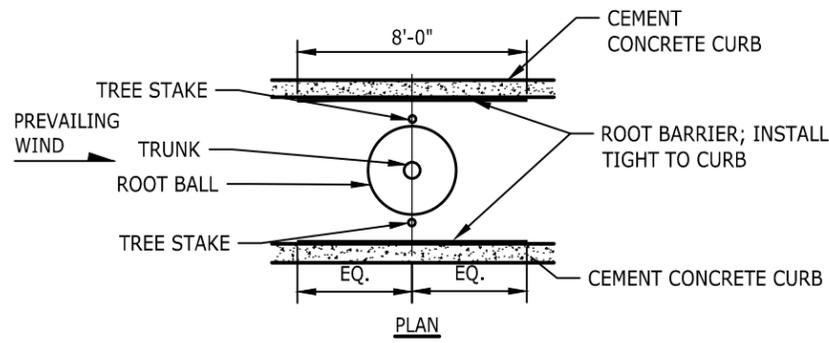
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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET FLOWER BASKET IRRIGATION		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	7-30
CHECKED: XXX	ENGINEER	
APPROVED _____		



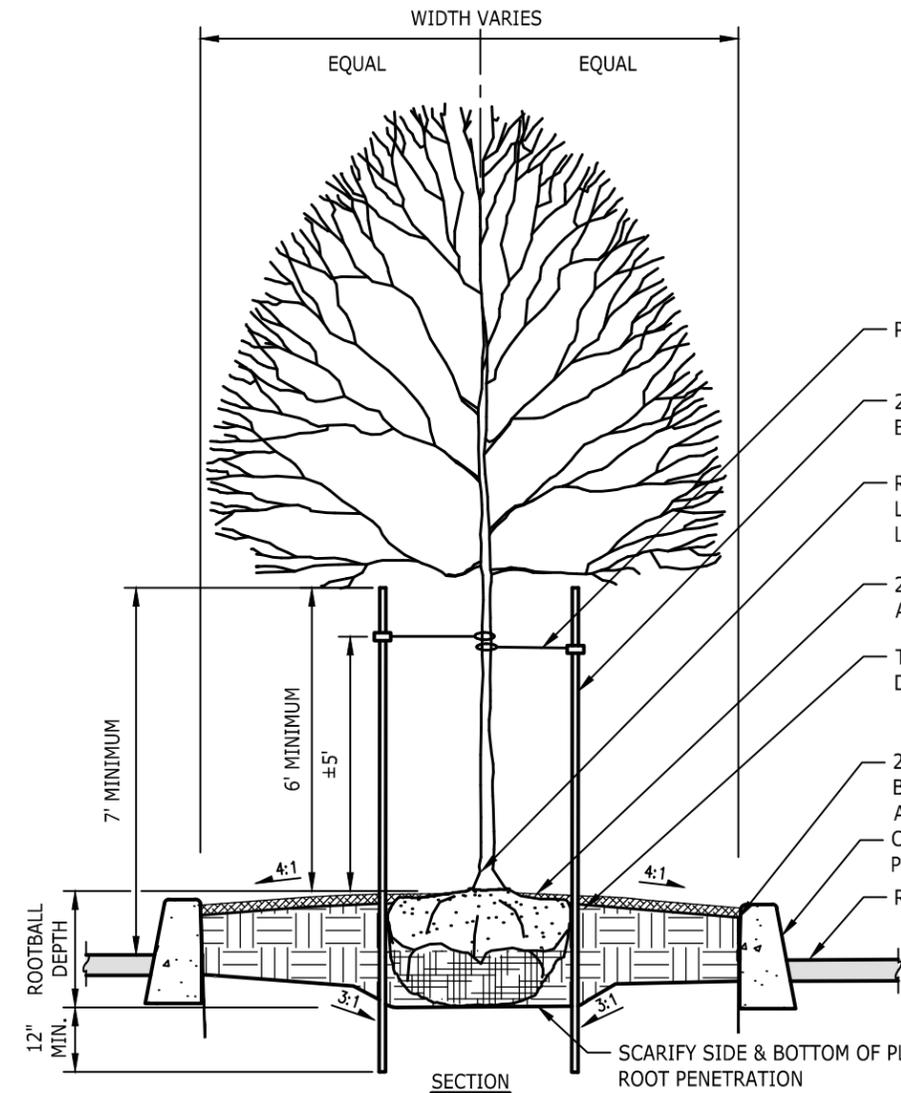
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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET FLOWER BASKET VALVE ACCESS BOX		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	7-31
CHECKED: XXX	ENGINEER	
APPROVED _____		



NOTES:

1. TREE PIT SHALL NOT BE LESS THAN (3) TIMES ROOT BALL DIA.
2. CUT ALL TIES AND FOLD BACK BURLAP FROM UPPER 1/3 OF ROOTBALL.
3. REMOVE ALL PLASTIC AND TWINE.
4. WATER THOROUGHLY AFTER PLANTING TREE STAKES PERPENDICULAR TO PREVAILING WIND.
5. PLANT TREES 1" HIGHER THAN DEPTH GROWN IN NURSERY.
6. REMOVE TREE STAKING AFTER ONE YEAR.
7. FOR RECOMMENDED TREE SPECIES REFER TO LANDSCAPE STANDARDS IN THE MEEKER STREET STREETSCAPE DESIGN DOCUMENT.

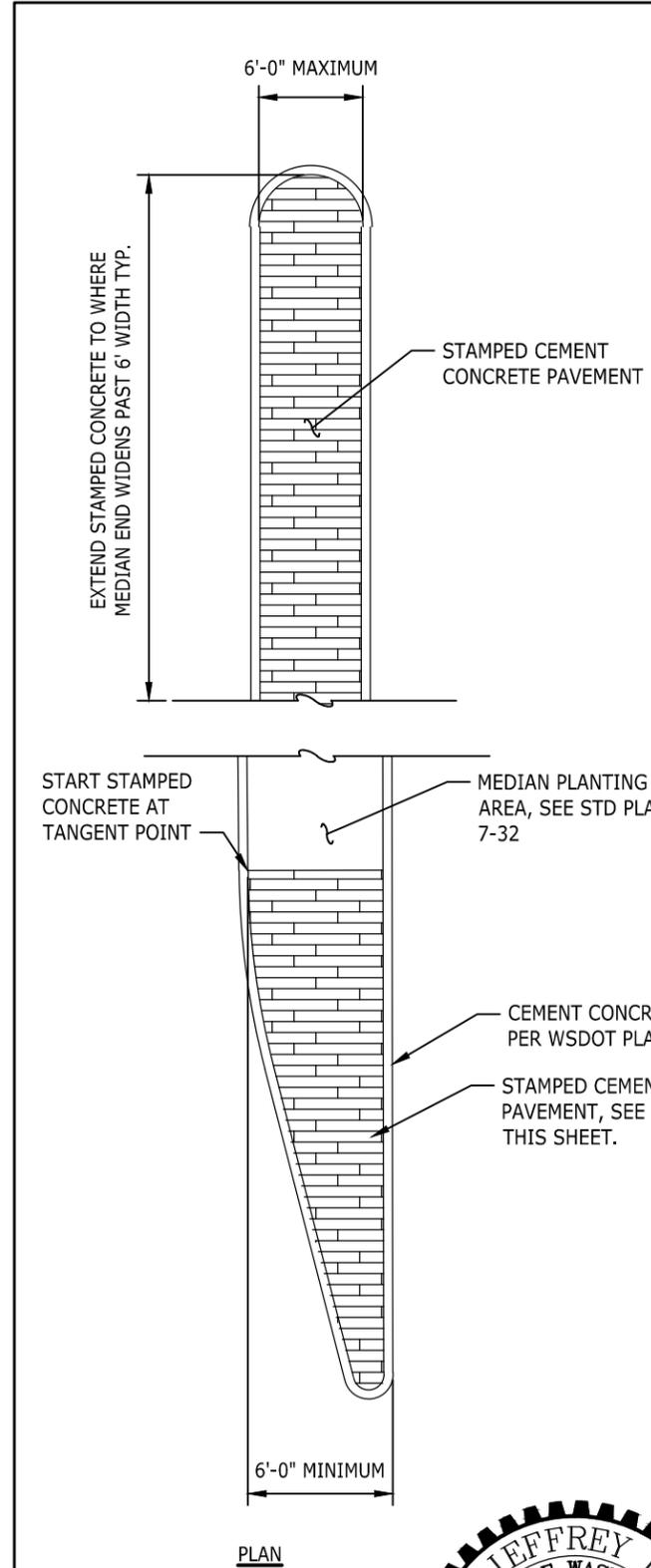


SECTION

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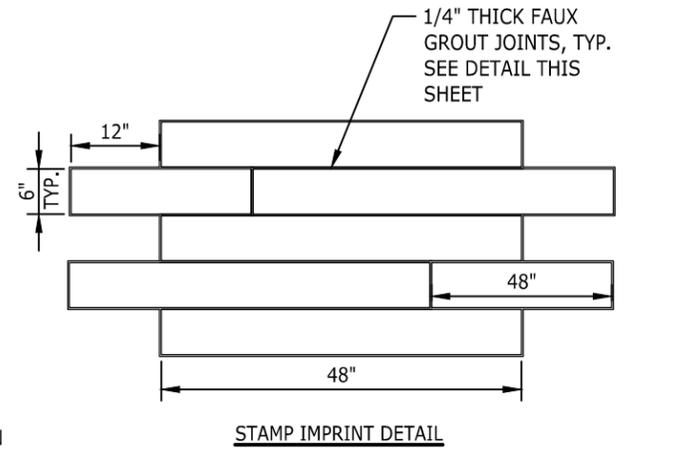


CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET CENTER MEDIAN TREE PLANTING		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	7-32
CHECKED: XXX	ENGINEER	
APPROVED: _____		

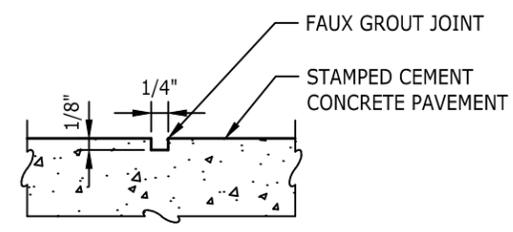


NOTES:

1. STAMPED CEMENT CONCRETE PAVEMENT PATTERN AND COLOR SHALL BE CITY APPROVED.
2. STAMPED PATTERN INSIDE JOINTS SHALL HAVE APPEARANCE OF A CLEAN GROUT JOINT APPROXIMATELY 3/8" WIDE AND 3/8" DEEP.
3. EXPANSION JOINTS SHALL BE 10 FEET APART.



STAMP IMPRINT DETAIL



FAUX GROUT JOINT SECTION

PLAN



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CITY OF KENT ENGINEERING DEPARTMENT		
MEEKER STREET CENTER MEDIAN STAMPED CONCRETE LAYOUT		
DESIGNED: XXX	SCALE: NONE	STANDARD PLAN
DRAWN: XXX	DATE: -	7-33
CHECKED: XXX	ENGINEER	
APPROVED: _____		