Ruston Way Design Booklet
Drawings and Specifications for Unifying Design Elements
City of Tacoma, Washington
The unifying design elements listed below are recommended in the Ruston Way Plan to promote consistency and continuity along the Ruston Way shoreline.

These unifying design elements are intended to be incorporated into proposed Ruston Way waterfront projects wherever possible and appropriate. Detailed drawings and general specifications of these unifying design elements have been prepared to assist the development and design of proposed projects. Consideration of unifying design elements is an important part of project and shoreline permit review. These drawings may be updated periodically to reflect changes in projects or needs.

### Unifying Design Elements

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This Design Guide for Ruston Way Projects is an administrative guide to assist the processing of shoreline permits for public and private development projects along Ruston Way.

It provides:

1. A listing of unifying design elements and design considerations as recommended by the Ruston Way Plan.

2. An outline of the permit process in which these elements and considerations become a part of an approved shoreline project.

This guide is intended to be used in conjunction with processing Shoreline Management Substantial Development Permits, and to assist in achieving the overall goal and individual intents and policies of the Ruston Way Plan and the City's adopted Master Program for Shoreline Development.

The Ruston Way Plan was adopted due to the sensitive nature of this shoreline area and its extensive redevelopment potential. The Plan emphasizes the importance of public and private sectors coordinating their redevelopment efforts in order to achieve well-designed, compatible developments and a sense of continuity along the entire Ruston Way shoreline. The Plan recommends the use of certain unifying design elements and compatible materials in new developments to create a continuous physical and visual image and to achieve the desired Pacific Northwest marine area character. It is not the intent to make every development on Ruston Way appear alike, but rather it is intended that all developments, both public and private, be compatible in design and character.

The following is a generalized procedure outlining the permit process and also a copy of a checklist of unifying design elements and other design considerations.

For further information contact the Planning Department at 591-5363.
Ruston Way Permit Process

1. **Preapplication conferences between the project sponsor and the Planning Department** to discuss the project sponsor's proposals, the Ruston Way permit process, and the unifying design elements and the other design considerations are encouraged. The project sponsors are asked to bring a copy of their conceptual development plans so the Planning Department may provide a preliminary assessment as to which design elements may be recommended as part of the permit. Detailed drawings of the design elements are available from the Planning Department to aid the development of the project from the early conceptual and design stages in accordance with the Ruston Way Plan.

2. **Review of the project sponsor's plans prior to the submittal of a shoreline permit application** is conducted by the Planning Department to determine if the necessary design elements and other necessary details have been included. Additional meetings with the project sponsors may be required to discuss the design elements necessary to achieve consistency with the Ruston Way Plan.

3. **Initiation of the shoreline permit process** will occur once the shoreline permit application for the Ruston Way area is received by the Planning Department. The Shoreline Permit Administrator and the Urban Design Planner review the submitted plans and complete the Ruston Way checklist for unifying design elements and other design considerations as appropriate for the proposed project. The checklist becomes part of the applicant's shoreline permit file and will be used to compile Planning Department recommendations concerning unifying design elements, Hearings Examiner's conditions and record shoreline inspector's verification of installation of these elements.

4. **Formulation of the Planning Department's recommendations** on the shoreline permit application shall be developed by the Shoreline Permit Administrator incorporating the unifying design elements and other design considerations which are appropriate for the project, and transmitted to the Hearings Examiner. These recommendations, as the Hearings Examiner deems appropriate, may be conditioned to the shoreline permit approval and the Landscape Plan approval. The appropriate unifying design elements are required to be shown on the Landscape Plan. Specifications and drawings of the other design considerations are required to be attached to the Landscape Plan.

5. **Review of the submitted landscape plan and the general site and building permit plans** shall be done by the Shoreline Administrator, Shoreline Inspector, Urban Design Planner, Landscape Architect, and Public Works Representatives once a shoreline permit has been approved. The plans are checked for compliance with the Hearings Examiner's determination and special conditions of approval for the shoreline permit pertaining to the unifying design elements and the other design considerations.

6. **Verification of the installation of design elements and design considerations** at the project site prior to and during construction stages and again prior to the issuance of a final as well as temporary occupancy permit shall be conducted by the Shoreline Inspector using a copy of the final approved checklist and plans. If discrepancies occur, enforcement action including on-site correction will be required. Once the checklist has been compiled with and installation has been verified, the checklist is completed and filed in the shoreline permit file.
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Huston Way Checklist
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**Other Design Considerations:**

BENCH WITH NO BACK
- RECTANGULAR
- SQUARE
FOR USE WITH TABLE
SEE SHEET TA-1.

Square Bench With No Back

Type A

Rectangular Bench With No Back

Type B

NOTE: REFER TO SPECIFICATIONS

Any substitutions or modifications must be reviewed and approved by the Planning Department, prior to construction, preferably during the design stage of a proposed project.
DARK BROWN WOOD SEAT
WITH COMFORTABLE BACK
EXTERIOR USE
- CEDAR
- RED WOOD

BLUE METAL SUPPORT STRUCTURES

Type C

SOURCE:
AVAILABLE FROM SEVERAL MANUFACTURERS

Any substitutions or modifications must be reviewed and approved by the Planning Department, prior to construction, preferably during the design stage of a proposed project.
Basic Bollard - Embedded

Basic Bollard - Attached To Deck

NOTE: REFER TO SPECIFICATIONS

Any substitutions or modifications must be reviewed and approved by the Planning Department, prior to construction, preferably during the design stage of a proposed project.
City of Tacoma
Ruston Way Design Elements

Custom-Built

BO-2

SIGN BOLLARD

- SINGLE SIGN
- DOUBLE SIGN

SEE SHEET L-2

Single Sign Bollard

Double Sign Bollard

NOTE: REFER TO SPECIFICATIONS

Any substitutions or modifications must be reviewed and approved by the Planning Department, prior to construction, preferably during the design stage.
BARRICADE BOLLARD

- CHAIN ATTACHMENT
- RAILING POST

FOR BASIC BOLLARD DESIGN - SEE SHEETS BO.1

Barricade Bollard With Chain

Bollard As Railing Post

NOTE: REFER TO SPECIFICATIONS

Any substitutions or modifications must be reviewed and approved by the Planning Department, prior to construction, preferably during the design stage of a proposed project.
MISCELLANEOUS BOLLARD

• SEATING BOLLARD
• LIGHTING BOLLARD

FOR LIGHTING FIXTURE
SEE SHEET L·2

Lighting Bollard

Seating Bollard

Note: Refer to Specifications

Any substitutions or modifications must be reviewed and approved by the Planning Department, prior to construction, preferably during the design stage of a proposed project.
BICYCLE PARKING

- DOUBLE BICYCLE BOLLARD
- BICYCLE RACK

FOR BOLLARD DESIGN
SEE SHEET BO-1

FOR SIGN DESIGN
SEE SHEET SI-1

Double Bicycle Bollard

Bicycle Rack

NOTE: REFER TO SPECIFICATIONS

Any substitutions or modifications must be reviewed and approved by the Planning Department, prior to construction, preferably during the design stage of a proposed project.
BICYCLE PARKING

STEEL CHAIN (2)
STEEL PIPE - BLUE

BOLTED OR EMBEDDED IN PAVEMENT

SOURCE: SEVERAL MANUFACTURER'S AVAILABLE

Any substitutions or modifications must be reviewed and approved by the Planning Department, prior to construction, preferably during the design stage of a project.
City of Tacoma
Ruston Way Design Elements
Custom-Built

BICYCLE PATH

10'-0"  CONCRETE EDGE

2" ASPHALT

AGGREGATE BASE

DESIGN SPEED - 18 MPH
RADIUS OF CURVATURE - 50'
WIDTH - 10'

Any substitutions or modifications must be reviewed and approved by the Planning Department, prior to construction, preferably during the design stage of a proposed project.
City of Tacoma
Ruston Way Design Elements

Catalogue Item

DRINKING FOUNTAIN WITH HANDICAP FEATURE

- EXTENSION ARM
- EXPOSED AGGREGATE CONCRETE FIXTURE

DIMENSIONS SHOULD CONFORM TO THE WASHINGTON STATE HANDICAP CODE

Any substitutions or modifications must be reviewed and approved by the Planning Department, prior to construction, preferably during the design stage of a proposed project.
OVERHEAD LIGHTS

- STREET LIGHTS
- PARKING LOT AND AREA LIGHTS

Street Lights

- Rectangular fixture with flat luminaire
- Threed square concrete standard (dark brown) 30 ft. height
- Built-in glaze and pattern control (vandal resistant globes)

Parking Lot and Area Lights

- Fixture: small circular chandelier
- Standard: wood, aluminum, fiber glass pole, concrete as appropriate
  (color: dark brown)

Any substitutions or modifications must be reviewed and approved by the Planning Department prior to construction, preferably during the design stage of a proposed project.
LIGHTING FIXTURE FOR BOLLARD LIGHT

FOR BOLLARD LIGHT STANDARD
SEE SHEET BO-4

LIGHT FIXTURE UNDER REVIEW FOR BOLLARD LIGHT IS

Any substitutions or modifications must be reviewed and approved by the Planning Department, prior to construction, preferably during the design stage.
LANDSCAPING

- TREES

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- SHRUBS AND GROUND COVERS

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<tr>
<th>Shrub</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arbutus unedo</td>
<td>Strawberry Madrone</td>
</tr>
<tr>
<td>Artostaphylos uva-ursi</td>
<td>Kinnikinnick</td>
</tr>
<tr>
<td>Ceanothus sp.</td>
<td>Ceanothus</td>
</tr>
<tr>
<td>Cistus sp.</td>
<td>Rockrose</td>
</tr>
<tr>
<td>Cotoneaster sp.</td>
<td>Cotoneaster</td>
</tr>
<tr>
<td>Cytisus sp.</td>
<td></td>
</tr>
<tr>
<td>Elaeagnus sp.</td>
<td></td>
</tr>
<tr>
<td>Escallonia sp.</td>
<td>Escallonia</td>
</tr>
<tr>
<td>Euonymus japonica</td>
<td></td>
</tr>
<tr>
<td>Gaultheria shallon</td>
<td>Salal</td>
</tr>
<tr>
<td>Genista sp.</td>
<td></td>
</tr>
<tr>
<td>Juniperus sp.</td>
<td>Juniper</td>
</tr>
<tr>
<td>Lonicera nitida, pileata</td>
<td>Box, Privet Honeysuckle</td>
</tr>
<tr>
<td>Mahonia sp.</td>
<td></td>
</tr>
<tr>
<td>Myrica sp.</td>
<td>Myrtle</td>
</tr>
<tr>
<td>Polysticum munitum</td>
<td>Western Sword Fern</td>
</tr>
<tr>
<td>Rhododendron sp.</td>
<td>Rhododendron, Azalea</td>
</tr>
<tr>
<td>Rosemarinus sp.</td>
<td>Rosemary</td>
</tr>
<tr>
<td>Vaccinium sp.</td>
<td></td>
</tr>
<tr>
<td>Viburnum sp.</td>
<td>Viburnum</td>
</tr>
</tbody>
</table>

Recommended Street Tree: Acer Pseudoplatanus

*Any substitutions or modifications must be reviewed and approved by the Planning Department, prior to construction, preferably during the design stage of a proposed project.*
The following is the City of Tacoma Public Works Department, Engineering Division policy concerning riprap seawall design and construction.

All riprap seawalls within the City of Tacoma shall be designed and constructed in accordance with the Shoreline Protection Manual, Volume I, II, II, published by the U.S. Army Coastal Engineers Research Center, 1973. A copy of this document can be obtained by writing:

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402
Stock No. 0822-00077

The manuals are also available for use at the Tacoma Public Library.

The design wave height for Commencement Bay is 4.7 feet. The maximum slope of the riprap shall not exceed 1-1/2 horizontal to 1 vertical. All rock used to construct the seawall shall meet the following minimum requirements:

1. Specific Gravity - 2.65 minimum
2. Absorption - Not more than 3.0% (Corps of Engineers CRD-C-107)
3. Accelerated Expansion - Not more than 15% breakdown (CRD-C-148) (15 days)
4. Soundness - Not greater than 5% loss (MgSO4 at 5 cycles) (CRD-C-157)

Test results from a certified laboratory showing that the rock used in the seawall meets the above requirements shall be submitted to the City for approval.

All riprap seawalls shall be designed by a licensed professional engineer registered in the State of Washington and shall be submitted to the City for approval. The design engineer shall inspect the construction of the seawall to certify that it is built in accordance with the approved design. The engineer's written certification shall be submitted to the City within 15 days from the date of completion.

Any substitutions or modifications must be reviewed and approved by the Planning Department prior to construction, preferably during the design stage of a proposed project.
INTERNATIONAL SIGN SYMBOLS
RUSTON WAY SIGN

International Sign Symbols

USE THE FOLLOWING SIGN SYMBOLS FOR PUBLIC AND PRIVATE DEVELOPMENT

VIEWING AREA  HIKING TRAIL  GROCERY STORE
FISHING  TRAIL SHELTER  FOOD SERVICE
SCUBA DIVING  ROW BOATING  PICNIC AREA
SAIL-BOATING  MOTOR-BOATING  TELEPHONE
BICYCLE TRAIL  MARINA  HANDICAPPED
RESTROOMS  PARKING  INTERPRETIVE TRAIL

Ruston Way Logo and Sign

LEGEND

NO.  ISO-NBS DESIGNATION  MUNSELL notations
132  DEEP YELLOW GREEN  0.98 3.5/90
177  BRILLIANT BLUE  1.6PB 8.4/9.4
179  DEEP BLUE  2.6PB 25/7.9
67  BRILLIANT ORANGE-YELLOW  0.1T 8.1/10.5

NOTE: REFER TO SPECIFICATIONS

Any substitutions or modifications must be reviewed and approved by the Planning Department prior to construction, preferably during the design stage of a proposed project.
City of Tacoma
Ruston Way Design Elements

SI-2
SIGN DISPLAY

- INDIVIDUAL ACTIVITY SIGNS
- BOLLARDS - SEE SHEET BO-2

SEE SHEET S-1

NOTE: REFER TO SPECIFICATIONS
TA - 1

WOODEN TABLE

- SQUARE
- RECTANGULAR

Table Bench Relationship - Section

Square Table - Plan View

Rectangular Table - Plan View

Any substitutions or modifications must be reviewed and approved by the Planning Department, prior to construction, preferably during the design stage of a proposed project.
TABLE WITH BENCHES

- RECTANGULAR - BENCH
- SQUARE - BENCH

Square Table With Four Square Benches

Rectangular Table With Two Square and Two Rectangular Benches

2x4 Wood Header

SQUARE
TABLE B
SEE SHT TA-1
BENCH A
SEE SHT BE-1

CRUSHED ROCK
OR CONCRETE

DELETE ONE
BENCH FOR HANDICAP
SEATING

Note: Refer to specifications

Any substitutions or modifications must be reviewed and approved by the Planning Department, prior to construction, preferably during the design stage of a project.
PICNIC TABLE AND BENCHES

NOTE: REFER TO SPECIFICATIONS

Any substitutions or modifications must be reviewed and approved by the Planning Department, prior to construction, preferably during the design stage of a proposed project.
TRASH RECEPTACLES

- 3/4" STEEL CAP
- GRIND ALL CUT EDGES SMOOTH
- 2.0" STEEL PIPE 3/8" WALL
- (2A-12-12) PAINT NAVY BLUE
- 12" Ø LITTER ACCESS
- 1½" x 1½" x 1½" MATCHED PROOCH CUPS WELDED TO DOOR & BODY
- SPLICE 1/2" Ø FOR LOCK
- WELD TO MATCH
- FLAME CUT HAT SECTION OF PIPE FOR DOOR AS SHOWN, WELD (3) 1" LONG X 1½" Ø NOM. STL PIPE PERKINS WELD ALTERNATELY TO NOM. HINGE USE 3/8" Ø S/S ROO FOR HINGE
- 3/4" STEEL PLATE SHELF
- 1" Ø HOLE IN CENTER TRASH

e) 2x8 TREATED D.F. 16" OC.
- f) 3x8 CAVY LAG BOLTS

NOTE: REFER TO SPECIFICATIONS

Any substitutions or modifications must be reviewed and approved by the Planning Department prior to construction, preferably during the design stage of a proposed tender.
### Specifications for Custom Built Items

**Bench - Type "A", "B" and "C"**

- **Preservative Treatment:**
  - Note: All wood members shall meet the grading rules of the Western Wood Products Association.

- **Dimensional lumber:**
  - Douglas Fir SJG select no. 1.

- **Preservative Treatment:**
  - Light solvent 0.06 lbs. per cubic ft. retention (monitored) applied in conformance with APWA standards or approved equal.

- **Finishing Treatment:**
  - Tint color of Olympic stain 770 or approved equal.

- **Nail, Washer, Framing, Anchors and Fasteners:**
  - Hot dipped galvanized or per ASTM A 123.

- **Sealants:**
  - Conform to ASTM A 451.

- **Bolt:**
  - Conform to ASTM A 497.

- **Preservative Treatment:**
  - Note: All ferrous metal is primed with one coat of PPG No. 2120 and two coats of approved equal.

**Bollard (custom built)**

- **Preservative Treatment:**
  - Custom proper length.
  - Chemiplan AAG 0.06 lbs. per cubic ft. retention. Applied in conformance with APWA standards or approved equal.

**Miscellaneous Metals (custom built)**

- **Metal Fencing:**
  - We quoted.
  - Delivered to site with a galvanized or painted surface treatment of 2 coats of PPG No. 4040 Rustoleum specialty primer or approved equal.

**Signs**

- **Signs:**
  - Use colors specified on drawings.

- **Colors:**
  - Match colors for signs with paint colors listed below.

  - **Sign:**
    - Yellow - PPG Paint Yellow 7258
    - Green - PPG Paint Green 7258
    - Black - PPG Paint Black 7258

### Project Staff

<table>
<thead>
<tr>
<th>Acting Director:</th>
<th>Project Supervisor:</th>
</tr>
</thead>
<tbody>
<tr>
<td>George A. Hovik</td>
<td>Joseph A. Quallie</td>
</tr>
</tbody>
</table>

### Project Design Team

- Bartlett Alford
- R. Scott Pierson
- Joan Lawson
- Scott Blake

*Summer intern student.*

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The Planning Department does not discriminate on the basis of handicap in any of its programs or services. Upon request, special accommodations will be provided.