Basis of Design

This section applies to the design and construction of sidewalks and curb ramps.

Design Criteria

- Sidewalks at the University of Washington are used by both pedestrians and light trucks.
- Sidewalks can be constructed using concrete or asphalt. Concrete sidewalks shall be Class 5 (1-1/2") with a minimum thickness of 4 inches over 3 inches of Crushed Surfacing Base Course. Surface texturing, joint details and joint layout shall be in accordance with Standard Plan 420.
- Asphaltic Concrete Sidewalks shall be HMA Cl ½", with a minimum thickness of 3 inches over 4 inches of Crushed Surfacing Base Course. Use tack coat between all concrete surfaces and new asphaltic concrete. Place tack coat on the surface between all joints to concrete or other asphaltic concrete.
- For ADA ramps use the City of Seattle standard plan 422 using WHITE detectable warning areas instead of “City of Seattle Safety Yellow”.

Design Evaluation

The following information is required to evaluate the design:

- **Design Development Phase**: Show areas of concrete and asphalt sidewalks. Show cross section of sidewalk. Provide preliminary specifications for all paving materials.
- **Construction Document Phase**: Details and specifications.

Construction Submittals

- Design mix for Asphalitic Cement concrete
- Gradation for Crushed Surfacing.

Installation, Fabrication and Construction

- The University of Washington shall retain a testing lab to verify sub grade compaction, slump, and strength of concrete, etc.
- After edging the PCC sidewalk, brush it with a fiber hair brush in a transverse direction.
- Cure the PCC sidewalk by an approved liquid curing compound.

END OF DESIGN GUIDE SECTION
DETAIL

NOTE: THIS DETAIL IS FOR CONCRETE SIDEWALK, BUT DETAILS ARE SIMILAR TO ASPHALTIC CONCRETE SIDEWALK.

SD-C-53

Roadway and Sidewalk Cross Section