

This chapter has described the principles of sustainable stormwater design, highlighted why better site-scale stormwater strategies are needed in San Mateo County, defined a green street and green parking lot, and described the unique conditions found in San Mateo County as they relate to stormwater management. The following provides a brief synopsis of what is included in the remaining chapters of the guidebook:

Chapter 2 introduces the stormwater design “toolbox” for San Mateo County. The toolbox contains a variety of site layout strategies and stormwater facility options that would be appropriate for San Mateo County. This chapter also highlights a three-step process for working through a site’s stormwater design. The strategies found in Chapter 2 can be implemented in both new development and retrofit sites.

Chapter 3 describes the varying street and parking lot conditions found in San Mateo County and how these differing conditions affect the opportunities for green street and parking lot projects.

Chapter 4 illustrates how these different site strategies are applied to actual conditions within San Mateo County. Several example “before and after” sketches illustrate how sustainable stormwater design would look within the region.

Chapter 5 of this guidebook offers more specific design details for green streets and provides practical advice on how to design and construct green street and parking lot projects.

Chapter 6 provides key considerations in implementing green street and parking lot projects/programs. This chapter also showcases the conceptual designs of several grant-funded green street and parking lot



Figure 1-25: A residential green street example in Portland, Oregon.

SOURCE: KEVIN ROBERT PERRY - CITY OF PORTLAND

projects in San Mateo County. These projects will illustrate many of the strategies found within this guidebook and give the reader an opportunity to see real projects that will be built in the near future.