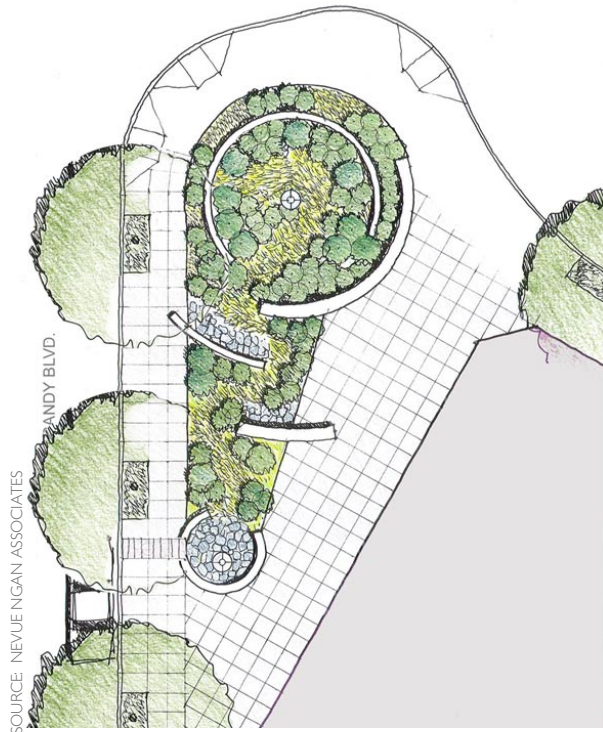


# CHAPTER 5

## KEY DESIGN AND CONSTRUCTION DETAILS



**Figure 5-1:** The conceptual design of a rain garden on Sandy Boulevard in Portland, Oregon.

The previous chapter envisioned opportunities that exist for green streets and parking lots in San Mateo County. This chapter helps to support this vision by providing a more detailed discussion on key design and construction considerations in building green street and parking lot projects. These details support the information found in the C.3 Technical Guidance, but they are specifically tailored to green street and parking lot applications. Some of the information presented in this chapter is in response to the ongoing concerns and/or questions that many designers, policy makers, and contractors have about creating successful projects. This chapter contains two main sections: “Design Details” and “Construction Details.” The final subsection of the chapter provides a chart illustrating the key components of green street and parking lot construction administration.



**Figure 5-2:** The rain garden construction process along Sandy Boulevard.



**Figure 5-3:** The rain garden as it exists today.