

DESIGN EXAMPLES

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1.0 INTRODUCTION

The purpose of this chapter is to provide design examples, featuring actual projects in the Denver metropolitan area. These examples were prepared by the consulting engineers and landscape architects/planners listed in Table DE-1.

Table DE-1—List of Design Examples

Section	Case Study Name and Location	Prepared By
2.0	Stapleton Redevelopment ¹ in the City and County of Denver	Matrix Design Group BRW
3.0	Willow Creek in Arapahoe County	Muller Consulting Engineers Wenk Associates
4.0	Rock Creek in Superior	McLaughlin Water Engineers, Ltd. The Norris/Dullea Company
5.0	Sand Creek in Adams County	Aquatic and Wetland Consultants Camp Dresser and McKee (CDM)
6.0	Goldsmith Gulch at Bible Park in the City and County of Denver	Sellards & Grigg Consulting Engineers Wenk Associates
7.0	Greenwood Gulch in the City of Greenwood Village	Water & Waste Consulting Engineers Sellards & Grigg Consulting Engineers Design Concepts, Inc.
8.0	Lena Gulch in Wheatridge	Taggart Engineering Associates EDAW

¹ Comprehensive design example with calculations.

DISCLAIMER

Several design examples are presented in this chapter to illustrate specific problem-solving approaches for projects having particular circumstances and drainage characteristics. The design examples have been selected to represent typical District situations and to show application of drainage principles and design criteria as described in Chapters 1 through 12. The design examples represent standard District technology and application and, for the most part, have been approved by the District and responsible governmental agencies leading to construction. Nonetheless, the designs shown shall be used at the sole risk of the user, and the District and the contributing consultants do not warrant these designs for any particular application. None of the examples represent proprietary design criteria or information and may be freely used as guidelines and examples, as with an engineering textbook. The designs and/or calculations shown represent methods and techniques recommended by the District and are in the public domain.