CHAPTER 3

DESIGN GUIDES

| GUIDE | TITLE | PAGE |
|-------|--|-------|
| 1 | Introduction to the Design Guide | 3.2 |
| 1 | Protection of existing riparian vegetation | 3.3 |
| 2 | Use of local native species | 3.5 |
| 3 | Use of Ornamental or non-native species | 3.7 |
| 4 | Riparian revegetation or mitigation projects | 3.9 |
| 5 | Temporary erosion control options | 3.11 |
| 6 | Placement of fill and planting of trees by levees | 3.13 |
| 7 | Slope stability area | 3.14 |
| 8 | SCVWD freeboard requirements | 3.15 |
| 9 | Grading adjacent to creeks and SCVWD right of way | 3.16 |
| 10 | Plant species for vegetated buffers and swales | 3.20 |
| 11 | Specifications for placement of fill on SCVWD levees | 3.21 |
| 12 | Outfall standards | 3.22 |
| 13 | Flap gate structure | 3.43 |
| 14 | SCVWD water pipeline crossing | 3.45 |
| 15 | Utility crossing under creeks | 3.49 |
| 16 | Guidance for Trail Design | 3.51 |
| 17 | Groundwater resource assessment criteria | 3.60 |
| 18 | Detention basin design | 3.61 |
| 19 | Bank protection repair guide | 3. 65 |

DESIGN GUIDES

INTRODUCTION TO THE DESIGN GUIDE

THE PURPOSE OF THE DESIGN GUIDE IS TO PROVIDE FURTHER ILLUSTRATIVE DETAIL AND CLARIFICATION ON THE SPECIFIC APPLICATION OF THE REQUIREMENTS AND RECOMMENDATIONS OUTLINED IN CHAPTER 1, AND TO DETERMINE COMPLIANCE WITH SECTION 2.3.3(6) OF THE WATER RESOURCES PROTECTION ORDINANCE (ORDINANCE 06-1).

WHERE THERE IS A VARIETY OF OPTIONS, THE PREFERRED OPTION IS INDICATED. IT IS NOTED, HOWEVER, THAT THE PREFERRED OPTION MAY NOT ALWAYS BE FEASIBLE OR PREFERRED DEPENDING ON THE CIRCUMSTANCES, OTHER OPTIONS, WHICH ARE ALLOWABLE NOT TYPICALLY RECOMMENDED HAVE BEEN INCLUDED AS WELL.

IF THERE IS A CONFLICT BETWEEN INFORMATION IN THE DESIGN GUIDE AND THE REQUIREMENTS AND RECOMMENDATIONS IN CHAPTER 1, PLEASE DEFER TO CHAPTER 1.

ALSO, SOME JUDGEMENT WILL NEED TO BE MADE BASED ON SITE-SPECIFIC CONDITIONS AND THE DYNAMIC NATURE OF THE STREAM SYSTEMS.