

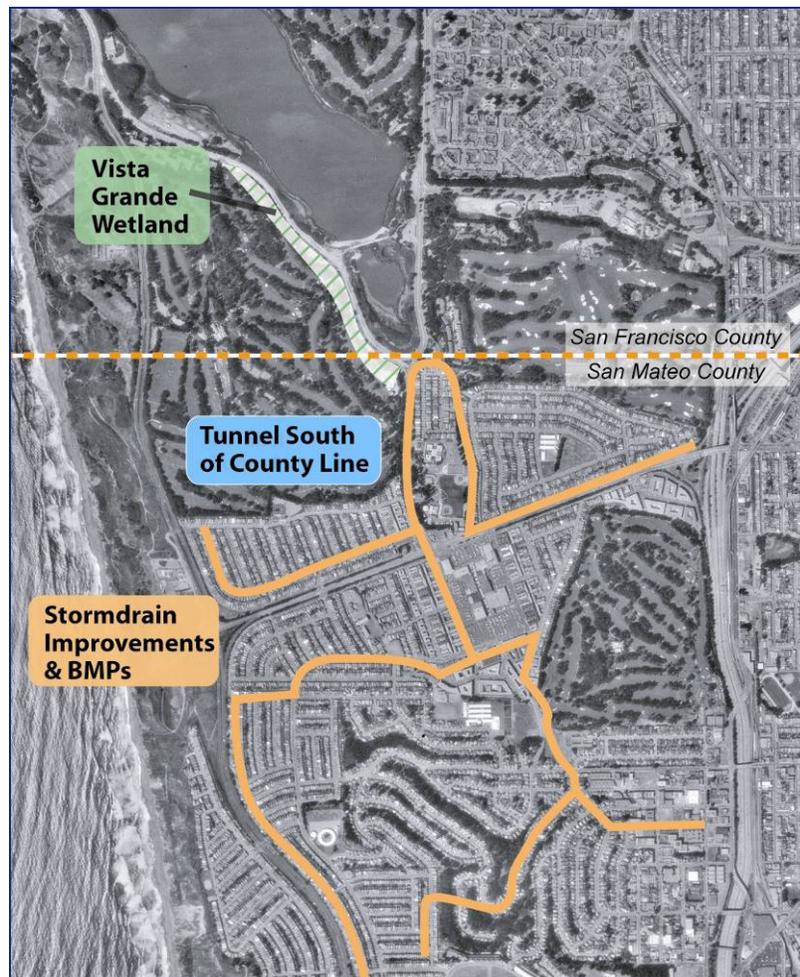
Chapter 5 Preliminary Program Recommendations

5.1 Summary of the Preliminary Program Recommendations

As described in Chapter 4, the alternatives identified for further evaluation in the Vista Grande Watershed Study include the Tunnel South of County Line, Vista Grande Wetland, Storm Drain Improvements and ongoing implementation of BMPs in compliance with the San Mateo Countywide NPDES permit. These four preliminary program components, shown conceptually in Figure 5-1, will solve the flooding issues within Daly City and along the Vista Grande canal while providing additional watershed benefits in accordance with the goals and objectives of this watershed study.

These Preliminary Program Recommendations establish a general approach for further investigation to provide flood protection within the Vista Grande watershed based on the preliminary alternatives analysis presented in Chapter 4 Alternatives Considered. The preliminary program components have been evaluated at a planning level only and none of the alternatives presented in this document have been selected for implementation. Further investigation and detailed design would be necessary prior to implementing any of the concepts presented as part of this study. Chapter 6 Implementation Strategies presents information on the next steps for developing the findings of this study and implementing a comprehensive watershed program to solve flooding issues in the watershed.

Figure 5-1 Long-Term Program Components Recommended for Further Evaluation in the Vista Grande Watershed Study



As shown in Table 5-1, the overall planning level cost estimate for the preliminary program recommendations, escalated to the assumed midpoint of construction for each preliminary program component, is \$118,000,000 - \$165,000,000. The cost estimates summarized in Table 5-1 are based on the planning level cost estimates developed for each preliminary program component and described in this chapter.

Table 5-1 Overall Planning Level Cost Estimate for the Vista Grande Watershed Preliminary Program

| Preliminary Program Recommendations | Planning Level Cost Estimate Range |
|--|--------------------------------------|
| Tunnel South of County Line | \$72,000,000 - \$104,000,000 |
| Vista Grande Wetland | \$11,000,000 |
| Storm Drain Improvements | \$35,000,000 - \$49,000,000 |
| Ongoing Best Management Practices | Not Applicable ^a |
| Total Cost for the Vista Grande Watershed Study Preliminary Program | \$118,000,000 - \$165,000,000 |

- BMP implementation will be ongoing in accordance with the San Mateo County NPDES permit.
- Costs have been escalated to the midpoint of construction for each preliminary program component at a rate of 5% per year. See Appendix G for more information.
- Cost estimates provided in Table 5-1 are based on planning level cost estimate work conducted for each preliminary program component and described in Section 5.2 (Tunnel South of County Line), 5.3 (Vista Grande Wetland), and 5.4 (Storm Drain Improvements).

This chapter presents a more detailed analysis and discussion of the preliminary program recommendations: Tunnel South of County Line, the Vista Grande Wetland, storm drain improvements, and ongoing BMP implementation.