Appendix B: Figures
Figure 3.2 Vista Grande Synthetic Hydrograph
NOTE: 1. REFER TO FIGURE 4.7 FOR STORM DRAIN DIMENSIONS AND LOCATION MAP.
2. ESTIMATED FLOWS BASED ON THEORETICAL SYNTHETIC HYDROGRAPH FOR 25 YEAR – 4 HOUR EVENT
Figure 3.4 Debris Screening Device

This GSRD utilizes a modular well-casing with 5 mm x 64 mm (0.2 in x 2.5 in nominal) louvers to screen out gross solids. The modular well-casing is placed on a 2 percent slope. Runoff flows into the device and exits radially through the louvers.

Figure 3.5 Inclined Screen
Figure 3.6A Trash rack and Trashrake
(Courtesy of Atlas-Polar Hydrorake)

Figure 3.6B Trashrake Conveyor
(Courtesy of Atlas-Polar Hydrorake)
NOTES: 1. REFER TO APPENDIX C, FIGURE A.3 FOR SPECIFIC LOCATIONS OF ADDITIONAL FEATURES
2. REFER TO FIGURE 4.7 FOR STORM DRAIN DIMENSIONS AND LOCATION MAP
3. ESTIMATED FLOWS BASED ON THEORETICAL SYNTHETIC HYDROGRAPH FOR 25 YEAR - 4 HOUR EVENT
Figure 4.1B Alternative 1A Drop Box Site

Figure 4.1C Alternative 1A Tunnel Inlet Site
NOTES: 1. REFER TO APPENDIX C, FIGURE A.10 FOR SPECIFIC LOCATIONS OF ADDITIONAL FEATURES
2. REFER TO FIGURE 4.7 FOR STORM DRAIN DIMENSIONS AND LOCATION MAP.
3. ESTIMATED FLOWS BASED ON THEORETICAL SYNTHETIC HYDROGRAPH FOR 25 YEAR – 4 HOUR EVENT
Figure 4.3B Alternative 5B Tunnel Inlet Site

Figure 4.3C Alternative 5B Tunnel Construction Staging Area
Appendix B: Figures

Figure 4.4B Alternative 6 Tunnel Inlet Site

Figure 4.4C Alternative 6 Tunnel Construction Staging Area
NOTES: 1. REFER TO APPENDIX C, FIGURE A.16 FOR SPECIFIC LOCATIONS OF ADDITIONAL FEATURES
2. REFER TO FIGURE 4.7 FOR STORM DRAIN DIMENSIONS AND LOCATION MAP.
3. ESTIMATED FLOWS BASED ON THEORETICAL SYNTHETIC HYDROGRAPH FOR 25 YEAR - 4 HOUR EVENT
Figure 4.5B Alternative 7 Tunnel Inlet Site

Figure 4.5C Alternative 7 Tunnel Construction Staging Area
EXISTING VISTA GRANDE TUNNEL (170 CFS MAX)  
EXISTING DALY CITY OUTFALL STRUCTURE  
ALT. 7  
ALT. 6  
ALT. 5B  
ALT. 1A  
JOHN MUIR DR  
LIDCOFT BLVD  
NORTHGATE AVE  
CLIFFSIDE DR  
ALLAN DR  
JONN DUL BLVD  
SAN FRANCISCO COUNTY  
SAN MATEO COUNTY  
PACIFIC OCEAN  
OLYMPIC CLUB  
NORTH SAN MATEO COUNTY SANITATION DISTRICT WASTEWATER TREATMENT PLANT  
ALT. 1A NEW OUTFALL STRUCTURE  
ALT. 4 NEW OUTFALL STRUCTURE  
24" CULVERT  
7"x6" BOX CULVERT  
60" CULVERT  
7"x6" BOX CULVERT  
60" CANAL MAX  
60" CULVERT  
7"x6" BOX CULVERT  
60" CULVERT  
170 CFS MAX  
24" CULVERT  
PUMP TO DISCHARGE TO 5'x8' BOX CULVERT  
5'x8' BOX CULVERT  
205 CFS  
1125 CFS  
AREA 1  
AREA 2  
TUNNEL ALTERNATIVES  
EXISTING STORM DRAIN  
CANAL IMPROVEMENTS  
NEW STORM DRAIN  
STORM DRAIN MODIFICATION  
NOTE: 1. REFER TO APPENDIX C, FIGURE A.20 FOR SPECIFIC LOCATIONS OF ADDITIONAL FEATURES  
2. REFER TO FIGURE 4.7 FOR STORM DRAIN DIMENSIONS AND LOCATION MAP  
3. ESTIMATED FLOWS BASED ON THEORETICAL SYNTHETIC HYDROGRAPH FOR 25 YEAR – 4 HOUR EVENT  
4. THIS ALTERNATIVE MAY BE COMBINED WITH ALTERNATIVES 1A, 4, 5B, 6 OR 7.
Figure 6.1 Existing Daly City Outfall Structure and Ocean Outfall Pipe

Figure 6.2 Existing Daly City Outfall Structure and WWTP Pipeline
Figure 6.3 Typical Tie-back Installation

Figure 6.4 Soldier Pile Wall with Tie-backs for a 30 MG Water Storage Tank
Figure 6.5 Water Storage Structure Supports for a 30 MG Water Storage Tank

Figure 6.6 Water storage tank approximately 50' deep
Figure 7.1 Typical Overhead Utility Along the Existing Vista Grande Canal

Figure 7.2 Typical Underground Telecommunication Utility Along the Existing Vista Grande Canal
Figure 7.3 Typical Department of Public Works Sewer