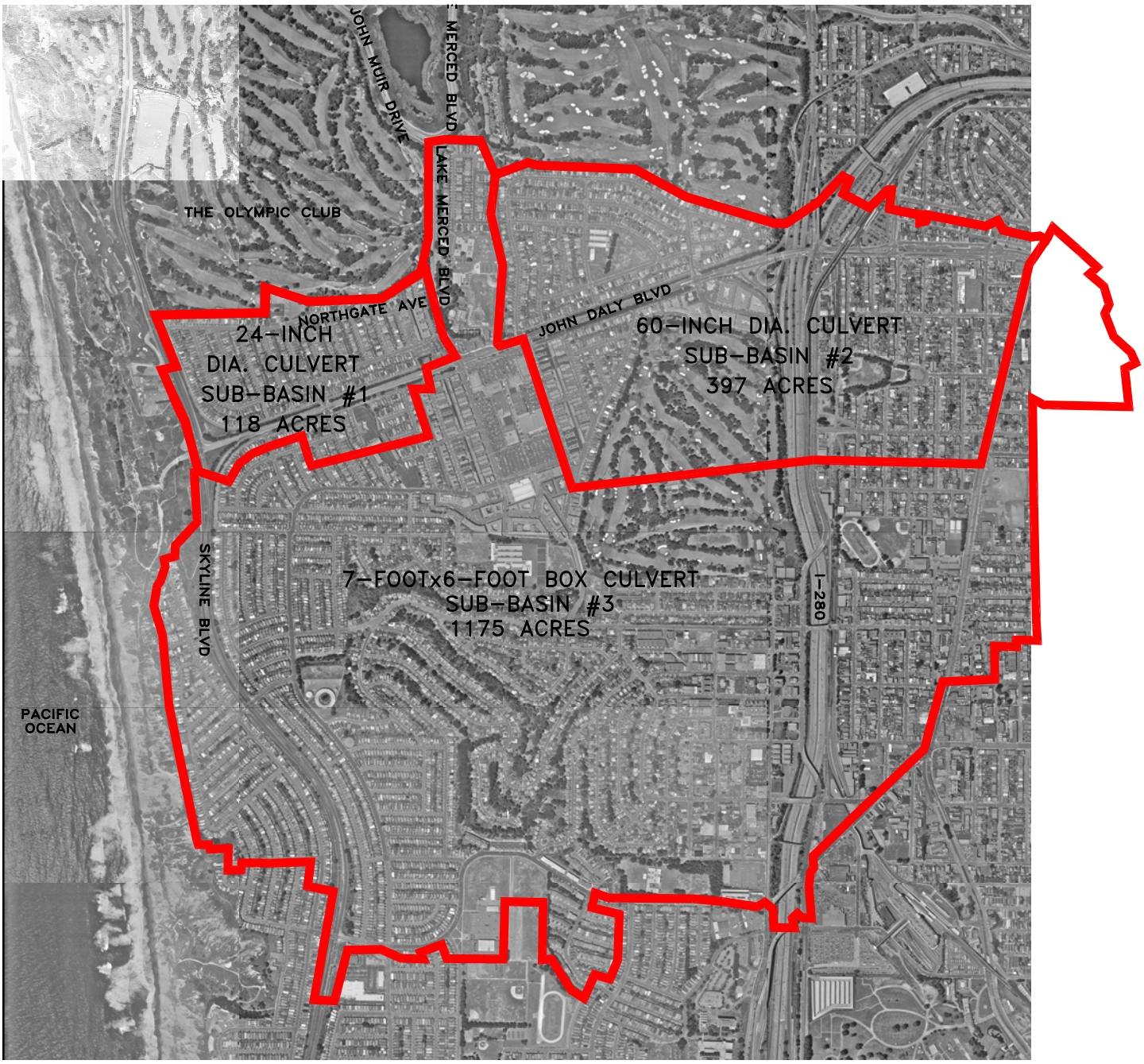
Appendix B: Figures



THE CITY OF DALY CITY CALIFORNIA DEPARTMENT OF PUBLIC WORKS	VISTA GRANDE DRAINAGE BASIN TUNNEL ANALYSIS	PROJECT NO. 3957.1	REV 0
		DATE: 10/2007	
JACOBS ASSOCIATES Engineers/Consultants	VISTA GRANDE WATERSHED	FIGURE 3.1	

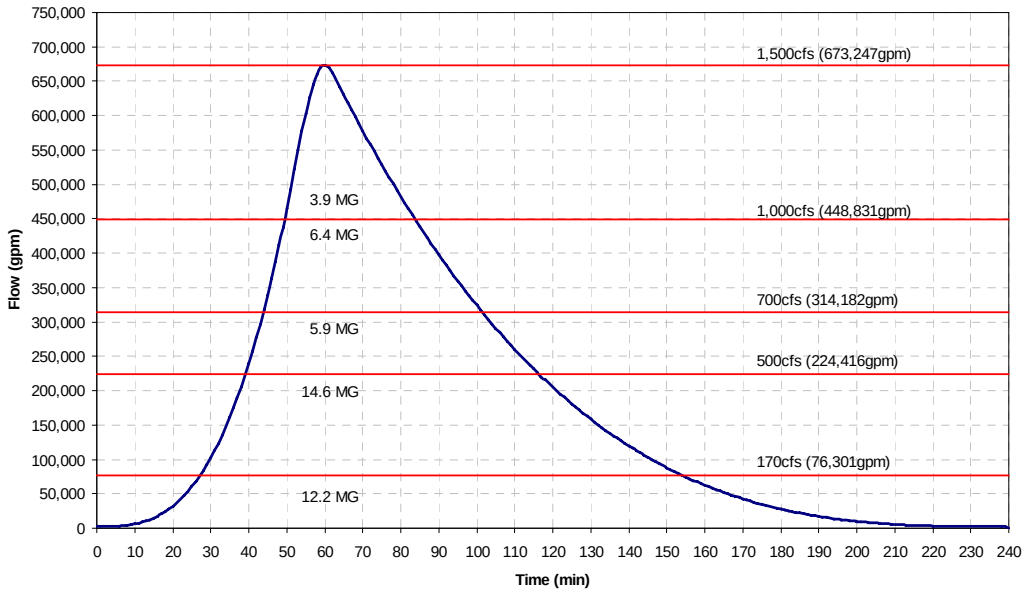
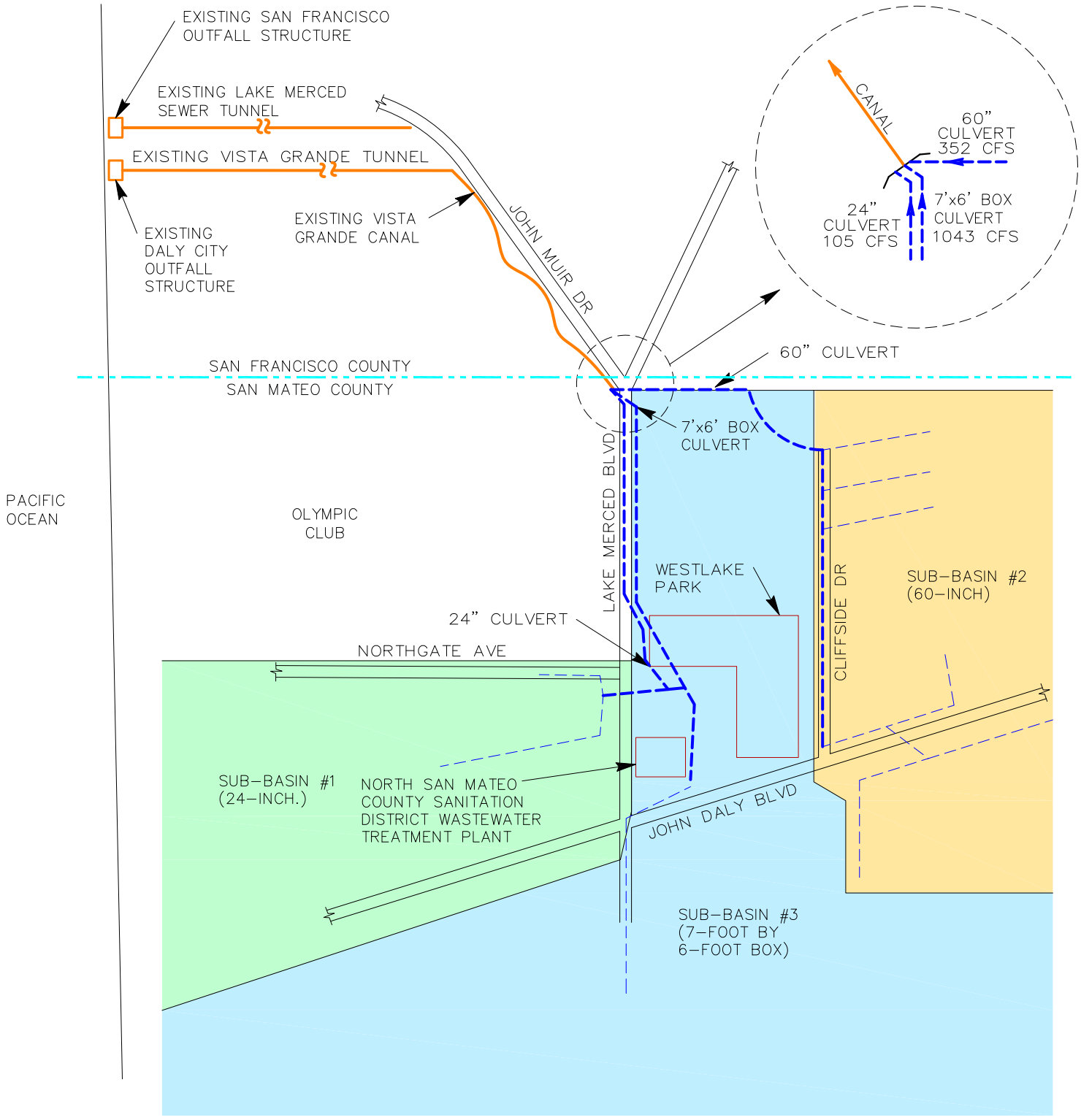


Figure 3.2 Vista Grande Synthetic Hydrograph



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

THE CITY OF DALY CITY CALIFORNIA DEPARTMENT OF PUBLIC WORKS	VISTA GRANDE DRAINAGE BASIN TUNNEL ANALYSIS	PROJECT NO. 3957.1	REV 1
		DATE: 12/2007	
JACOBS ASSOCIATES Engineers/Consultants	WATERSHED HYDRAULIC SCHEMATIC	FIGURE 3.3	

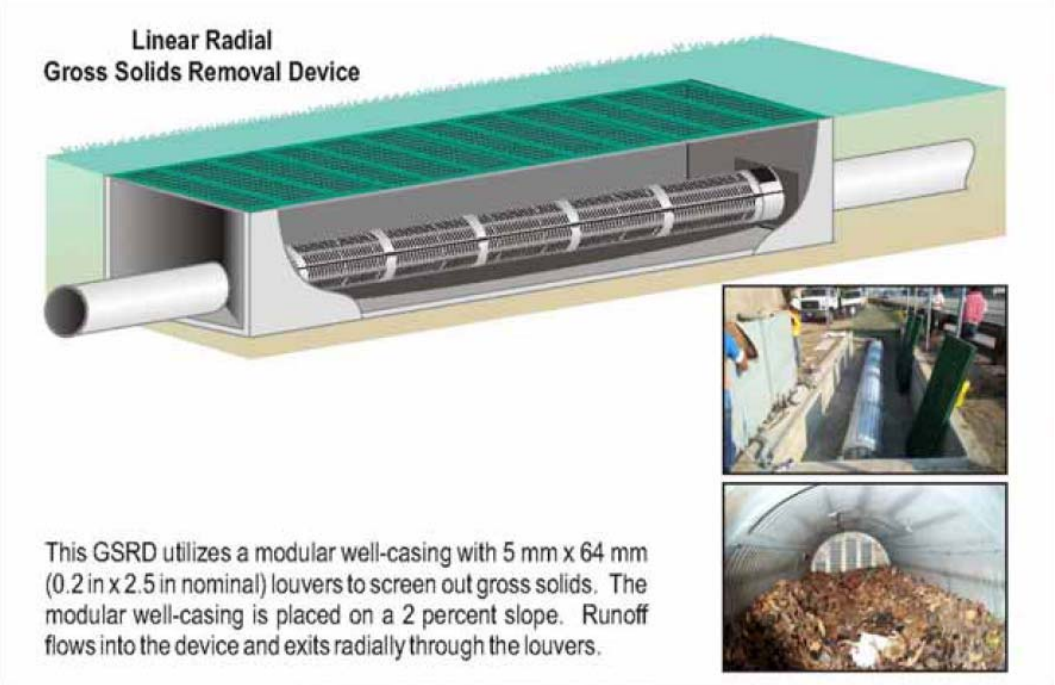


Figure 3.4 Debris Screening Device

Figure 3.5 Inclined Screen

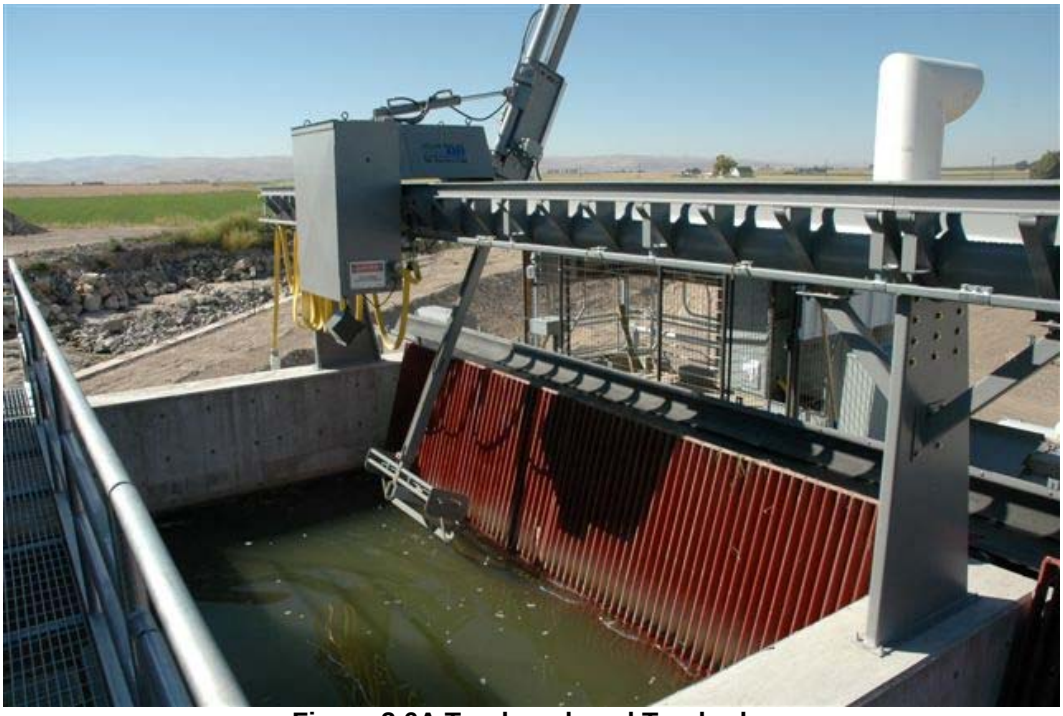
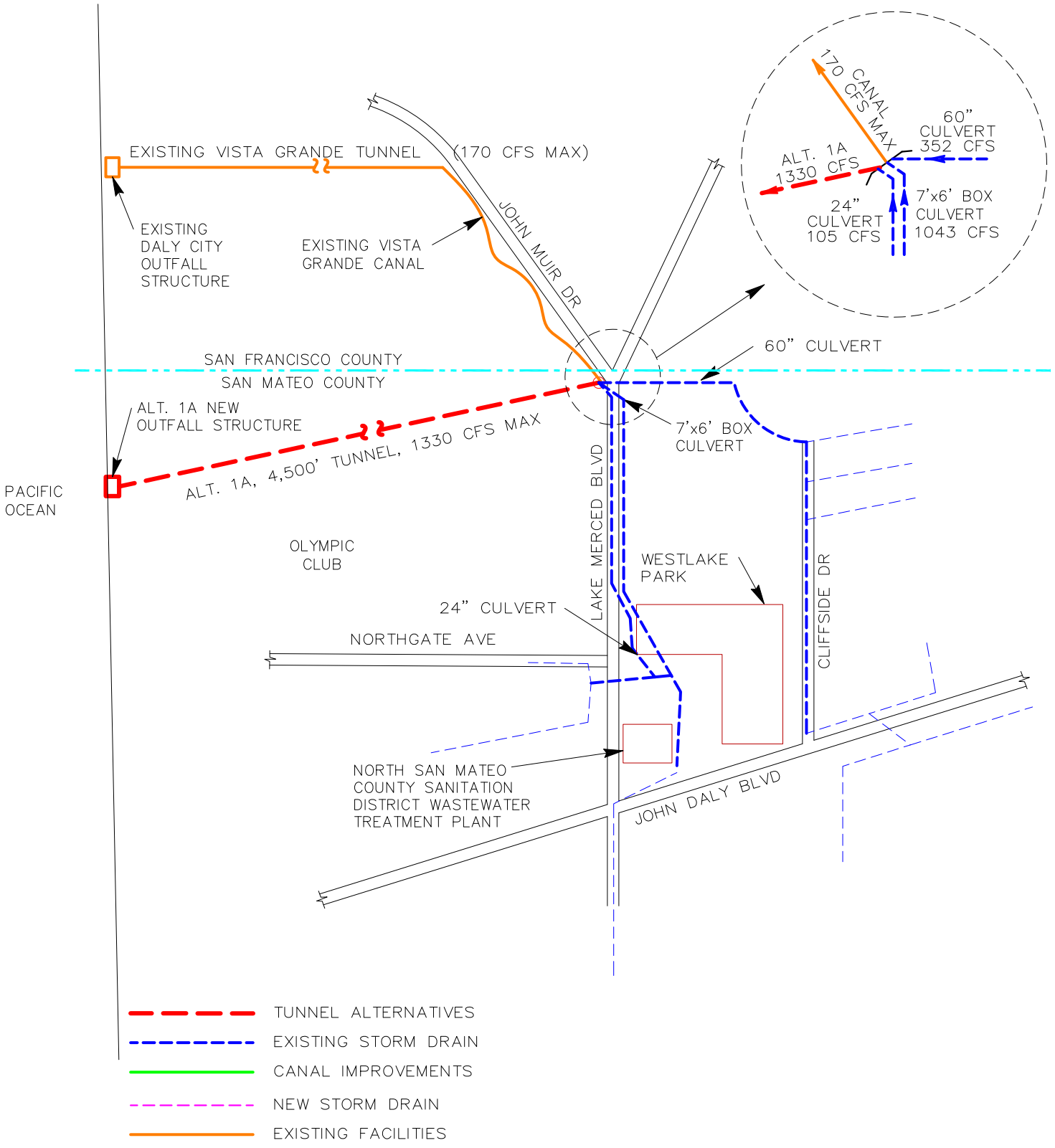


Figure 3.6A Trash rack and Trashrake
(Courtesy of Atlas-Polar Hydrorake)

Figure 3.6B Trashrake Conveyor
(Courtesy of Atlas-Polar Hydrorake)

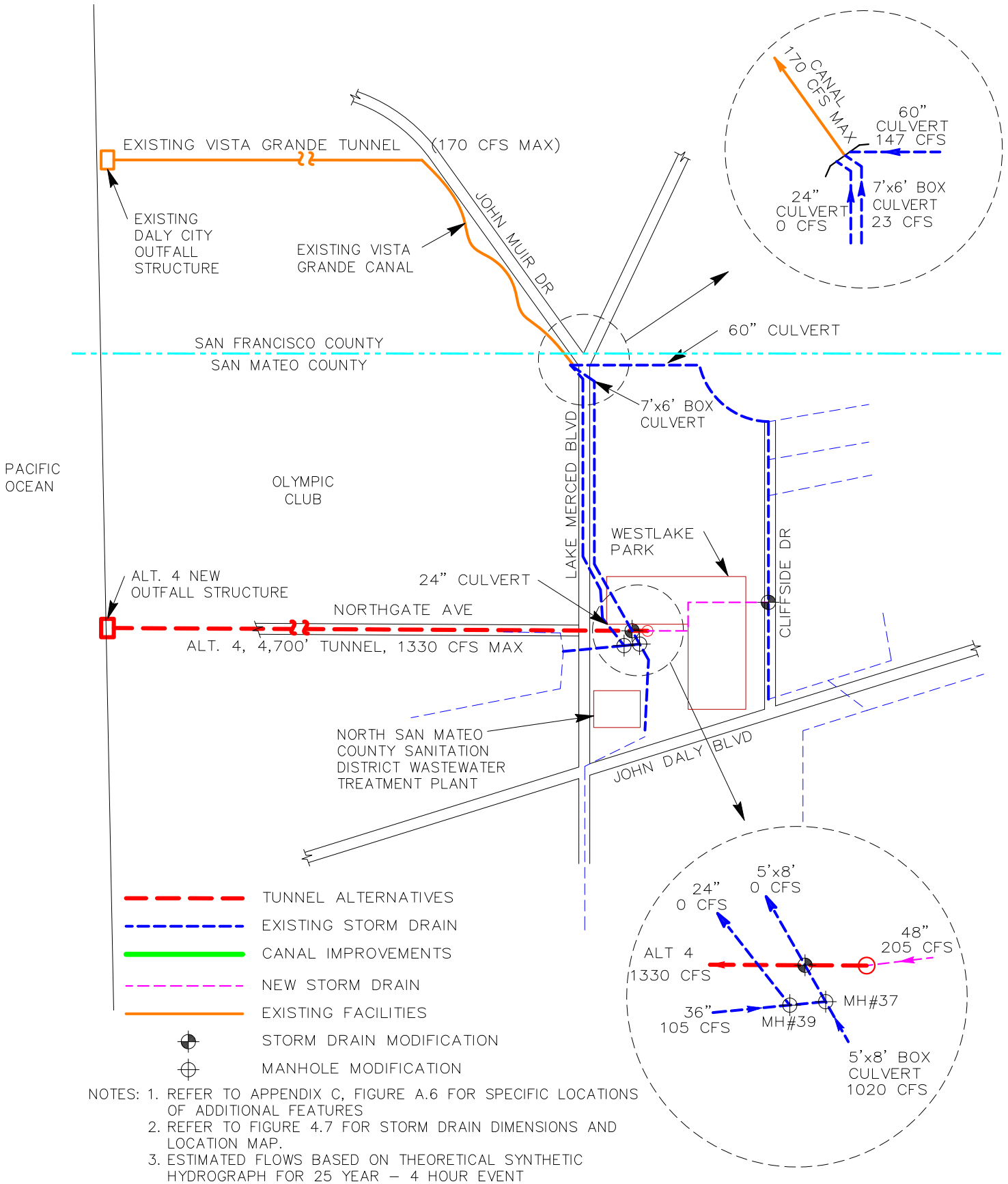


NOTES:
1. REFER TO APPENDIX C, FIGURE A.3 FOR SPECIFIC LOCATIONS OF ADDITIONAL FEATURES
2. REFER TO FIGURE 4.7 FOR STORM DRAIN DIMENSIONS AND LOCATION MAP.
3. ESTIMATED FLOWS BASED ON THEORETICAL SYNTHETIC HYDROGRAPH FOR 25 YEAR – 4 HOUR EVENT

THE CITY OF DALY CITY CALIFORNIA DEPARTMENT OF PUBLIC WORKS	VISTA GRANDE DRAINAGE BASIN TUNNEL ANALYSIS	PROJECT NO. 3957.1 / REV 1 DATE: 12/2007
JACOBS ASSOCIATES Engineers/Consultants	ALTERNATIVE 1A CAPACITY SCHEMATIC	FIGURE 4.1A

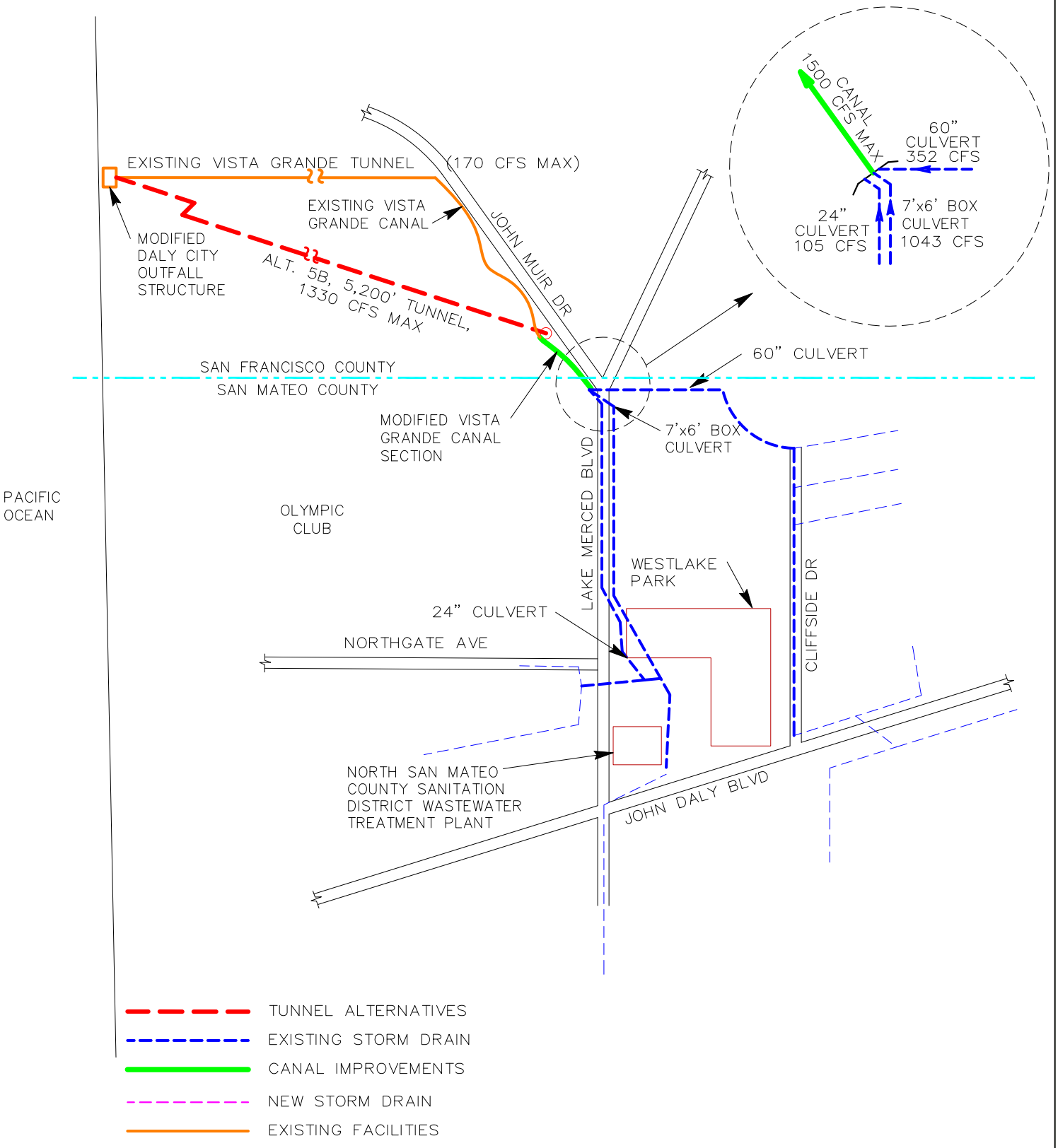
Figure 4.1B Alternative 1A Drop Box Site

Figure 4.1C Alternative 1A Tunnel Inlet Site



NOTES: 1. REFER TO APPENDIX C, FIGURE A.6 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

THE CITY OF DALY CITY CALIFORNIA DEPARTMENT OF PUBLIC WORKS	VISTA GRANDE DRAINAGE BASIN TUNNEL ANALYSIS	PROJECT NO. 3957.1	REV 1
		DATE: 12/2007	
JACOBS ASSOCIATES Engineers/Consultants	ALTERNATIVE 4 CAPACITY SCHEMATIC	FIGURE 4.2	

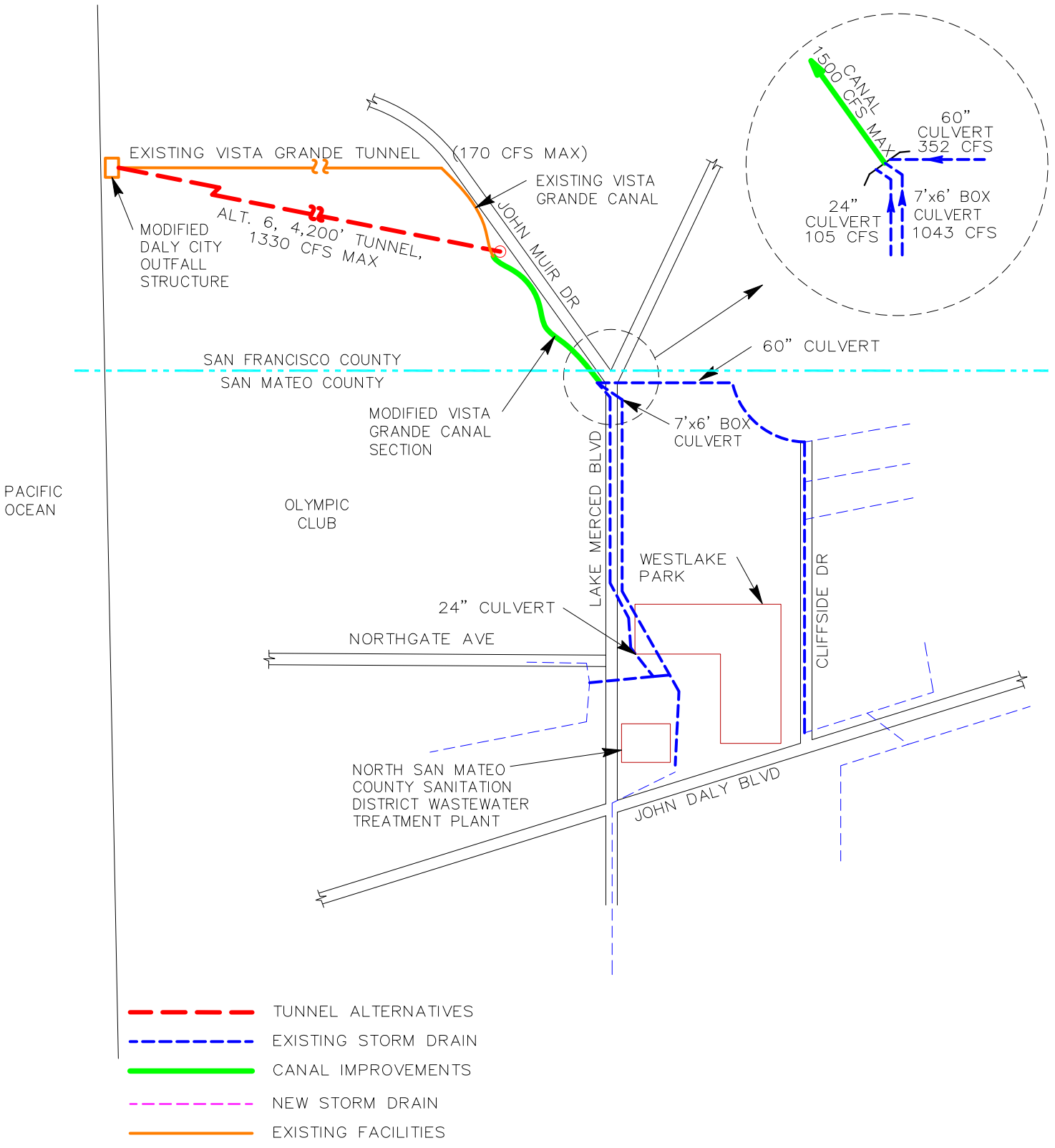


NOTES:
1. REFER TO APPENDIX C, FIGURE A.10 FOR SPECIFIC LOCATIONS OF ADDITIONAL FEATURES
2. REFER TO FIGURE 4.7 FOR STORM DRAIN DIMENSIONS AND LOCATION MAP.
3. ESTIMATED FLOWS BASED ON THEORETICAL SYNTHETIC HYDROGRAPH FOR 25 YEAR – 4 HOUR EVENT

THE CITY OF DALY CITY CALIFORNIA DEPARTMENT OF PUBLIC WORKS	VISTA GRANDE DRAINAGE BASIN TUNNEL ANALYSIS	PROJECT NO. 3957.1 / REV 1
		DATE: 12/2007
JACOBS ASSOCIATES Engineers/Consultants	ALTERNATIVE 5B CAPACITY SCHEMATIC	FIGURE 4.3A

Figure 4.3B Alternative 5B Tunnel Inlet Site

Figure 4.3C Alternative 5B Tunnel Construction Staging Area



NOTES: 1. REFER TO APPENDIX C, FIGURE A.13 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

THE CITY OF DALY CITY CALIFORNIA DEPARTMENT OF PUBLIC WORKS	VISTA GRANDE DRAINAGE BASIN TUNNEL ANALYSIS	PROJECT NO. 3957.1	REV 1
		DATE: 12/2007	
JACOBS ASSOCIATES Engineers/Consultants	ALTERNATIVE 6 CAPACITY SCHEMATIC	FIGURE 4.4A	

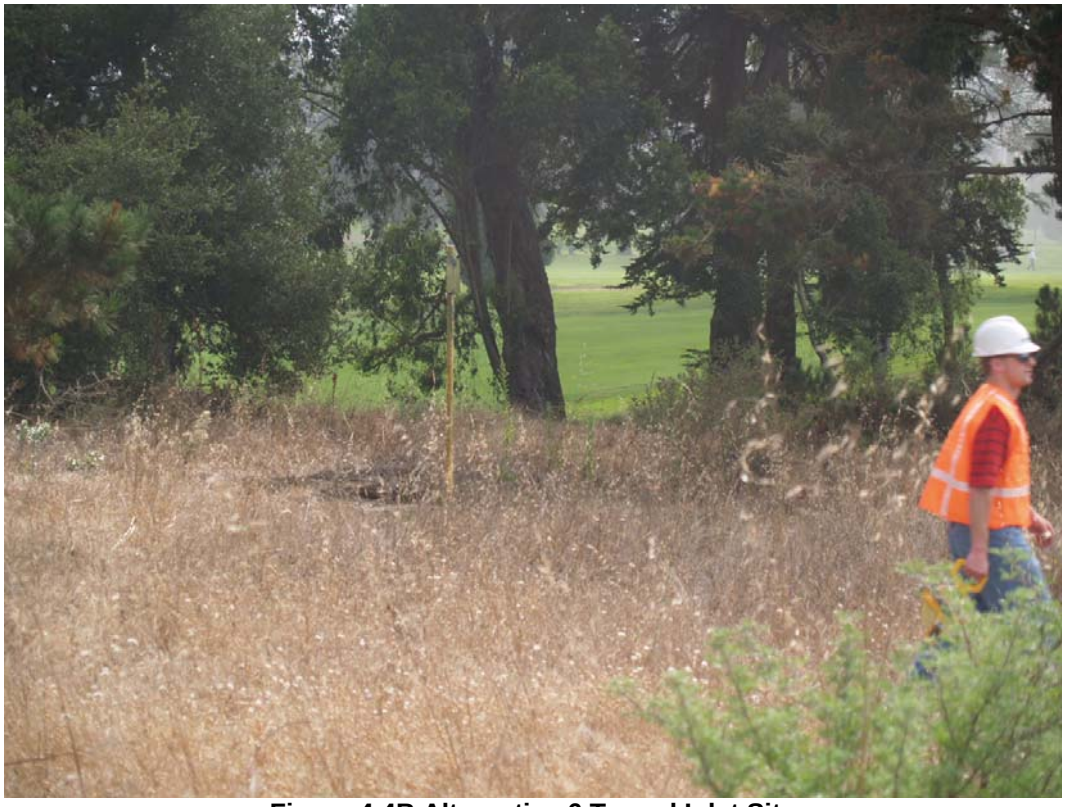
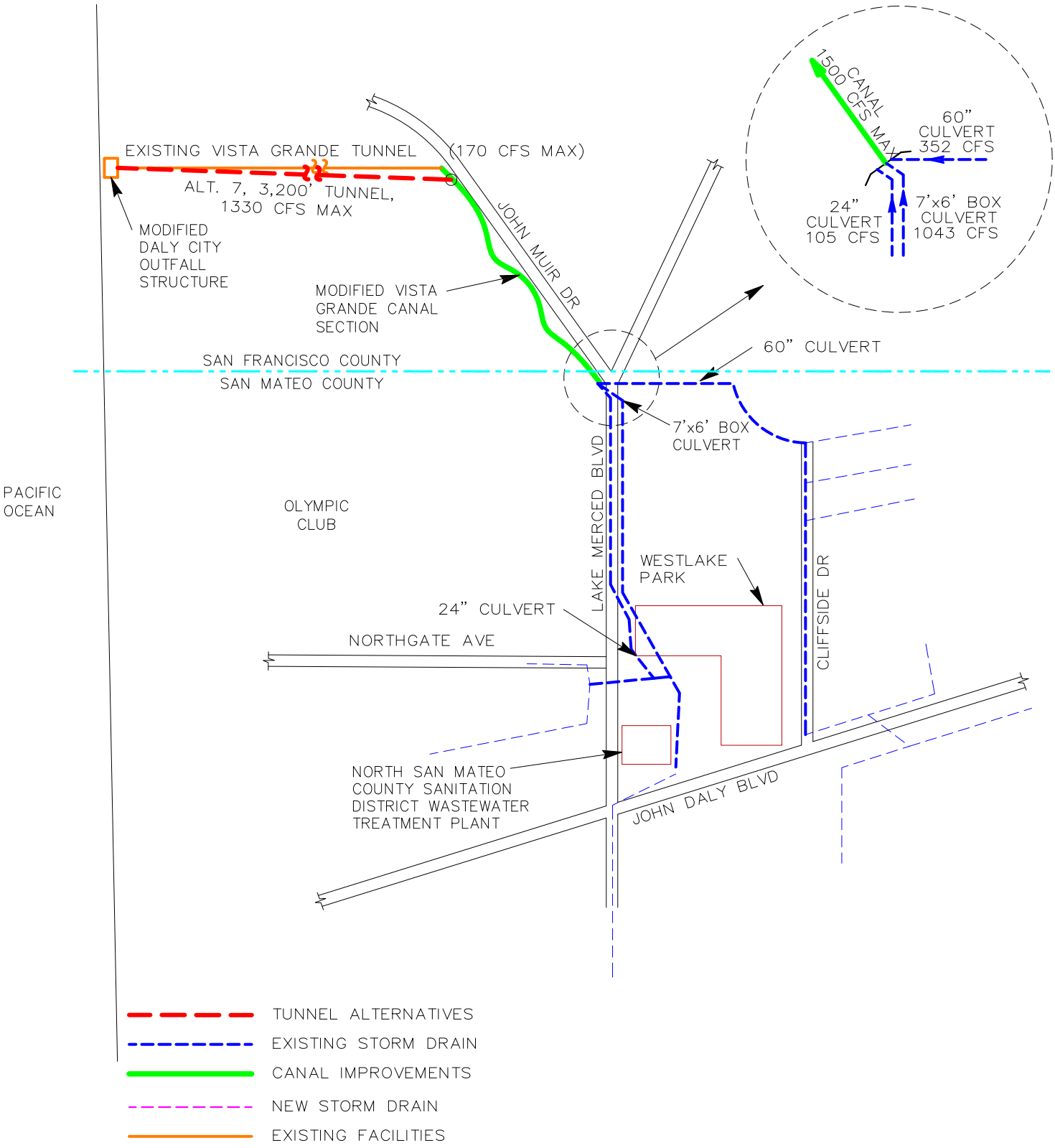


Figure 4.4B Alternative 6 Tunnel Inlet Site

Figure 4.4C Alternative 6 Tunnel Construction Staging Area

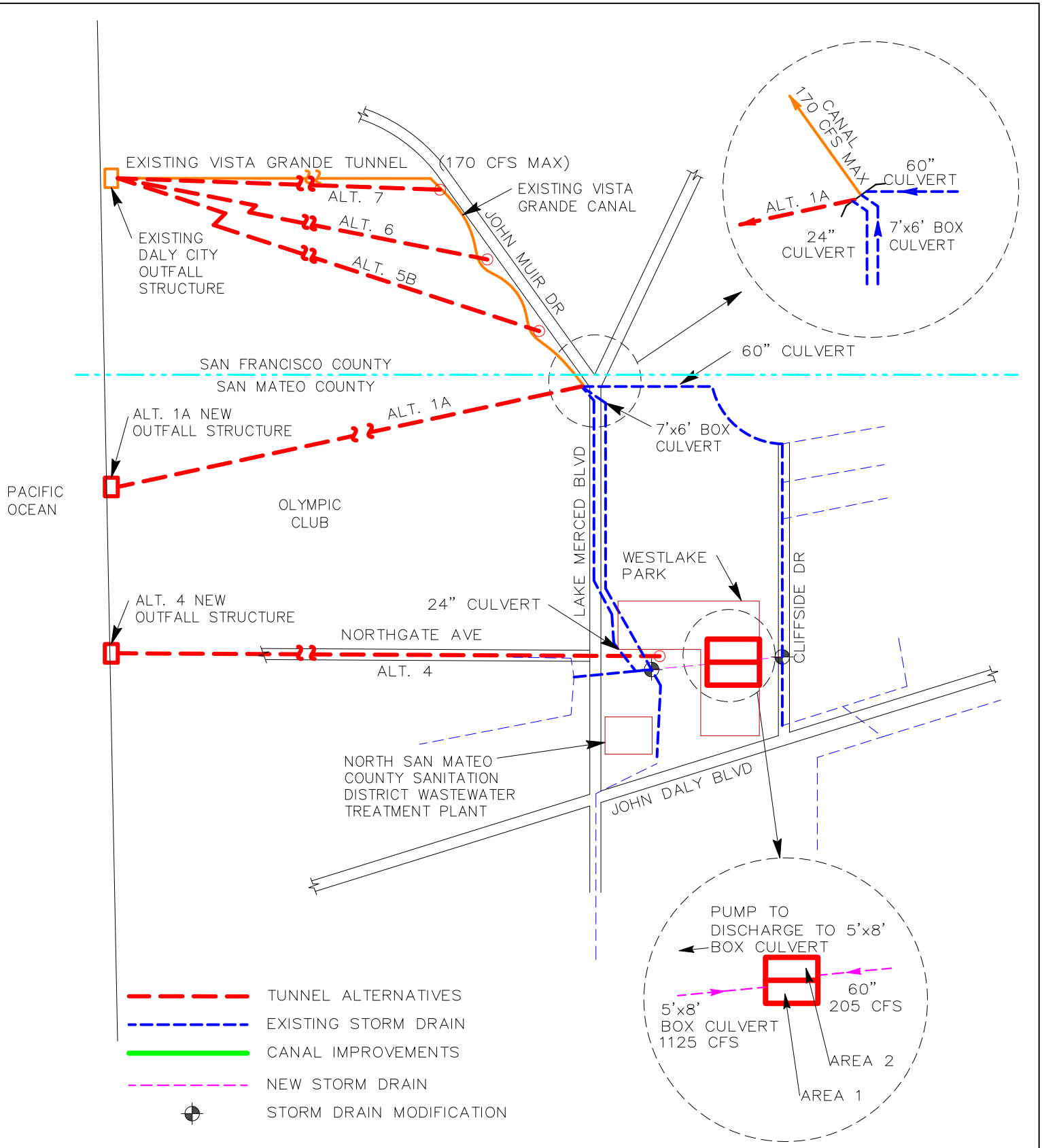


NOTES: 1. REFER TO APPENDIX C, FIGURE A.16 FOR SPECIFIC LOCATIONS OF ADDITIONAL FEATURES
2. REFER TO FIGURE 4.7 FOR STORM DRAIN DIMENSIONS AND LOCATION MAP.
3. ESTIMATED FLOWS BASED ON THEORETICAL SYNTHETIC HYDROGRAPH FOR 25 YEAR – 4 HOUR EVENT

THE CITY OF DALY CITY CALIFORNIA DEPARTMENT OF PUBLIC WORKS	VISTA GRANDE DRAINAGE BASIN TUNNEL ANALYSIS	PROJECT NO. 3957.1	REV 1
		DATE: 12/2007	
JACOBS ASSOCIATES Engineers/Consultants	ALTERNATIVE 7 CAPACITY SCHEMATIC	FIGURE 4.5A	

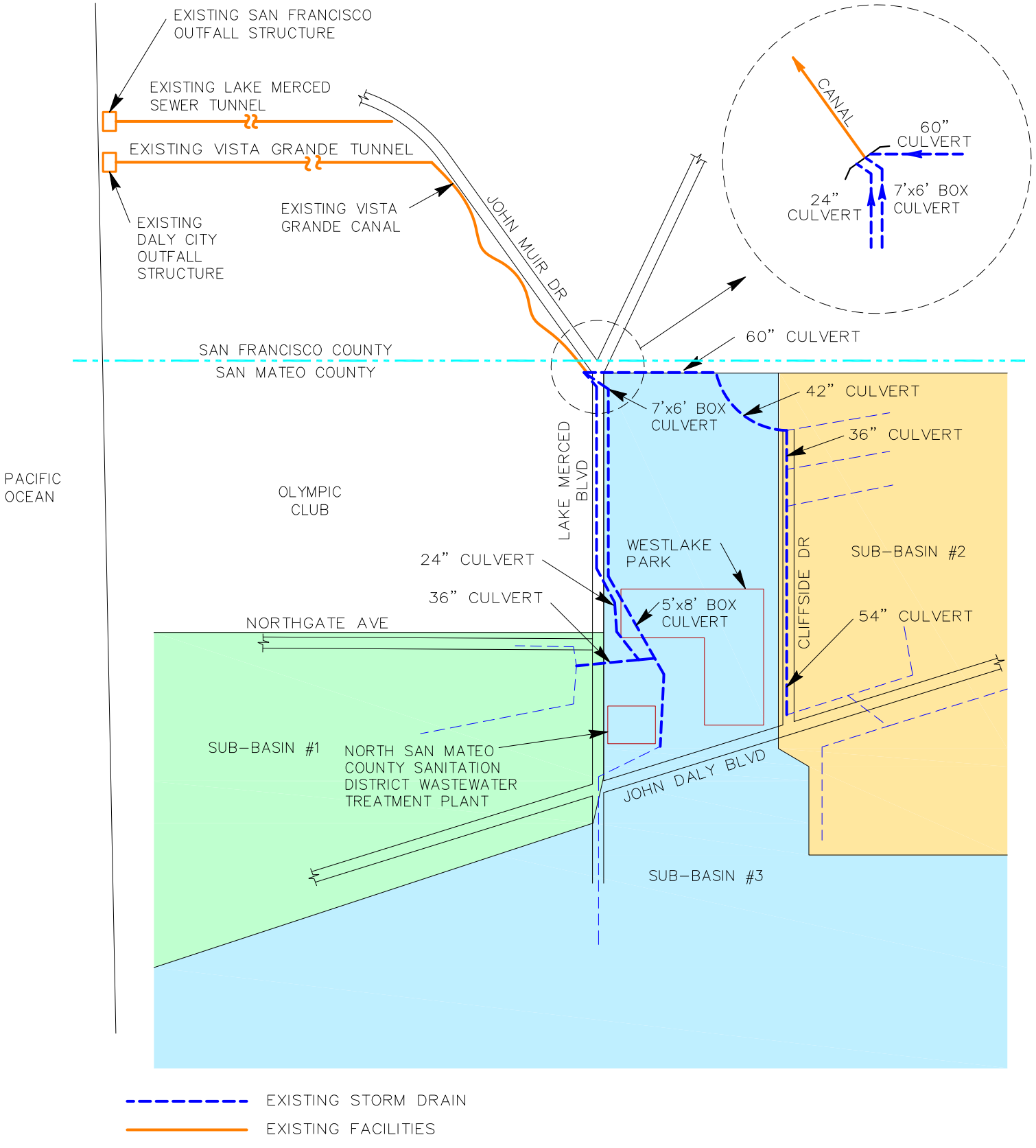
Figure 4.5B Alternative 7 Tunnel Inlet Site

Figure 4.5C Alternative 7 Tunnel Construction Staging Area



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.

THE CITY OF DALY CITY CALIFORNIA DEPARTMENT OF PUBLIC WORKS	VISTA GRANDE DRAINAGE BASIN TUNNEL ANALYSIS	PROJECT NO. 3957.1	REV 1
		DATE: 12/2007	
JACOBS ASSOCIATES Engineers/Consultants	ALTERNATIVE 9 CAPACITY SCHEMATIC	FIGURE 4.6	



THE CITY OF DALY CITY CALIFORNIA DEPARTMENT OF PUBLIC WORKS	VISTA GRANDE DRAINAGE BASIN TUNNEL ANALYSIS	PROJECT NO. 3957.1	REV 1
		DATE: 12/2007	
JACOBS ASSOCIATES Engineers/Consultants	EXISTING STORM DRAIN SCHEMATIC	FIGURE 4.7	

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

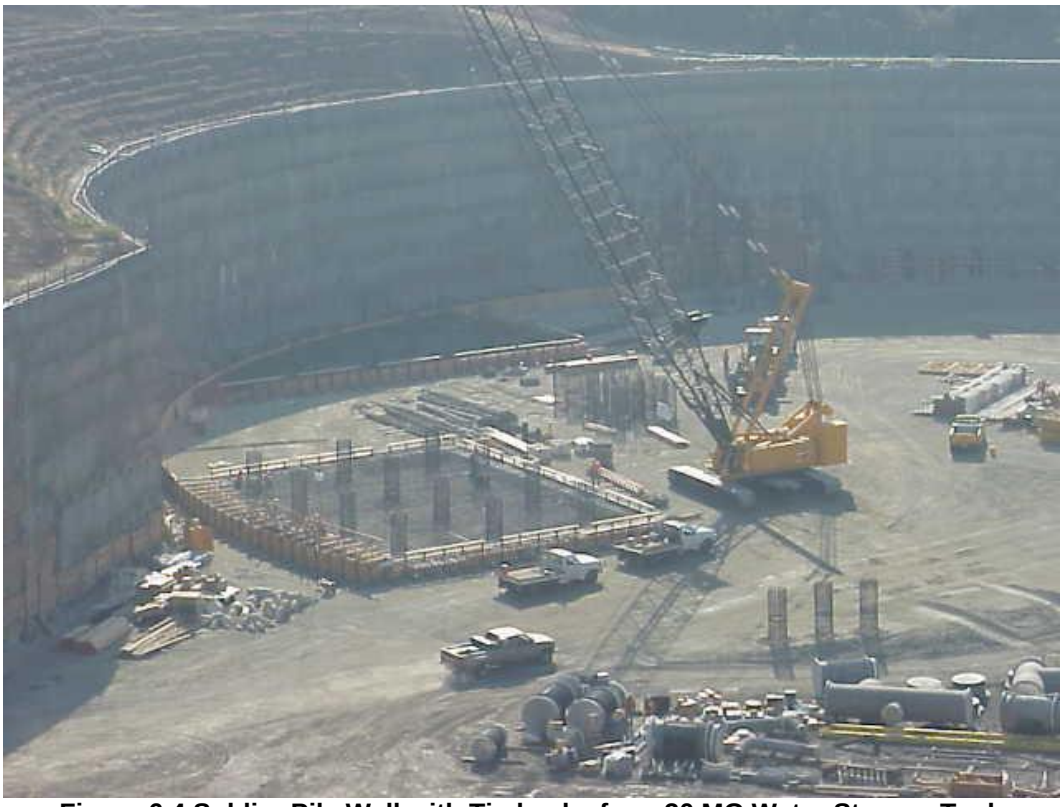


Figure 6.4 Soldier Pile Wall with Tie-backs for a 30 MG Water Storage Tank

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