

# Notice of Preparation

Date            October 2, 2006

To:             Responsible or Trustee Agencies and Interested Parties

Subject        Notice of Preparation (NOP) of a Program Environmental Impact Report for the  
Orange County Sanitation District Service Area Annexation and Collection  
System Improvement Plan

The Orange County Sanitation District (Sanitation District or OCSD) is the lead agency, under the California Environmental Quality Act (CEQA), for preparation of a Program Environmental Impact Report (PEIR) for proposed annexations to the Sanitation District's service area and improvements to its wastewater collection system. The proposed actions constitute the Service Area Annexation and Collection System Improvement Plan (Plan).

The Sanitation District is soliciting the views of interested persons and agencies as to the scope and content of the environmental information to be evaluated in the PEIR. In accordance with CEQA, agencies are requested to review the information provided in this NOP, and enclosed Initial Study, and provide comments on environmental issues related to the statutory responsibilities of the agency. The PEIR will address written comments submitted during this initial review period.

In accordance with the time limits mandated by CEQA, responses to the NOP must be received by the Sanitation District no later than 30 days after receipt of this NOP. We request that comments to this NOP be received no later than November 6, 2006. Please send your comments to John Linder, Engineering Manager, at the address shown below using the NOP Response Form provided as Attachment A, or in a letter addressed to Mr. Linder. Include a return address and contact name with your comments. The Sanitation District will also accept comments on the scope of the proposed Plan at a public scoping meeting to be held on October 17, 2006 at 1:30 PM at the address identified below.

Project Title:             Service Area Annexation and Collection System Improvement Plan  
(Plan)

Signature:                \_\_\_\_\_

Title:                      \_\_\_\_\_

Address:                Orange County Sanitation District             Telephone:   (714) 593-7350  
10844 Ellis Avenue  
Fountain Valley, CA 92708  
Attn: John D. Linder



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# Initial Study

## Service Area Annexation and Collection System Improvement Plan

Prepared for  
**Orange County Sanitation District**

September 2006

Prepared by



10844 Ellis Avenue  
Fountain Valley, CA 92708



# Contents

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Section	Page
<b>Acronyms</b> .....	<b>vii</b>
<b>1.0 Project Information</b> .....	<b>1-1</b>
1.1 Introduction .....	1-1
1.2 Background .....	1-1
1.3 Purpose of PEIR.....	1-1
1.4 Project Description .....	1-2
1.5 Discussion of Potential Impacts .....	1-14
<b>2.0 Environmental Checklist Form</b> .....	<b>2-1</b>
<b>3.0 Environmental Evaluation</b> .....	<b>3-1</b>
I. Aesthetics.....	3-1
II. Agricultural Resources .....	3-2
III. Air Quality.....	3-3
IV. Biological Resources.....	3-4
V. Cultural Resources .....	3-6
VI. Geology and Soils.....	3-7
VII. Hazards and Hazardous Materials .....	3-9
VIII. Hydrology and Water Quality .....	3-11
IX. Land Use and Planning .....	3-13
X. Mineral Resources .....	3-14
XI. Noise .....	3-14
XII. Population and Housing .....	3-15
XIII. Public Services .....	3-16
XIV. Recreation.....	3-17
XV. Transportation/Traffic .....	3-17
XVI. Utilities and Service Systems .....	3-18
XVII. Mandatory Findings of Significance.....	3-20
<b>4.0 Preparers and Contributors</b> .....	<b>4-1</b>
<b>5.0 References</b> .....	<b>5-1</b>

## Attachments

- A Notice of Preparation Response Form

## Figures

1	Existing Service Area and Wastewater Facilities .....	1-3
2	Proposed Annexations .....	1-7
3	Proposed Improvements.....	1-11

## Tables

1	Proposed Annexation.....	1-5
2	Proposed Collection System Improvements.....	1-9

# Acronyms

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AQMP	Air Quality Management Plan
Caltrans	California Department of Transportation
CEQA	California Environmental Quality Act
CIP	Capital Improvement Plan
CO	Carbon Monoxide
LAFCO	Local Agency Formation Committee
mgd	million gallons per day
NCCP	Natural Community Conservation Plan
NOP	Notice of Preparation
NO <sub>x</sub>	Nitrogen Oxides
NPDES	National Pollutant Discharge Elimination System
PEIR	Program Environmental Impact Report
Plan	Service Area Annexation and Collection System Improvement Plan
PM <sub>10</sub>	Particulate matter less than 10-microns
ROC	Reactive Organic Compounds
RWQCB	Regional Water Quality Control Board
Sanitation District or OCSD	Orange County Sanitation District
SCAQMD	South Coast Air Quality Management District
SO <sub>x</sub>	Sulfur Oxides
UBC	Uniform Building Code
USEPA	United States Environmental Protection Agency





# 1.0 Project Information

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## 1.1 Introduction

This Notice of Preparation (NOP) has been prepared pursuant to the requirements of the California Environmental Quality Act (CEQA). This NOP serves to notify interested parties that the Orange County Sanitation District (Sanitation District or OCSD), as the lead agency, is beginning preparation of a Program Environmental Impact Report (PEIR) to assess its Service Area Annexation and Collection System Improvement Plan (Plan). The Sanitation District proposes to annex unincorporated property in Orange County which is directly adjacent to or surrounded by the current Sanitation District service area. This annexation would facilitate abandonment of existing septic tanks in residential areas and provide an alternative to installation of new septic tanks in vacant areas. However, annexation would not entitle these areas to development. In addition, sewer connection and septic tank abandonment are not part of the proposed Plan. The Sanitation District also proposes to make improvements to the regional collection system to accommodate existing and planned growth in northern and central Orange County.

## 1.2 Background

The Sanitation District, formed in 1946 under the County Sanitation District Act of 1923, provides wastewater services to approximately 2.3 million people within a 470-square mile area of northern and central Orange County. The Sanitation District operates and maintains a 410-mile long regional wastewater conveyance system. This system conveys sewage from local sewer lines in 21 cities and three special districts to two regional Sanitation District treatment plants. The two treatment plants receive wastewater from 11 major trunk sewers. The Sanitation District also operates and maintains local sewers in the City of Tustin and in unincorporated areas north of Tustin. Figure 1 shows the Sanitation District's service area, and its collection and treatment facilities.

The Sanitation District treatment plants treat approximately 250 million gallons per day (mgd) of wastewater as specified in the National Pollutant Discharge Elimination System (NPDES) permit issued jointly by the Santa Ana Regional Water Quality Control Board (RWQCB) and the U.S. Environmental Protection Agency (U.S. EPA). Approximately 7 to 10 mgd of treated wastewater is provided to the Orange County Water District for reclamation. Approximately 240 mgd are discharged to the Pacific Ocean through an offshore pipeline which extends approximately 5 miles off shore.

## 1.3 Purpose of PEIR

Pursuant to Section 15168 of the State of California CEQA Guidelines, a PEIR is an EIR which may be prepared on a series of actions that can be characterized as one large project and are related either: geographically; as logical parts in the chain of contemplated actions;

in connection with issuance of rules, regulations, plans, or other general criteria to govern the conduct of a continuing program; or, as individual activities carried out under the same authorizing statutory or regulatory authority and having generally similar environmental effects which can be mitigated in similar ways. Additionally, a PEIR allows the lead agency to consider broad policy alternatives and program-wide mitigation measures at an early time when the agency has greater flexibility to deal with basic problems or cumulative impacts.

CEQA requires every proposed project in the state of California to be examined for potential effects on the environment. The Sanitation District, in accordance with CEQA, is preparing a PEIR to evaluate potential impacts associated with the proposed Sanitation District service area annexation and proposed improvements to the collection system.

## 1.4 Project Description

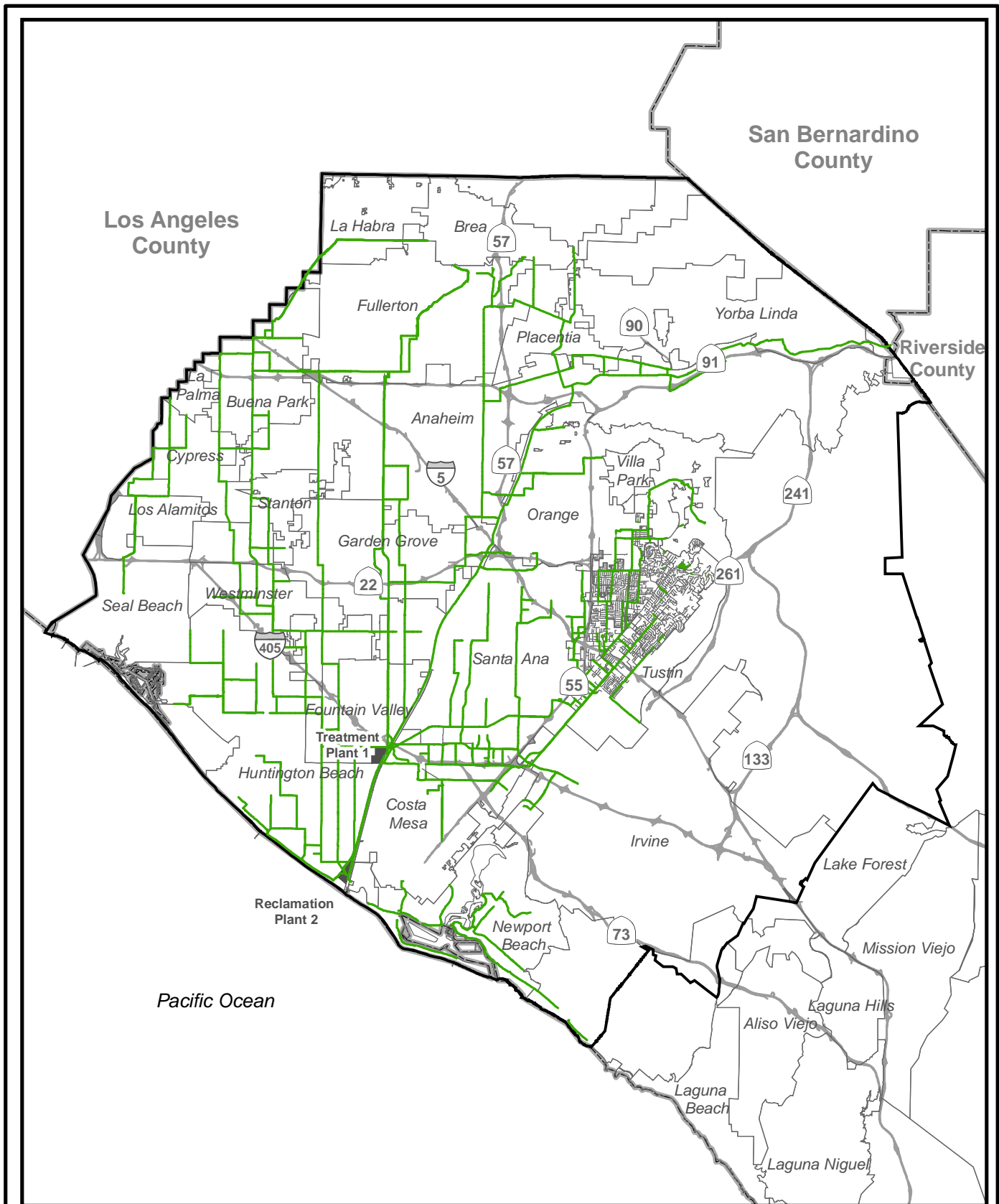
### 1.4.1 Service Area Annexation

The Sanitation District proposes to annex approximately 7,816 acres to its service area in six locations as listed in Table 1 and shown on Figure 2. Annexation to the Sanitation District means that in the future, property owners could access regional sewerage and wastewater treatment services. Annexation to the Sanitation District service area would not entitle these areas to development. In addition, sewer connection and septic tank abandonment are not part of the proposed Plan. The purpose of the proposed annexation is to reduce the potential for groundwater contamination from failing septic tanks in these six locations. The proposed annexation would provide property owners with the option to abandon septic tanks and limit new septic tank installations in the future.

Annexation to the Sanitation District service area is coordinated with the Orange County Local Agency Formation Committee (LAFCO) and local cities and local sewerage agencies before service is initiated. Property is annexed by the Sanitation District in accordance with Ordinance No. OCSD-29. The ordinance stipulates that the property be annexed to an appropriate local sewerage agency, or that written approval is obtained from the designated local sewerage agency, such as a city, for the purpose of obtaining access to and use of the local sewer system that connects to the Sanitation District's system. Where an adjacent city has a sphere of influence encompassing an unincorporated area, the city's CEQA documentation for its General Plan should identify sewerage service facilities or policies for eventual sewer service of the sphere area. As shown in Table 1, local sewer agencies have been identified. For the six proposed annexations, local sewer system planning is currently the responsibility of the County of Orange. (Refer to County of Orange General Plan, Board of Supervisors Resolution 04-106, April 20, 2004). The six annexation areas are described below.

**Naval Weapons Station in Seal Beach.** This proposed annexation area is 5,101 acres and is currently used as a federal military facility. Local sewer agencies for this area include the County of Orange and the City of Seal Beach. The Sanitation District does not know of any proposed plans for changing the existing use of this area.

**Bolsa Chica.** This proposed annexation area is 1,680 acres and is currently an open space area. Local sewer agencies for this area include the County of Orange and the City of



\\galt\gis2\ocsd\plots\Figure 1\_ServiceArea.mxd 9/22/2006

**LEGEND**

- OCSD sewers
- OCSD maintained sewers
- OCSD Boundary
- City Boundaries
- Freeways



**Figure 1**  
Existing Service Area  
and Wastewater Facilities  
Orange County Sanitation District



TABLE 1  
Proposed Annexation

Local Sewer Agency	Location	Acres
County/City of Seal Beach	Naval Weapons Station in Seal Beach*	5,101
County/City of Huntington Beach	Bolsa Chica*	1,680
County/City of Orange	Upper Blind Canyon*	860
County/City of Anaheim	Yorba Regional Park	0.3
County/City of Orange	Crest De Ville Road Area	142
County/City of Orange	Anaheim Hills	33
<b>Total</b>		<b>7,816</b>

\*Areas dedicated as open space

**Huntington Beach.** The Sanitation District does not know of any proposed plans for changing the existing use of this area.

**Upper Blind Canyon.** This proposed annexation area is 860 acres and is currently an open space area. Local sewer agencies for this area include the County of Orange and the City of Orange. The Sanitation District does not know of any proposed plans for changing the existing use of this area.

**Yorba Regional Park.** This proposed annexation area is 0.3 acres and is currently occupied by one County of Orange structure. Local sewer agencies for this area include the County of Orange and the City of Anaheim. The Sanitation District does not know of any proposed plans for changing the existing use of this area.

**Crest De Ville Road Area.** This proposed annexation area is 142 acres and is currently occupied by 81 residential lots. Local sewer agencies for this area include the County of Orange and the City of Orange. The Sanitation District does not know of any proposed future development plans for this area.

**Anaheim Hills.** This proposed annexation area is 33 acres and is currently occupied by 19 residential lots. Local sewer agencies for this area include the County of Orange and the City of Orange. The Sanitation District does not know of any proposed future development plans for this area.

## 1.4.2 Collection System Improvements

As part of its ongoing strategic planning effort, the Sanitation District updates its Capital Improvement Plan (CIP) annually to reflect new information on asset condition, wastewater flows, and Orange County demographics. The CIP is reviewed and revised to ensure that wastewater facilities are adequately maintained and upgraded and that capital improvements are scheduled and completed in a timely and cost-effective manner. In April 2006, the Sanitation District completed a capacity analysis of its trunk sewer system as part of its 2006 Strategic Plan Update (Job No. J-101). This analysis supersedes the collection system element of the Sanitation District's 1999 Strategic Plan. The capacity analysis, based

on recent growth projections for Orange County and simulations of flows in the Sanitation District collection system under dry and wet weather conditions, identified portions of the collection system with potential capacity deficiencies through 2030. Recommended improvements based on the findings of the capacity analysis have been integrated into the CIP. Major improvements proposed to address existing and projected deficiencies in the regional trunk sewer system are listed in Table 2 and described below. See Figure 3 for locations of proposed improvements.

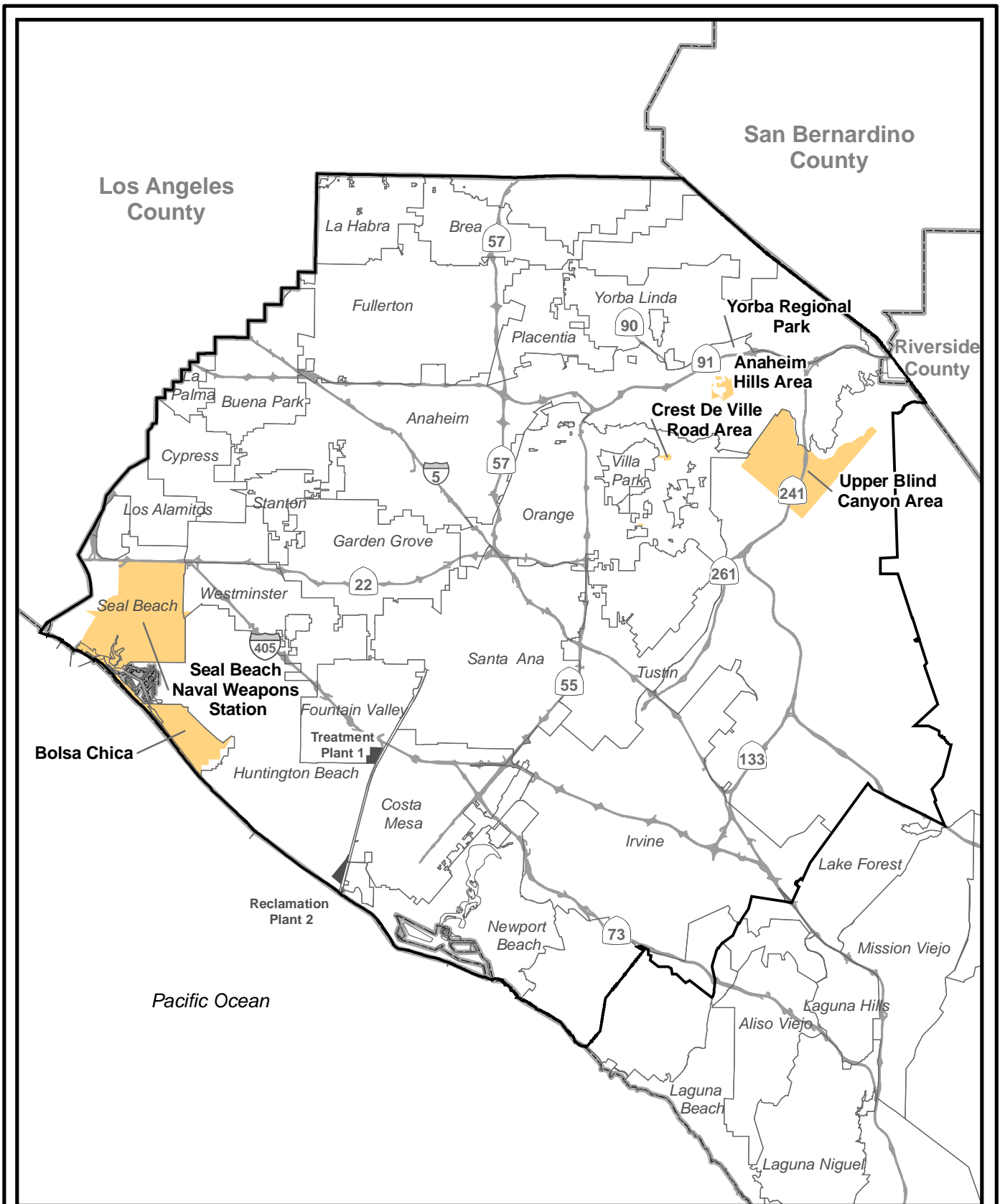
In addition to these major improvements, the Sanitation District performs repairs, replacements, and minor modifications to collection system facilities on an ongoing basis. Most of the collection system improvements take place in street right-of-ways within existing easements. Many of the projects include rehabilitation of existing sewers. Proposed improvements associated with capacity deficiencies would accommodate planned growth and would reduce surcharging (i.e. overburden) in sewers during wet weather. Typically, capacity improvements consist of replacement of the existing pipe with a larger-diameter pipe or installation of a new sewer adjacent to the existing sewer. Based on ongoing flow monitoring results, condition assessment, preliminary design, and coordination with local agencies, the proposed improvements and construction phase listed in Table 2 could change. Additionally, new improvements, similar to those described herein, are likely to be identified in future updates to the CIP.

**01-101 Raitt and Bristol Street Sewer Extension.** This project would replace the existing sewer in Myrtle Street, between Raitt and Bristol Streets in Santa Ana. The new pipe would relieve existing capacity deficiencies in both the Sanitation District and City of Santa Ana sewer systems. The scope of the project includes replacement of approximately 2,360 feet of 21-inch pipe with 24-inch pipe, replacement of a 21-inch siphon and installation of a new 8-inch pipe to connect house laterals. The project is scheduled for construction in 2008 to minimize risks from potential sewer failures.

**01-17 Santa Ana Trunk Sewer Rehabilitation.** This project would rehabilitate the existing Santa Ana Trunk sewer from the Sanitation District's Reclamation Plant No. 1 in Fountain Valley to Bristol Street in Santa Ana. The scope of the project includes rehabilitation of roughly 33 concrete manholes, and approximately 17,000 feet of unlined 42-inch and 48-inch diameter concrete pipe. A liner would be installed in the pipe to protect the concrete from hydrogen sulfide corrosion. The manholes would be coated with a protective liner, or replaced. This project would increase the life expectancy of the trunk sewer by 25 years. Construction is scheduled in 2008 to allow the sewer and access manholes to be repaired and to minimize the risk of potential sewer failures.

**02-49 Taft Branch Improvements.** This project would increase the size of a section of the Taft Branch sewer to provide additional capacity for planned developments such as the East Orange Development. The project would upsize approximately 1,200 feet of 15-inch diameter pipe along East Taft Avenue between Shaffer Street and Glassell Street in Orange. Construction is scheduled in 2012.

**02-52 Euclid Relief Improvements.** This project would increase the capacity of the Euclid Trunk system between Plant No. 1 and Edinger Avenue. The project could include installation of approximately 13,700 feet of large-diameter pipe in Euclid Street in the Cities of Fountain Valley and Santa Ana. The proposed improvements would accommodate



\\gal\gis2\ocsd\plots\Figure 2\_Annexations.mxd 9/22/2006

**LEGEND**

OCSD Boundary
  Proposed Annexations

City Boundaries
  Freeways



**Figure 2**  
**Proposed Annexations**  
 Orange County Sanitation District

Source: OCSD GIS Data, Thomas Brothers 2002.





TABLE 2  
Proposed Collection System Improvements

CIP No. <sup>1</sup>	Project Index <sup>2</sup>	Title	Location	Construction Phase
01-101	SAN-01	Raitt and Bristol Street Sewer Extension	Santa Ana	2008-2010
01-17		Santa Ana Trunk Sewer Rehabilitation	Fountain Valley, Santa Ana	2008-2011
02-49	SAR-02	Taft Branch Improvements	Orange	2012-2014
02-52	EUA-01	Euclid Relief Improvements	Fountain Valley, Santa Ana	2010-2012
02-65	NHP-01,02	Newhope Placentia and Cypress Trunk Replacement	Anaheim, Fullerton	2015-2017
02-71	EUB-01	Fullerton-Brea Interceptor Sewer Relief	Fullerton	2009-2011
03-55	KNT-01	Westside Relief Interceptor	La Palma, Cypress, Los Alamitos	2011-2013
03-58		Magnolia Trunk Rehabilitation	Fountain Valley, Westminster, Garden Grove, Stanton, Anaheim	2010-2012
03-59	MLR-01	Miller-Holder Trunk Sewer Relief	Buena Park	2010-2012
03-60	KNT-02	Beach Trunk-Knott Interceptor Sewer Relief	Buena Park	2010-2012
05-47		Balboa Trunk Sewer Rehabilitation	Newport Beach	2010-2012
05-XX		Newport Force Main Upgrades	Newport Beach	2010-2012
05-61		Bayside Drive Improvement	Newport Beach	2009-2011
05-63	RPT-01	Dover Drive Trunk Sewer Relief	Newport Beach	2009-2011
06-17	BPT-01	District 6 Trunk Sewer Relief	Costa Mesa, Newport Beach	2008-2010
06-18	BKR-01	Fairview Road Trunk Sewer Relief	Costa Mesa	2009-2011
07-60	HATS-01	Browning Subtrunk Sewer Relief	Tustin, Unincorporated Orange County	2009-2011
07-62	SUN-01	Von Karman Trunk Sewer Relief	Irvine	2011-2013
11-25	KNT-03 (30 -99 St. Plan)	Edinger-Bolsa Chica Trunk Improvements	Huntington Beach, Seal Beach	2013-2015
11-31	CST-01	Lake Avenue Interceptor Sewer Relief	Huntington Beach	2008-2010

<sup>1</sup> OCSD Budget Fiscal Years 2006-07 & 2007-08

<sup>2</sup> OCSD Strategic Plan Update, April 2006 (Job J-101)

projected increase in flow from planned developments such as Platinum Triangle in Anaheim. Construction is scheduled in 2010.

**02-65 Newhope Placentia and Cypress Trunk Replacement.** This project would increase the capacity of the Newhope Placentia and Cypress Trunk systems and the Rolling Hills

Subtrunk. Improvements would be constructed in the Cities of Anaheim and Fullerton, along State College Boulevard between East Orangewood Avenue and Yorba Linda Boulevard; along Yorba Linda Boulevard between Associated Road and State College Boulevard; and North of Bastanchury Road near Associated Road. The project could include installation of approximately 34,800 feet of 27- to 48-inch diameter pipe and 3,500 feet of 24- to 27-inch pipe. Project alternatives and related improvements such as rehabilitation of the Yorba Linda Pump Station would be considered in a subsequent study. Construction is scheduled in 2015

**02-71 Fullerton-Brea Interceptor Sewer Relief.** This project would either upsize approximately 2,200 feet of 12-inch diameter sewer near Rolling Hills Drive in Fullerton or reconfigure local sewers to divert flows from the Old Fullerton-Brea Trunk to the Fullerton-Brea Interceptor. Construction is scheduled in 2009.

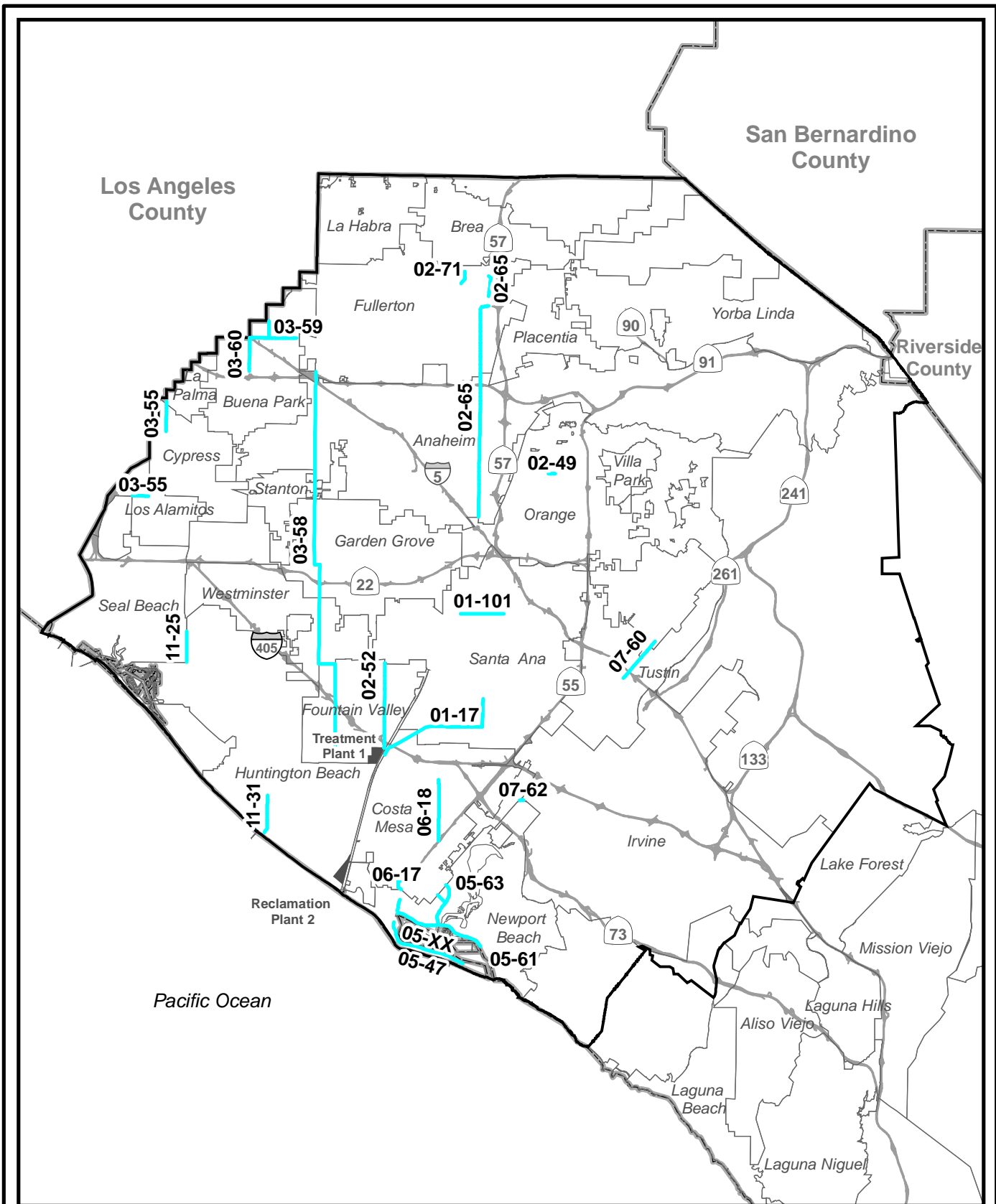
**03-55 Westside Relief Interceptor.** This project would increase the capacity of the Westside Relief Interceptor in La Palma, Cypress, and Los Alamitos. Improvements could include installation of 4,800 feet of 21-inch diameter pipe in Denni Street between Moorgate Drive and Lincoln Avenue, and installation of 2,600 feet of 33-inch diameter pipe in Katella Avenue between Bloomfield Street and Los Alamitos Boulevard. Improvements would be designed to accommodate projected growth in tributary areas and to minimize surcharging during wet weather. Construction is scheduled in 2011.

**03-58 Magnolia Trunk Rehabilitation.** This project would rehabilitate the existing Magnolia Trunk sewer along Bushard and Magnolia Streets, between Ellis Avenue and Orangethorpe Avenue, in the Cities of Fountain Valley, Westminster, Garden Grove, Stanton, and Anaheim. The scope of the project includes assessment and rehabilitation of approximately 12 miles of 39-inch and 78-inch of lined concrete pipe. Improvements could include relining the interior of concrete pipe damaged from hydrogen sulfide corrosion. Rehabilitation would increase the life expectancy of the trunk sewer by 25 to 30 years. Construction is scheduled in 2010.

**03-59 Miller-Holder Trunk Sewer Relief.** This project would increase the capacity of the Miller-Holder Trunk sewer in the City of Buena Park. Improvements could include installation of 9,800 feet of 24- to 36-inch diameter pipe in Artesia Boulevard between Dale Street and Knott Avenue, and in Knott Avenue between Artesia Boulevard and 8th Street. Construction is scheduled in 2010.

**03-60 Beach Trunk-Knott Interceptor Sewer Relief.** This project would increase the capacity of the Beach Relief Trunk and the Knott Interceptor sewers in the City of Buena Park. Improvements could include installation of 11,100 feet of 42- to 48-inch diameter pipe in Kingman Avenue between Tulare Street and Artesia Boulevard, in Artesia Boulevard between Kingman Avenue and Knott Avenue, and in Knott Avenue between Artesia Boulevard and Orangethorpe Avenue. Construction is scheduled in 2010.

**05-47 Balboa Trunk Sewer Rehabilitation.** This project would rehabilitate the existing Balboa Trunk sewer along Newport and Balboa Boulevards between the "A" Street Pump Station and the Lido Pump Station in the City of Newport Beach. The scope of the project includes assessment of approximately 12,600 feet of 15-inch and 24-inch of pipe. It is likely that a liner would be installed in the pipe to restore structural integrity. Deteriorated

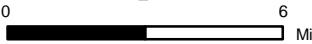


\\gait\gis2\ocsd\plots\Figure 3\_Improvements.mxd 9/22/2006

**LEGEND**

- Proposed Improvements
- OCSD Boundary
- City Boundaries
- Freeways

Note: Identification Numbering of Proposed Improvements correspond with Table 2.



Source: OCSD GIS Data, Thomas Brothers 2002.

**Figure 3**  
Proposed Improvements  
Orange County Sanitation District



manholes would be coated with a protective liner or replaced. The project would increase the life expectancy of the trunk sewer by 25 to 30 years. Construction is scheduled in 2010.

**05-XX Newport Force Main Upgrades.** The Sanitation District is in the process of assessing the condition of pipe in the Newport Beach force main system. The force main system extends from Bay Bridge and A Street pump stations to Bitter Point pump station in Newport Beach, along Coast Highway and Newport and Balboa Boulevards. Improvements could include upsizing and replacement of existing pipe and could be scheduled for construction as early as 2010, depending on the findings of the assessment.

**05-61 Bayside Drive Improvement.** This project would rehabilitate the existing Bayside Drive Trunk sewer along Bayside Drive between Jamboree Road and El Paseo Drive in the City of Newport Beach. The scope of the project includes approximately 3,500 feet of 36-inch pipe. It is likely that a liner would be installed in the pipe to prevent corrosion. The project would increase the life expectancy of the trunk sewer by 25 to 30 years. Construction is scheduled in 2009.

**05-63 Dover Drive Trunk Sewer Relief.** This project would increase the capacity of the Dover Drive Trunk sewer in the City of Newport Beach to accommodate planned growth and wet weather flows. The project could include replacement of portions of the existing Dover Trunk sewer as well as modifications to local sewers and installation of new sewer pipe in the area tributary to the Dover Trunk sewer. The existing 10,200-foot sewer extends along Dover Drive from Irvine Drive to Pacific Coast Highway and along Pacific Coast Highway from Dover Drive to the Rocky Point pump station near Balboa Bay Club & Resort. Construction is scheduled in 2009.

**06-17 District 6 Trunk Sewer Relief.** This project would increase the capacity of the District 6 Trunk which serves the Cities of Costa Mesa and Newport Beach. The existing 3,700-foot sewer ranges from 12 to 18 inches in diameter and extends along Pomona Avenue in Costa Mesa and along Newport Boulevard to Coast Highway in Newport Beach. Construction is scheduled in 2009.

**06-18 Fairview Road Trunk Sewer Relief.** This project would increase the capacity of the Fairview Trunk sewer in the City of Costa Mesa. The deficient 9,800-foot sewer ranges from 21 to 30 inches in diameter and extends along Fairview Avenue between Newport Boulevard and Baker Street. Alternatives for addressing existing capacity deficiencies will be considered prior to design of proposed trunk improvements. Construction is scheduled in 2009.

**07-60 Browning Subtrunk Sewer Relief.** This project would increase the capacity of the Browning Subtrunk sewer in the City of Tustin and in unincorporated Orange County. The existing 7,800-foot sewer ranges from 8 to 12 inches in diameter and extends along Browning Avenue between Rainbow Drive and Mitchell Avenue. Construction is scheduled in 2009.

**07-62 Von Karman Trunk Sewer Relief.** This project would increase the capacity of the Von Karman Trunk sewer in the City of Irvine. The deficient 700-foot section of 12-inch sewer extends along Campus Drive west of Martin Avenue. Alternatives for addressing existing capacity deficiencies would be considered prior to design of proposed trunk improvements. Construction is scheduled in 2011.

**11-25 Edinger-Bolsa Chica Trunk Improvements.** This project would increase the capacity of the Edinger-Bolsa Chica Trunk sewer in the City of Huntington Beach. The deficient 4,000-foot section of 12-inch diameter sewer extends along Bolsa Chica Street between Bolsa Avenue and Robinwood Drive. Alternatives for projected capacity deficiencies would be considered prior to design of proposed trunk improvements. Construction is scheduled in 2013.

**11-31 Lake Avenue Interceptor Sewer Relief.** This project would increase the capacity of the Lake Avenue Trunk sewer in the City of Huntington Beach. The existing trunk sewer ranges from 15 to 18 inches in diameter and extends along Lake Avenue between Adams Avenue and Pacific Coast Highway. Simulated deficiencies would be confirmed and alternatives considered prior to design of proposed trunk improvements. Construction is scheduled in 2008.

## 1.5 Discussion of Potential Impacts

The PEIR will focus on potential impacts associated with the proposed Sanitation District service area annexations and proposed improvements to the collection system. The proposed Plan could have potentially significant impacts to the following environmental areas: air quality, biological resources, cultural resources, geology and soils, hazards and hazardous materials, hydrology and water quality, land use and planning, noise, population and housing, public services, and transportation and traffic. Potentially significant impacts associated with these environmental areas will be evaluated in the PEIR. The Environmental Checklist and Environmental Evaluation are provided in the following sections.

## 2.0 Environmental Checklist Form

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1. **Project Title:**  
Service Area Annexation and Collection System Improvement Plan (Plan)
2. **Lead Agency Name and Address:**  
Orange County Sanitation District (Sanitation District)  
10844 Ellis Avenue  
Fountain Valley, CA 92708
3. **Contact Person and Phone Number:**  
Jim Burror: (714) 593-7335
4. **Project Location:**  
Sanitation District Collection System Service Area
5. **Project Sponsor's Name and Address:**  
Orange County Sanitation District (Sanitation District)  
10844 Ellis Avenue  
Fountain Valley, CA 92708
6. **General Plan Designation:**  
The collection system service area is largely designated as residential, commercial, and industrial.
7. **Zoning:**  
The collection system service area is largely zoned to reflect residential, commercial, and industrial use designations.
8. **Description of Project:**  
The Sanitation District proposes to annex unincorporated property in Orange County that is directly adjacent to or surrounded by the current Sanitation District service area. This annexation would facilitate abandonment of existing septic tanks in residential areas and provide an alternative to installation of new septic tanks in vacant areas. The Sanitation District also proposes to make improvements to the regional collection system to accommodate existing and planned growth in northern and central Orange County.
9. **Surrounding Land Uses and Setting:**  
The collection system service area is highly urbanized and primarily consists of residential, commercial, and industrial uses, with more limited recreational, agricultural, and open space uses.
10. **Other Public Agencies Whose Approval is Required:**  
The Sanitation District may be required to obtain approvals from the County of Orange, LAFCO, resource agencies, and the various cities that fall within its service area. Such approvals may include encroachment permits, easements, traffic lane closure agreements, and construction storm water permits.

**Environmental Factors Potentially Affected:**

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a “Potentially Significant Impact” as indicated by the checklist on the following pages.

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Aesthetics                      | <input checked="" type="checkbox"/> Hazards & Hazardous Materials | <input checked="" type="checkbox"/> Public Services                    |
| <input type="checkbox"/> Agriculture Resources           | <input checked="" type="checkbox"/> Hydrology/Water Quality       | <input type="checkbox"/> Recreation                                    |
| <input checked="" type="checkbox"/> Air Quality          | <input checked="" type="checkbox"/> Land Use/Planning             | <input checked="" type="checkbox"/> Transportation/Traffic             |
| <input checked="" type="checkbox"/> Biological Resources | <input type="checkbox"/> Mineral Resources                        | <input type="checkbox"/> Utilities/Service Systems                     |
| <input checked="" type="checkbox"/> Cultural Resources   | <input checked="" type="checkbox"/> Noise                         | <input checked="" type="checkbox"/> Mandatory Findings of Significance |
| <input checked="" type="checkbox"/> Geology/Soils        | <input checked="" type="checkbox"/> Population/Housing            |  |

**Determination:** (To be completed by the Lead Agency)

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed name

\_\_\_\_\_  
For



## Evaluation of Environmental Impacts:

- 1) A brief explanation is required for all answers except “No Impact” answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A “No Impact” answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A “No Impact” answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
- 2) All answers must take account of the whole action involved, including offsite as well as onsite, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
- 3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. “Potentially Significant Impact” is appropriate if there is substantial evidence that an effect may be significant. If there are one or more “Potentially Significant Impact” entries when the determination is made, an EIR is required.
- 4) “Negative Declaration: Less Than Significant With Mitigation Incorporation” applies where the incorporation of mitigation measures has reduced an effect from “Potentially Significant Impact” to a “Less Than Significant Impact.” The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section XVII, “Earlier Analyses,” may be cross-referenced).
- 5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
  - a) Earlier Analysis Used. Identify and state where they are available for review.
  - b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
  - c) Mitigation Measures. For effects that are “Less than Significant with Mitigation Incorporation,” describe the mitigation measures that were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
- 6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

- 7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
- 8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
- 9) The explanation of each issue should identify:
  - a) the significance criteria or threshold, if any, used to evaluate each question; and
  - b) the mitigation measure identified, if any, to reduce the impact to less than significance.

<b>Issues:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant With Mitigation Incorporation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
<b>I. AESTHETICS – Would the project:</b>				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>II. AGRICULTURE RESOURCES – In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:</b>				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>III. AIR QUALITY – Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:</b>				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions, which exceed quantitative thresholds for ozone precursors)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Issues:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant With Mitigation Incorporation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>IV. BIOLOGICAL RESOURCES – Would the project:</b>				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>V. CULTURAL RESOURCES – Would the project:</b>				
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Issues:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant With Mitigation Incorporation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
d) Disturb any human remains, including those interred outside of formal cemeteries?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

#### VI. GEOLOGY AND SOILS – Would the project:

- |  |                                     |                          |                                     |                                     |
|--|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:   |                                     |                          |                                     |                                     |
| i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| ii) Strong seismic ground shaking?   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| iii) Seismic-related ground failure, including liquefaction?   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| iv) Landslides?  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b) Result in substantial soil erosion or the loss of topsoil?  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or offsite landslide, lateral spreading, subsidence, liquefaction or collapse?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

#### VII. HAZARDS AND HAZARDOUS MATERIALS – Would the project:

- |   |                                     |                          |                          |                          |
|---|-------------------------------------|--------------------------|--------------------------|--------------------------|
| a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?                                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

<b>Issues:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant With Mitigation Incorporation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
d) Be located on a site, which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>VIII. HYDROLOGY AND WATER QUALITY – Would the project:</b>				
a) Violate any water quality standards or waste discharge requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level, which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner, which would result in substantial erosion or siltation on- or offsite?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner, which would result in flooding on- or offsite?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<b>Issues:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant With Mitigation Incorporation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
e) Create or contribute runoff water, which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Otherwise substantially degrade water quality?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Place within a 100-year flood hazard area structures, which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j) Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>IX. LAND USE AND PLANNING – Would the project:</b>				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>X. MINERAL RESOURCES – Would the project:</b>				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>XI. NOISE – Would the project result in:</b>				
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Issues:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant With Mitigation Incorporation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>XII. POPULATION AND HOUSING – Would the project:</b>				
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>XIII. PUBLIC SERVICES</b>				
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
a) Fire protection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



<b>Issues:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant With Mitigation Incorporation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
<b>XIV. RECREATION</b>				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>XV. TRANSPORTATION/TRAFFIC – Would the project:</b>				
a) Cause an increase in traffic, which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in inadequate emergency access?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) Result in inadequate parking capacity?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>XVI. UTILITIES AND SERVICE SYSTEMS – Would the project:</b>				
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<b>Issues:</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant With Mitigation Incorporation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
c) Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**XVII. MANDATORY FINDINGS OF SIGNIFICANCE**

- |  |                                     |                          |                          |                          |
|--|-------------------------------------|--------------------------|--------------------------|--------------------------|
| a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c) Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

# 3.0 Environmental Evaluation

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The following evaluation provides responses to the questions in the Environmental Checklist. A brief explanation for each question in the Environmental Checklist is provided to adequately support each impact determination. All responses consider the whole of the action involved, including construction and operational impacts as well as direct and indirect impacts. Environmental factors potentially affected by the proposed project are presented below and organized according to the format of the Environmental Checklist.

## I. Aesthetics

Would the project:

- a) Have a substantial adverse effect on a scenic vista?

**No Impact** – All construction would occur within developed areas and within the existing collection system right-of-way. The proposed annexations would have no effect on a scenic vista. This issue will not be addressed in the PEIR.

- b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

**No Impact** – The proposed Plan would not affect a state scenic highway designated by the California Department of Transportation (Caltrans) under the California Scenic Highways Program (Caltrans, 2000). This issue will not be addressed in the PEIR.

- c) Substantially degrade the existing visual character or quality of the site and its surroundings?

**Less Than Significant Impact** – The proposed Plan would include the construction of collection system improvements. All construction would occur within developed areas and within existing collection system rights-of-way. Temporary impacts associated with construction activity would be less than significant. These impacts would not substantially degrade the existing visual character or quality of the site and its surroundings because they would occur within developed areas and within existing collection system rights-of-way. Collection system improvements would primarily be located below ground surface and their operation would not substantially degrade the existing visual character or quality of the site and its surroundings. The proposed annexations would have no impact on the existing visual character or quality of the site and its surroundings. This issue will not be addressed in the PEIR.

- d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

**Less Than Significant Impact** – The proposed Plan would include the construction and operation of collection system improvements. Construction activities would primarily occur during the day and would not create a new source of substantial light or glare that

would adversely affect daytime views in the area. Construction activities would occasionally occur at nighttime to minimize potential daytime traffic impacts. However, nighttime construction would be infrequent and night lighting would be focused to areas where activities are occurring and all light sources would be directed away from any residential areas or open areas frequented by wildlife. Because night lighting would be infrequent and would occur within developed areas, within existing collection system rights-of-way, it would not create a new source of substantial light or glare that would adversely affect nighttime views in the area. Collection system improvements would primarily be located below ground surface and their operation would not create a new source of substantial light or glare that would adversely affect nighttime views in the area. The proposed annexations would have no impact on day or nighttime views in the area. This issue will not be addressed in the PEIR.

## II. Agricultural Resources

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:

- a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

**No Impact** - The proposed Plan is not located in any areas of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. Additionally, the proposed Plan does not involve converting farmland to non-agricultural use. The proposed Plan would have no impact on any areas of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. This issue will not be addressed in the PEIR.

- b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

**No Impact** - The proposed collection system improvements would occur within developed areas and within existing collection system rights-of-way. These areas are not zoned for agricultural use and are not under a Williamson Act contract. The proposed annexations would not conflict with zoning for agricultural use, or a Williamson Act contract. This issue will not be addressed in the PEIR.

- c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?

**No Impact** - The proposed collection system improvements would occur within developed areas and within existing collection system rights-of-way. The proposed annexations would not result in the conversion of Farmland to non-agricultural use. This issue will not be addressed in the PEIR.

### III. Air Quality

Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations.

#### Significance Criteria

Thresholds of significance for air emissions have been established by the South Coast Air Quality Management District (SCAQMD) and are set forth in the SCAQMD CEQA Air Quality Handbook, November 1993 Revision. These thresholds are provided below.

#### Thresholds of Significance for Construction Emissions:

- 75 pounds per day of reactive organic compounds (ROC)
- 100 pounds per day of nitrogen oxides (NO<sub>x</sub>)
- 550 pounds per day of carbon monoxide (CO)
- 150 pounds per day of particulate matter less than 10 microns in diameter (PM<sub>10</sub>)
- 150 pounds per day of sulfur oxides (SO<sub>x</sub>)

Projects in the South Coast Air Basin with construction related emissions that exceed any of the emissions thresholds may be considered to have significant air quality impacts.

#### Thresholds of Significance for Operational Emissions:

- 55 pounds per day of ROC
- 55 pounds per day of NO<sub>x</sub>
- 550 pounds per day of CO
- 150 pounds per day of PM<sub>10</sub>
- 150 pounds per day of SO<sub>x</sub>

Projects in the South Coast Air Basin with construction related emissions that exceed any of the emissions thresholds may be considered to have significant air quality impacts.

Would the project:

- a) Conflict with or obstruct implementation of the applicable air quality plan?

**No Impact** - The proposed Plan would not conflict with or obstruct implementation of the Air Quality Management Plan (AQMP) prepared by the SCAQMD. This issue will not be addressed in the PEIR.

- b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?

**Potentially Significant Impact** - The proposed Plan is located in the SCAQMD South Coast Air Basin. Potential air quality impacts associated with the proposed Plan would result from temporary construction activities and ongoing operations activities. Emissions associated with construction and operations could exceed thresholds of significance. The PEIR will evaluate potential emissions impacts and recommend mitigation measures, if needed.

- c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions that exceed quantitative thresholds for ozone precursors)?

**Potentially Significant Impact** – Potential air quality impacts associated with the proposed Plan would result from temporary construction activities and ongoing operations activities. As described in Response III. B, the proposed Plan could result in the exceedence of a threshold of significance. The proposed Plan may result in a cumulatively considerable net increase of a criteria pollutant for which the project region is in nonattainment under an applicable federal or state ambient air quality standard. The PEIR will evaluate potential impacts associated with cumulatively considerable net increases of criteria pollutants and recommend mitigation measures, if needed.

- d) Expose sensitive receptors to substantial pollutant concentrations?

**Potentially Significant Impact** - Sensitive receptors include schools, hospitals, and convalescent homes. Children, elderly people, and the infirm are considered to be more sensitive than others to criteria air pollutants. Criteria air pollutants are those that are associated with numerous effects on human health. As described in Response III. B, the proposed Plan could result in the exceedence of a threshold of significance. This may result in the exposure of sensitive receptors to substantial pollutant concentrations. The PEIR will evaluate potential impacts associated with exposure of sensitive receptors to substantial pollutant concentrations and recommend mitigation measures, if needed.

- e) Create objectionable odors affecting a substantial number of people?

**Potentially Significant Impact** – The proposed Plan activities could create a minimal amount of objectionable odors resulting from the use of heavy equipment. Collection system improvements could also result in potential exposure to the environment of odorous gases associated with wastewater systems. The PEIR will evaluate potential impacts associated with objectionable odors and recommend mitigation measures, if needed.

## IV. Biological Resources

Would the project:

- a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

**Potentially Significant Impact** - The proposed collection system improvements would occur within developed areas and within existing collection system rights-of-way, and generally would not affect habitat or identified species. However, there may be limited segments that could potentially have an adverse effect on habitat or identified species. The PEIR will evaluate potential impacts to habitat or identified species and will recommend mitigation measures, if needed.

- b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?

**Potentially Significant Impact** - The proposed collection system improvements would occur within developed areas and within existing collection system rights-of-way, and generally would not support riparian habitat or other sensitive natural communities. However, there may be limited segments that could potentially have an adverse effect on riparian habitat or other sensitive natural communities. The PEIR will evaluate potential impacts to riparian habitat or other sensitive natural communities and will recommend mitigation measures, if needed.

- c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

**Potentially Significant Impact** - The proposed collection system improvements would occur within developed areas and within existing collection system rights-of-way, and generally do not contain any federally protected wetlands; nor are the proposed annexations located near any federally protected wetlands. However, there may be limited segments that could potentially have an adverse effect on federally protected wetlands. The PEIR will evaluate potential impacts to federally protected wetlands and will recommend mitigation measures, if needed.

- d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

**No Impact** - The proposed collection system improvements would occur within developed areas and within existing collection system rights-of-way, and would not support native habitat or any migratory fish or wildlife species. The proposed annexations would have no effect on biological resources. No impacts to these resources are anticipated as a result of the proposed Project. This issue will not be addressed in the PEIR.

- e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

**No Impact** - The proposed collection system improvements would occur within developed areas and within existing collection system rights-of-way, and would not conflict with any local policies or ordinances protecting biological resources. The proposed annexations would have no effect on biological resources. No impact with any local policies or ordinances protecting biological resources would occur. This issue will not be addressed in the PEIR.

- f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

**No Impact** - The proposed collection system improvements are outside of the Orange Coastal/Central Natural Community Conservation Plan (NCCP), which is a special area

management plan established to protect prime habitat and state-listed species in Orange County. The proposed annexations would not conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan. This issue will not be addressed in the PEIR.

## V. Cultural Resources

Would the project:

- a) Cause a substantial adverse change in the significance of a historical resource as defined in section 15064.5?

**No Impact** - The proposed collection system improvements would occur within developed areas and within existing collection system rights-of-way, and would not cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5. The proposed annexations would have no effect on historical resources. The proposed Plan would have no impact on a historic resource as defined in Section 15064.5. This issue will not be addressed in the PEIR.

- b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to section 15064.5?

**Potentially Significant Impact** - The proposed collection system improvements would occur within developed areas and within existing collection system rights-of-way. As such, the proposed improvements would primarily impact areas that have already been disturbed. However, construction could involve excavation into undeveloped lands. The PEIR will evaluate potential impacts to archaeological resources and will recommend mitigation measures, if needed.

- c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

**Potentially Significant Impact** - The proposed collection system improvements would occur within developed areas and within existing collection system rights-of-way. As such, the proposed improvements would primarily impact areas that have already been disturbed. However, construction could involve excavation into undeveloped lands. The PEIR will evaluate potential impacts to paleontological resources and will recommend mitigation measures, if needed.

- d) Disturb any human remains, including those interred outside of formal cemeteries?

**Potentially Significant Impact** - The proposed collection system improvements would occur within developed areas and within existing collection system rights-of-way. As such, the proposed improvements would primarily impact areas that have already been disturbed. However, construction could involve excavation into undeveloped lands. The PEIR will evaluate potential impacts to human remains and will recommend mitigation measures, if needed.



## VI. Geology and Soils

Would the project:

- a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:
  - i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

**Potentially Significant Impact** – The proposed Plan falls within several earthquake fault zones, as delineated on the Alquist-Priolo Earthquake Fault Zoning Map. The proposed collection system improvements are to an existing system and would be designed and constructed in conformance with the Uniform Building Code and California Building Code seismic engineering standards (UBC, 1997 and CBC, 2001, respectively) and other applicable building codes. The proposed annexations would result in no change to the exposure of people or structures to adverse effects associated with rupture of a known earthquake fault. Exposure of people or structures to potential substantial adverse effects, including risk of loss, injury, or death, from the rupture of a known earthquake fault as a result of the proposed collection system improvements could occur. The PEIR will evaluate potential impacts associated with rupture of a known earthquake fault and will recommend mitigation measures, if needed.

- ii) Strong seismic ground shaking?

**Potentially Significant Impact** – The proposed Plan is located in a seismically active area, as is much of Southern California, and there is the potential for strong seismic ground shaking. Part of the Newport-Inglewood Fault is within the proposed Plan area. Other notable faults that are outside the proposed Plan area, but within the regional vicinity, include: the Palos Verdes Fault, Elsinore-Whittier Fault, and the San Andreas Fault. The proposed collection system improvements are to an existing system and would be designed and constructed in conformance with the Uniform Building Code and California Building Code seismic engineering standards (UBC, 1997 and CBC, 2001, respectively) and other applicable building codes. The proposed annexations would result in no change to the exposure of people or structures to adverse effects associated with strong seismic ground shaking. Exposure of people or structures to potential substantial adverse effects, including risk of loss, injury, or death, from strong seismic ground shaking as a result of the proposed collection system improvements could occur. The PEIR will evaluate potential impacts associated with strong seismic ground shaking and will recommend mitigation measures, if needed.

- iii) Seismic-related ground failure, including liquefaction?

**Potentially Significant Impact** – The potential for seismic-related ground failure is associated with the probability of severe ground shaking as a result of an earthquake or a nearby active fault. Liquefaction is the phenomenon where saturated granular

soils develop high pore water pressures during seismic shaking and behave like a heavy fluid. This phenomenon generally occurs in areas of high seismicity where groundwater is shallow and loose granular soils or hydraulic fill soils subject to liquefaction are present. For liquefaction to develop loose granular sediments below the groundwater table must be present and shaking of sufficient magnitude and duration must occur. Parts of the proposed collection system improvements would occur in areas that may be vulnerable to liquefaction. In these areas appropriate design considerations would be made to ensure the proposed collection system improvements do not expose people or structures to potential substantial adverse effects, including risk of loss, injury, or death, from seismic-related ground failure, including liquefaction. The proposed annexations would result in no change to the exposure of people or structures to adverse effects associated with seismic-related ground failure, including liquefaction. Exposure of people or structures to potential substantial adverse effects, including risk of loss, injury, or death, from seismic-related ground failure, including liquefaction, as a result of the proposed collection system improvements could occur. The PEIR will evaluate potential impacts associated with strong seismic-related ground failure, including liquefaction, and will recommend mitigation measures, if needed.

iv) Landslides?

**Less Than Significant Impact** – The proposed collection system improvements are to an existing system and would not result in a new exposure of people or structures to adverse effects associated with landslides. The proposed annexations would result in no change to the exposure of people or structures to adverse effects associated with landslides. Exposure of people or structures to potential substantial adverse effects, including risk of loss, injury, or death, associated with landslides as a result of the proposed collection system improvements and proposed annexations is considered to be a less than significant impact. This issue will not be addressed in the PEIR.

b) Result in substantial soil erosion or the loss of topsoil?

**Less Than Significant Impact** – The proposed collection system improvements would require excavation of earthen material and, where suitable, on-site soils would be reused as fill. Excavation spoil would be watered or stored within contained areas to limit loss of topsoil due to wind erosion. Additionally, the proposed collection system improvements would be to an existing system and would occur within developed areas and within existing collection system rights-of-way. In this regard, exposure of topsoil to loss due to wind erosion would be limited to areas where collection system improvements occur. The proposed annexations would have no impact to soil erosion or loss of topsoil. The proposed Plan would result in a less than significant impact associated with substantial soil erosion or loss of topsoil. This issue will not be addressed in the PEIR.

c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

**Potentially Significant Impact** – Evaluation of liquefaction and landslides is provided in responses VI a. iii and iv. The proposed collection system improvements would be designed and constructed in conformance with the Uniform Building Code and California Building Code seismic engineering standards (UBC, 1997 and CBC, 2001, respectively) and other applicable building codes. Backfill would be placed to meet standard engineering design requirements and local grading practices. The proposed annexations would not result in a new impact associated with being located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project. Potential impacts due to an unstable geologic unit or soil, including on-or offsite landslides, lateral spreading, subsidence, liquefaction, or collapse could occur. The PEIR will evaluate potential impacts associated with on-or off-site lateral spreading, subsidence, or collapse, and will recommend mitigation measures, if needed.

- d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

**Less Than Significant Impact** – Section 1803.2 of the Uniform Building Code pertains to foundations and requires special design considerations for structures resting on soils with an expansion index greater than 20, as defined by Table 18-1-B of the UBC. The proposed collection system improvements would be to an existing system and would be designed in compliance with requirements of governing jurisdictions and applicable building codes. The proposed annexations would not result in a new impact associated with expansive soils. The proposed Plan would not result in a significant adverse impact from expansive soils, as defined in Table 18-1-B of the UBC, creating substantial risk to life or property. This issue will not be addressed in the PEIR.

- e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

**No Impact** – No septic tanks or alternative wastewater disposal systems would be installed as part of the proposed Plan. The proposed Plan would not result in impacts related to septic tanks or alternative wastewater disposal systems. Further, this effort would allow for the removal of existing septic tanks in the annexation areas. This issue will not be addressed in the PEIR.

## VII. Hazards and Hazardous Materials

Would the project:

- a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

**Potentially Significant Impact** – The proposed collection system improvements could use construction material that could be considered hazardous. Operation of the proposed collection system improvements could involve the transport and use of material similar to that could be considered hazardous. The PEIR will evaluate potential impacts associated with routine transport, use, or disposal of hazardous materials and will recommend mitigation measures, if needed.

- b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

**Potentially Significant Impact** – Refer to response VII. a. The proposed collection system improvements could generate hazardous materials. The PEIR will evaluate potential impacts associated with upset and accident conditions involving the release of hazardous materials into the environment and will recommend mitigation measures, if needed.

- c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

**Potentially Significant Impact** – Construction and operation of the proposed collection system improvements could potentially emit hazardous emissions, or handle hazardous or acutely hazardous materials or waste within one-quarter mile of an existing or proposed school. The PEIR will evaluate potential impacts associated with hazardous emissions or handling hazardous materials within one-quarter mile of an existing or proposed school and will recommend mitigation measures, if needed.

- d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

**No Impact** – The proposed Plan would have no impacts associated with hazards to the public or environment that could result from being located on a site on the list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. This issue will not be addressed in the PEIR.

- e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

**No Impact** – The proposed Plan would have no safety hazard impacts on people associated with activities within an airport land use plan. This issue will not be addressed in the PEIR.

- f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?

**No Impact** – The proposed Plan would have no safety hazard impacts on people associated with activities within the vicinity of a private airstrip. This issue will not be addressed in the PEIR.

- g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

**Potentially Significant Impact** - Construction of collection system improvements within existing collection system rights-of-way could encroach on traffic lanes along arterial roadways and could hinder emergency evacuation. The PEIR will evaluate potential traffic impacts and recommend mitigation measures, if needed.

- h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

**No Impact** – The proposed collection system improvements would occur within developed areas and within existing collection system rights-of-way. The proposed annexations would have no impact associated with wildland fires. The proposed Plan is not anticipated to have an adverse impact related to the exposure of people or structures to a significant risk of loss, injury, or death involving wildland fires. This issue will not be addressed in the PEIR.

## VIII. Hydrology and Water Quality

Would the project:

- a) Violate any water quality standards or waste discharge requirements?

**Potentially Significant Impact** – During construction of proposed collection system improvements, activities such as excavation and structure construction would result in the disturbance of soil. During storm events, stormwater runoff could carry sediments and other substances from construction activities, resulting in stormwater pollution discharges to the storm drain system and, ultimately, nearby receiving waters. The PEIR will evaluate potential water quality impacts and recommend mitigation measures, if needed.

- b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?

**No Impact** – Construction of proposed collection system improvements would not result in a depletion of groundwater supplies and operation would not interfere with groundwater recharge. The proposed annexations would have no affect on groundwater supplies or recharge. This issue will not be addressed in the PEIR.

- c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?

**No Impact** - The proposed collection system improvements would occur within developed areas and within existing collection system rights-of-way and would not substantially alter the existing drainage pattern of the site or area. The proposed annexations would not affect the existing drainage pattern of the site or area, would not alter the course of a river or stream, and would not result in substantial erosion or siltation on- or offsite. This issue will not be addressed in the PEIR.

- d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?

**No Impact** - The proposed collection system improvements would occur within developed areas and within existing collection system rights-of-way and would not affect the existing drainage pattern of the site or area, would not alter the course of a river or stream, and would not substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite. The proposed annexations would not affect the existing drainage pattern of the site or area, would not alter the course of a river or stream, and would not substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite. This issue will not be addressed in the PEIR.

- e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

**No Impact** - The proposed collection system improvements would not create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff. All construction dewatering associated with excavation would be discharged to the sanitary sewer. The proposed annexations would not affect the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff. This issue will not be addressed in the PEIR.

- f) Otherwise substantially degrade water quality?

**Potentially Significant Impact** - Refer to Response VIII. a, which addresses impacts to water quality. The PEIR will evaluate potential water quality impacts and recommend mitigation measures, if needed.

- g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?

**No Impact** - The proposed Plan does not include housing. This issue will not be addressed in the PEIR.

- h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?

**No Impact** - The proposed collection system improvements would primarily occur below ground surface and would not impede or redirect flood flows. Limited above ground improvements consist of upgrades to existing facilities and would not result in the impediment or redirection of flood flows. The proposed annexations do not include the placement of structures. This issue will not be addressed in the PEIR.

- i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?

**No Impact** - The proposed Plan would not expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam. This issue will not be addressed in the PEIR.

- j) Inundation by seiche, tsunami, or mudflow?

**No Impact** – The proposed Plan would not likely have impacts related to seiche, tsunami, or mudflow. This issue will not be addressed in the PEIR.

## IX. Land Use and Planning

Would the project:

- a) Physically divide an established community?

**No Impact** – The proposed Plan would include the construction of collection system improvements. All construction would occur within developed areas and within existing collection system rights-of-way and would not physically divide an established community. Additionally, the proposed annexations would have no effect on an established community. This issue will not be addressed in the PEIR.

- b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?

**Potentially Significant Impact** – The proposed collection system improvements would occur within developed areas and within existing collection system rights-of-way. Construction of collection system improvements may conflict with an existing plan or regulation. The PEIR will evaluate potential land use and planning impacts associated with conflicts with applicable land use plans, policies, or regulations and recommend mitigation measures, if needed.

As described in the project description, annexation to the Sanitation District service area is coordinated with the LAFCO, local cities, and local sewerage agencies before service is initiated. Property is annexed by the Sanitation District in accordance with Ordinance No. OCSD-29. The ordinance stipulates that the property be annexed to an appropriate local sewerage agency, or that written approval is obtained from the designated local sewerage agency, such as a city, for the purpose of obtaining access to and use of the local sewer system that connects to the Sanitation District's system. Because the proposed annexations would be coordinated with LAFCO and in accordance with existing ordinances, and because the proposed annexations would not change the existing land use of the areas, the proposed Plan would not conflict with any applicable land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect. This issue will not be addressed in the PEIR.

- c) Conflict with any applicable habitat conservation plan or natural community conservation plan?

**No Impact** – The proposed collection system improvements are outside of the NCCP, which is a special area management plan established to protect prime habitat and state-listed species in Orange County. The proposed annexations would not conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan. This issue will not be addressed in the PEIR.

## X. Mineral Resources

Would the project:

- a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

**No Impact** - The proposed collection system improvements would occur within developed areas and within existing collection system rights-of-way and would not result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state. The proposed annexations would have no affect on mineral resources. This issue will not be addressed in the PEIR.

- b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

**No Impact** - The proposed collection system improvements and annexations would have no affect on mineral resources. This issue will not be addressed in the PEIR.

## XI. Noise

Would the project result in:

- a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

**Potentially Significant Impact** – Temporary noise increases along collection system improvement areas would occur during construction. Additionally, system improvements could result in equipment upgrades that could affect the noise environment. The PEIR will evaluate potential noise impacts, including exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies, and recommend mitigation measures, if needed.

- b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?

**Potentially Significant Impact** – Construction of collection system improvements could result in the exposure of persons to or generation of groundborne vibration or noise. The PEIR will evaluate potential noise exposure impacts and recommend mitigation measures, if needed.

- c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?

**Potentially Significant Impact** – System improvements could result in equipment upgrades that produce a substantial permanent increase in ambient noise levels. The PEIR will evaluate potential noise impacts and recommend mitigation measures, if needed.



- d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?

**Potentially Significant Impact** – System improvements could result in equipment upgrades that produce a substantial temporary or periodic increase in ambient noise levels. The PEIR will evaluate potential noise impacts and recommend mitigation measures, if needed.

- e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

**Potentially Significant Impact** – Construction of a segment of the collection system improvements would occur within the vicinity of a public airport and could result in the exposure of people residing or working in the area to excessive noise levels. The PEIR will evaluate potential noise exposure impacts and recommend mitigation measures, if needed.

- f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

**Potentially Significant Impact** – Construction of a segment of the collection system improvements would occur within the vicinity of a private airstrip and could result in the exposure of people residing or working in the area to excessive noise levels. The PEIR will evaluate potential noise exposure impacts and recommend mitigation measures, if needed.

## XII. Population and Housing

Would the project:

- a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

**Potentially Significant Impact** – The proposed collection system improvements are part of the Sanitation District's CIP and were identified in the Sanitation District's April 2006 Strategic Plan Update, which included capacity analysis of the trunk sewer system. In particular, the proposed collection system improvements were identified to address existing and projected deficiencies in the regional trunk sewer system.

The purpose of the proposed annexations is to reduce the potential for groundwater contamination from failing septic tanks. Annexation to the Sanitation District service area occurs in accordance with Ordinance No. OCSD-29, and is coordinated with the LAFCO, local cities, and local sewerage agencies before service is initiated. Annexation to the Sanitation District means that property owners could access regional sewerage and wastewater treatment services. However, sewer connection and septic tank abandonment for the proposed annexation areas are not part of the proposed Plan.

Where an adjacent city has a sphere of influence encompassing an unincorporated area, the city's CEQA documentation for its General Plan should identify sewerage service

facilities or policies for eventual sewer service of the sphere area. As shown in Table 1, local sewer agencies have been identified for the six areas. For the proposed annexations, local sewer system planning is currently the responsibility of the County of Orange. (Refer to County of Orange General Plan, Board of Supervisors Resolution 04-106, April 20, 2004). Although the proposed annexations would not change the land use and planning policies of an approved General Plan, it nonetheless could potentially induce population growth by removing an obstacle to growth. The PEIR will evaluate potential growth inducing impacts and will recommend mitigation measures, if needed.

- b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

**No Impact** - The proposed Plan would have no impact associated with displacing existing housing or necessitating the construction of replacement housing. This issue will not be addressed in the PEIR.

- c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

**No Impact** - The proposed Project would have no impact associated with displacing people or necessitating the construction of replacement housing. This issue will not be addressed in the PEIR.

### XIII. Public Services

- a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

Fire protection?

Police protection?

Schools?

Parks?

Other public facilities?

**Potentially Significant Impact** - The proposed collection system improvements could result in temporary construction impacts associated with disruption of fire and emergency services. The PEIR will evaluate potential public services impacts and will recommend mitigation measures, if needed.

Sewer connection and septic tank abandonment for the proposed annexation areas are not part of the proposed Plan. However, in the future sewer connection and septic tank abandonment could occur in these areas; evaluation of such impacts would be completed by a responsible agency prior to their occurrence. Therefore, the proposed annexations would not result in an adverse impact or additional need for fire protection,

police protection, schools, parks, or other public facilities. This issue will not be addressed in the PEIR.

## XIV. Recreation

- a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

**No Impact** - The proposed collection system improvements and annexations would not increase the use of existing neighborhood and regional parks or other recreational facilities. This issue will not be addressed in the PEIR.

- b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

**No Impact** - The proposed collection system improvements and annexations do not include recreational facilities or require the construction or expansion of recreational facilities. This issue will not be addressed in the PEIR.

## XV. Transportation/Traffic

Would the project:

- a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?

**Potentially Significant Impact** - The proposed collection system improvements would occur within developed areas and within existing collection system rights-of-way. The existing collection system rights-of-way are generally located within arterial roadways. Construction of collection system improvements could encroach on traffic lanes along arterial roadways and could result in a short-term increase in roadway and intersection congestion. The PEIR will evaluate potential traffic impacts and recommend mitigation measures, if needed.

- b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?

**Potentially Significant Impact** - Construction of collection system improvements within existing collection system rights-of-way could encroach on traffic lanes along arterial roadways on a short-term basis, and could result in a level of surface impact. The PEIR will evaluate potential traffic impacts and recommend mitigation measures, if needed.

- c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

**No Impact** - The proposed Plan would have no impact on air traffic patterns. This issue will not be addressed in the PEIR.

- d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

**No Impact** – The proposed Plan would not increase hazards due to design features or incompatible uses. This issue will not be addressed in the PEIR.

- e) Result in inadequate emergency access?

**Potentially Significant Impact** - Construction of collection system improvements within existing collection system rights-of-way could encroach on traffic lanes along arterial roadways and could hinder emergency access on a short-term basis. The PEIR will evaluate potential traffic impacts and recommend mitigation measures, if needed.

- f) Result in inadequate parking capacity?

**Less Than Significant Impact** – A small amount of curbside parking in front of proposed collection system improvements may be blocked off for construction vehicles and trucks. This would be temporary, during construction activities, and is not anticipated to result in inadequate parking. Operation of the proposed collection system improvements would not require parking spaces. The proposed annexations would have no impact to parking capacity. This issue will not be addressed in the PEIR.

- g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?

**No Impact** – The proposed Plan would not impact adopted policies, plans, or programs supporting alternative transportation. This issue will not be addressed in the PEIR.

## XVI. Utilities and Service Systems

Would the project:

- a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?

**No Impact** – The proposed collection system improvements are part of the Sanitation District's CIP and were identified in the Sanitation District's April 2006 Strategic Plan Update, which included capacity analysis of the trunk sewer system. In particular, the proposed collection system improvements were identified to address existing and projected deficiencies in the regional trunk sewer system. Because the collection system improvements are specific to existing and projected deficiencies in the regional trunk sewer system, they would not result in an unanticipated increase in the Sanitation District's treatment capacity. The proposed annexations would have no impact associated with an exceedence of wastewater treatment requirements. This issue will not be addressed in the PEIR.

- b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

**No Impact** – The proposed collection system improvements are part of the Sanitation District’s CIP and were identified in the Sanitation District’s April 2006 Strategic Plan Update, which included capacity analysis of the trunk sewer system. In particular, the proposed collection system improvements were identified to address existing and projected deficiencies in the regional trunk sewer system. Because the collection system improvements are specific to existing and projected deficiencies in the regional trunk sewer system, they would not result in the construction of new water or wastewater treatment facilities or expansion of existing facilities above what is included in the proposed Plan. The proposed annexations would have no impact associated with construction of new water or wastewater treatment facilities or expansion of existing facilities. This issue will not be addressed in the PEIR.

- c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

**No Impact** – No new or expansion of existing of existing storm water drainage facilities would result or be required as part of the proposed Plan. This issue will not be addressed in the PEIR.

- d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?

**No Impact** – The proposed Plan would not require the provision of new water supplies. Water entitlements and resources would not be impacted by the proposed Plan. This issue will not be addressed in the PEIR.

- e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project’s projected demand in addition to the provider’s existing commitments?

**No Impact** – The proposed collection system improvements are part of the Sanitation District’s CIP and were identified in the Sanitation District’s April 2006 Strategic Plan Update, which included capacity analysis of the trunk sewer system. In particular, the proposed collection system improvements were identified to address existing and projected deficiencies in the regional trunk sewer system. Because the collection system improvements are specific to existing and projected deficiencies in the regional trunk sewer system, they would not result in an impact associated with wastewater treatment capacity. The proposed annexations would have no impact associated with wastewater treatment capacity. This issue will not be addressed in the PEIR.

- f) Be served by a landfill with sufficient permitted capacity to accommodate the project’s solid waste disposal needs?

**Less Than Significant Impact** – Small amounts of debris or solid waste may be generated during construction of the proposed collection system improvements and would be transported to an approved solid waste disposal facility. Based on the small quantity of material, the proposed collection system improvements are not expected to affect the capacity of existing landfills. The proposed annexations would have no impact to the capacity of existing landfills. This issue will not be addressed in the PEIR.

- g) Comply with federal, state, and local statutes and regulations related to solid waste?

**No Impact** – Solid waste produced by the proposed Plan would be disposed of at a properly permitted facility in accordance with federal and state laws. This issue will not be addressed in the PEIR.

## XVII. Mandatory Findings of Significance

- a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

**Potentially Significant Impact** – The proposed Plan could potentially degrade air quality or have an environmental effect associated with biological resources, cultural resources, geology and soils, hazards and hazardous materials, hydrology and water quality, land use and planning, noise, population and housing, public services, and transportation/traffic.

- b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

**Potentially Significant Impact** – The proposed Plan could result in impacts that are individually limited, but cumulatively considerable. The combination of Plan-specific impacts with the impacts of past, present, and reasonably foreseeable future projects could result in a significant impact.

- c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

**Potentially Significant Impact** – The proposed Plan could have significant environmental effects that could cause substantial adverse effects on human beings, either directly or indirectly.

# 4.0 Preparers and Contributors

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## Orange County Sanitation District

John Linder - Engineering Manager

Jim Burror - Engineering Supervisor

Ann Tobin - Engineer

## CH2M HILL

Matt Gordon - Project Manager

Jennifer Scholl - Senior Technical Oversight





## 5.0 References

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# Attachment A

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## Notice of Preparation Response Form

This form is provided to assist in responding to the Notice of Preparation. If more space is required, or if you prefer a different format, please feel free to deviate from this form as necessary. If you have input, please complete the form and return; otherwise, it will be assumed that you do not wish to be retained on this distribution list to receive the Draft EIR.

Date of Response \_\_\_\_\_

Agency \_\_\_\_\_  
Mailing Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone \_\_\_\_\_  
Contact Person \_\_\_\_\_

Level of Interest in Proposed Facilities:

- No interest (delete from distribution list)
- Minor interest (retain name on distribution list)
- Major interest (state key areas of your concern):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Permit/Review Requirements

Do you or your agency have statutory permit authority or advisory review authority over actions within the PROJECT AREA? If so, please list.

Area of Concern	Authority	Applicability Within Project Area
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Environmental Issue Categories

Please indicate your interests and items that should be addressed in the proposed EIR.

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**Air Quality**

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**Biological Resources**

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**Cultural Resources**

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**Geology and Soils**

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**Hazards and Hazardous Materials**

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**Hydrology and Water Quality**

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**Land Use and Planning**

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**Noise**

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**Population and Housing**

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**Public Services**

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**Transportation and Traffic**

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