

**SUBMITTAL TO THE FLOOD CONTROL AND WATER CONSERVATION DISTRICT BOARD
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

308B



FROM: General Manager-Chief Engineer

SUBMITTAL DATE:
April 10, 2012

SUBJECT: Public Hearing for Orange Street Lateral, Stage 1
Project No. 3-0-00012
District One/District One

RECOMMENDED MOTION:

1. Adopt Resolution No. F2012-02 which finds that the project will not have a significant adverse effect upon the environment and is in compliance with the Western Riverside County Multiple Species Habitat Conservation Plan; and
2. Adopt a Mitigated Negative Declaration for the project based on the findings incorporated in the initial study and the conclusion that the project will not have a significant effect on the environment; and
3. Approve and Authorize the District to proceed with the Project; and
4. Direct the Clerk of the Board to deliver the Mitigated Negative Declaration and the Notice of Determination to the office of the County Clerk for filing within 5 working days of this Board hearing.

BACKGROUND:

The public hearing is in accordance with the requirements for Section 18 of the District Act.

FINANCIAL:

N/A

WARREN D. WILLIAMS
General Manager-Chief Engineer

FINANCIAL DATA	Current F.Y. District Cost:	N/A	In Current Year Budget:	N/A
	Current F.Y. County Cost:	N/A	Budget Adjustment:	N/A
	Annual Net District Cost:	N/A	For Fiscal Year:	N/A

SOURCE OF FUNDS: N/A

Positions To Be Deleted Per A-30	<input type="checkbox"/>
Requires 4/5 Vote	<input type="checkbox"/>

C.E.O. RECOMMENDATION:

APPROVE

BY:
Michael R. Shetler

County Executive Office Signature

- Dep't Recomm.: Consent Policy
- Per Exec. Ofc.: Consent Policy

MINUTES OF THE FLOOD CONTROL AND WATER CONSERVATION DISTRICT

On motion of Supervisor Tavaglione, seconded by Supervisor Benoit and duly carried, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Buster, Tavaglione, Stone and Benoit
Nays: None
Absent: Ashley
Date: April 10, 2012
xc: Flood, Recorder

Kecia Harper-Ihem
Clerk of the Board
BY:
Deputy

Prev. Agn. Ref.: 11.1 of 2/28/12 **District:** 1/1 **Agenda Number:**

ATTACHMENTS FILED
WITH THE CLERK OF THE BOARD

11.1

FORM APPROVED COUNTY COUNSEL
MICHELLE CLACK
DATE 4/10/12

BOARD OF SUPERVISORS

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

RESOLUTION NO. F2012-02
APPROVING ORANGE STREET LATERAL, STAGE 1 PROJECT

WHEREAS, on February 28, 2012, the Board adopted Resolution No. F2012-01 pursuant to Section 18 of the District Act giving notice of its intention to construct a project in Zone 3, within unincorporated Riverside County, designated as Orange Street Lateral, Stage 1 Project ("Project") and giving further notice that the Project would be considered at a public hearing on April 10, 2012; and

WHEREAS, notice of the public hearing was properly made by publication and posting as required by law, and all persons desiring to be heard on the matter were given the opportunity to appear and present testimony, both oral and written; and

WHEREAS, all provisions of the California Environmental Quality Act and the District Rules to Implement the Act have been met and the General Manager-Chief Engineer of the District has found that the Project will not have a significant adverse effect upon the environment and has completed a Mitigated Negative Declaration; now, therefore,

BE IT RESOLVED, FOUND, DETERMINED AND ORDERED by the Board of Supervisors of the Riverside County Flood Control and Water Conservation District in regular session assembled on April 10, 2012 based upon the evidence and testimony presented on the matter, both written and oral, that:

1. The Project is not within the Criteria Area set forth in and established by the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP).

2. The Project is consistent with the Riparian/Riverine Area and Vernal Pool requirements of the MSHCP. Pursuant to Section 6.1.2 of the MSHCP, Riparian/Riverine areas are lands which contain habitat dominated by trees, shrubs, persistent emergents, or emergent mosses and lichens, which occur close to or which depend upon soil moisture from a nearby freshwater source, or areas with freshwater flow during all or a portion of the year. Vernal Pools

FORM APPROVED COUNTY COUNSEL
BY  DATE 02/10/12
MICHELLE CLACK

1 are seasonal wetlands that occur in depression areas that have wetland indicators of all three
2 parameters (soils, vegetation and hydrology) during the wetter portion of the growing season. It
3 has been determined that the Project area does not contain any Vernal Pools, nor does it include
4 Riparian/Riverine Areas as defined by the MSHCP. In addition, the proposed storm drain
5 alignment does not contain suitable habitat for least Bell's vireo, Southwestern Willow
6 Flycatcher or Western Yellow-Billed Cuckoo. Therefore, no further surveys or conservation
7 measures are required.

8
9 3. The Project is consistent with the Narrow Endemic Plant Species requirements of
10 the MSHCP. Pursuant to Section 6.1.3 of the MSHCP, habitat assessments and/or focused
11 surveys for certain narrow endemic plant species are required for properties within mapped
12 survey areas. The survey area maps have been reviewed and the Project is not within a mapped
13 survey area for Narrow Endemic Plant Species. Therefore, no further surveys or conservation
14 measures are required.

15 4. The Project is consistent with the Urban-Wildlands Interface requirements of the
16 MSHCP. Section 6.1.4 of the MSHCP presents guidelines to minimize indirect effects of a
17 project in proximity to the MSHCP Conservation Area. This section provides mitigation
18 measures for impacts associated with: Drainage, Toxics, Lighting, Noise, Invasives, Barriers
19 and Grading/Land Development. The Project has been reviewed and it has been determined the
20 Project does not occur within or adjacent to the Criteria Area or MSHCP designated
21 Public/Quasi-Public conservation lands. Therefore, no further analysis or implementation of any
22 conservation measures is required.

23 5. The Project is consistent with the Database Updates/Additional Surveys
24 requirements of the MSHCP. Pursuant to Section 6.3.2 of the MSHCP, habitat assessments
25 and/or focused surveys for certain additional plant and animal species are required for properties
26 within mapped survey areas. The survey area maps have been reviewed and the Project is not
27 within a mapped survey area. Therefore, no further surveys or conservation measures are
28 required.

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6. The Project is consistent with the Pubic/Quasi-Public Land provisions contained in Section 3.2.1 of the MSHCP. Section 3.2.1 describes lands within the MSHCP conservation area including those designated as Public/Quasi-Public (PQP) Lands. Section 3.2.1 states that if a Permittee elects to use property currently depicted as PQP Lands in a way that alters the land use such that it would not contribute to Reserve Assembly, the Permittee shall locate and acquire or otherwise encumber replacement acreage at a minimum ratio of 1:1. The Permittee must make findings that the replacement acreage is biologically equivalent or superior to the existing property. The Project has been reviewed and it has been determined the Project does not occur within MSHCP designated PQP Lands. Therefore, no further analysis is required.

7. The Project will not have a significant adverse effect upon the environment and a Mitigated Negative Declaration is adopted based on the findings incorporated in the initial study.

8. The Project is approved and the District is hereby authorized to proceed with the Project.

BE IT FURTHER RESOLVED that, within 5 working days of this Board hearing, the Clerk of the Board is directed to deliver the adopted Mitigated Negative Declaration and the Notice of Determination to the Office of the County Clerk and Recorder, who are thereby directed to file same, all as required by law.

ROLL CALL:

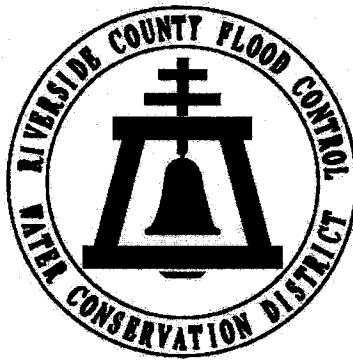
- Ayes: Buster, Tavaglione, Stone, and Benoit
- Nays: None
- Absent: Ashley

The foregoing is certified to be a true copy of a resolution duly adopted by said Board of Supervisors on the date therein set forth.

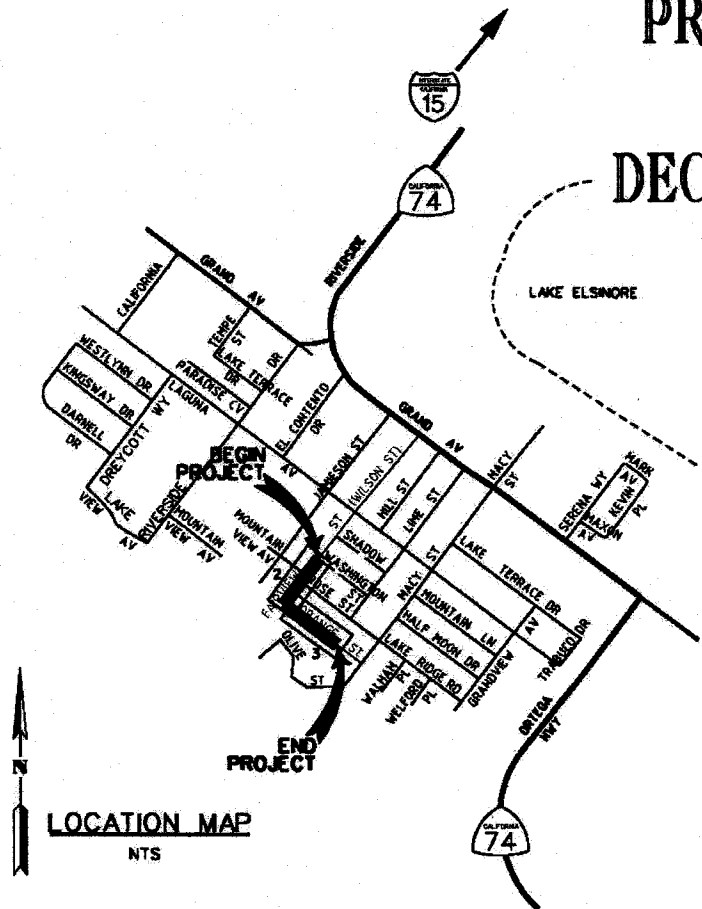
KECIA HARPER-IHEM, Clerk of said Board

By: _____
Deputy

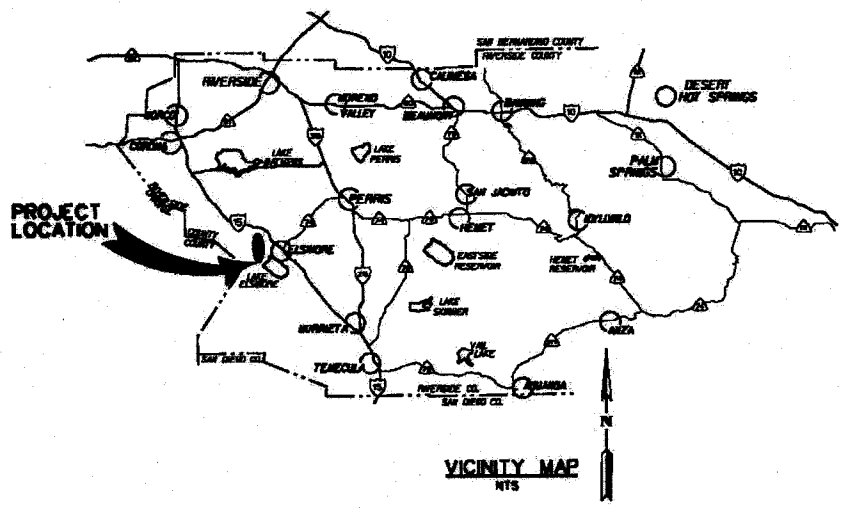
SECTION 18
PUBLIC HEARING
MAP



ORANGE
STREET
LATERAL
STAGE 1
PROJECT NO.
3-0-0012
DECEMBER 2011



LOCATION MAP
NTS



VICINITY MAP
NTS

Orange Street Lateral, Stage 1

Project No. 3-0-00012

Engineer's Statement

The proposed project is located within unincorporated Riverside County, California, near the city of Lake Elsinore. The proposed project is a storm drain system designed to collect runoff tributary to Orange Street and discharge the flows to the Lime Street Channel. When complete, this storm drain system will provide protection for residential properties along Orange Street and neighboring areas.

The proposed project consists of approximately 700 lineal feet of reinforced concrete storm drain pipe (RCP) that will connect to the District's existing concrete lined trapezoidal Lime Street Channel. The proposed project begins at the Lime Street Channel and terminates approximately 350 feet southeasterly of the intersection of Fairview Street and Orange Street. A water quality feature is also proposed to be constructed to collect sediment and debris prior to entering the storm drain system. The proposed project area may be found within Township 6 South, Range 5 West, Section 10 of the Alberhill 7.5 Series USGS Topographic Quadrangle map. The cost of the proposed project is approximately \$349,000.

10172025

Notice of Determination

To: County Clerk
County of Riverside
2724 Gateway Drive
Riverside, CA 92507

From: Riverside County Flood Control
1995 Market Street
Riverside, CA 92501
Contact: Arturo Diaz

Original Negative Declaration/Notice of
Determination was routed to County
Clerks for posting on.

4-11-12
Date

AE
Initial

Lead Agency (if different from above):

SUBJECT:

Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.

State Clearinghouse Number (if submitted to State Clearinghouse): N/A

Project Title:

Orange Street Lateral, Stage 1

Project Location (include county)

The proposed project area is generally bounded to the northeast by Washington Street, to the southeast by Macy Street, to the southwest by Orange Street and to the northwest by Fairview Street in unincorporated Riverside County, near the city of Lake Elsinore. The proposed project area may be found within Township 6 South, Range 5 West, Section 10 of the Alberhill 7.5 Series USGS Topographic Quadrangle map.

Project Description

The proposed project entails the construction and subsequent maintenance of an underground storm drain system and appurtenances within existing street and Riverside County Flood Control and Water Conservation District (District) rights-of-way. The proposed project consists of approximately 700 lineal feet of reinforced concrete storm drain pipe (RCP) that will discharge to the District's existing concrete lined trapezoidal Lime Street Channel. The proposed project begins at the Lime Street Channel and terminates approximately 350 feet southeasterly of the intersection of Fairview Street and Orange Street. A water quality feature is also proposed to be constructed at the storm drain upstream terminus to collect sediment and debris prior to entering the storm drain system.

This is to advise that the Riverside County Flood Control and Water Conservation District (Lead Agency) has approved the above described project on April 10, 2012 and has made the following determinations regarding the above described project:

1. The project will not have a significant effect on the environment.
2. A Mitigated Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation measures were made a condition of the approval of the project.
4. A Mitigation Monitoring Program was adopted for this project.
5. A statement of Overriding Considerations was not adopted for this project.
6. Findings were not made pursuant to the provisions of CEQA.

This is to certify that the Mitigated Negative Declaration is available to the General Public at: The Office of the Clerk to the Board, County Administrative Center, 4080 Lemon Street, Riverside, CA 92501.

Arturo Diaz
Signature (Public Agency)

Board Assistant
Title

4-11-12
Date

Date received for filing at OPR:

Revised 2004

Authority cited: Sections 21083 and 21087, Public Resources Code.
Reference: Sections 21000-21174, Public Resources Code.

11.1 APR 10 2012

CERTIFICATE OF POSTING

(Original copy, duly executed, must be attached to original at the time of filing)

I, Danielle R. Pierce, do hereby certify that I am
not _____,
(NAME AND TITLE)
a party to the within action or proceeding; that on March 6, 2012, I posted a
(DATE)
copy of the following document:

**RESOLUTION NO. F2012-01 SETTING A PUBLIC HEARING DATE FOR ORANGE STREET
LATERAL, STAGE 1 PROJECT AND GIVING NOTICE OF INTENT TO ADOPT A MITIGATED
NEGATIVE DECLARATION THEREFOR IN ACCORDANCE WITH SECTION 18 OF THE
DISTRICT ACT AND THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)**

by posting at 32593 Riverside Drive, Lake Elsinore, California 92530.

Date: 3-6-12

Raya Smith
(Signature)

MAR 06 2012

BOARD OF SUPERVISORS

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

LARRY W. WARD, CLERK

By *B. Reese* B. Reese
Deputy

**RESOLUTION NO. F2012-01
SETTING A PUBLIC HEARING DATE FOR
ORANGE STREET LATERAL, STAGE 1 PROJECT
AND GIVING NOTICE OF INTENT TO ADOPT A
MITIGATED NEGATIVE DECLARATION THEREFOR
IN ACCORDANCE WITH SECTION 18 OF THE DISTRICT ACT
AND THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)**

WHEREAS, this Board intends to undertake a project within unincorporated Riverside County, designated as Orange Street Lateral, Stage 1 Project ["Proposed Project"]; and

WHEREAS, the Proposed Project is generally bounded to the northeast by Washington Street, to the southeast by Macy Street, to the southwest by Orange Street and to the northwest by Fairview Street; and

WHEREAS, the Proposed Project consists of the construction and subsequent operation and maintenance of approximately 700 lineal feet of underground storm drain system; and

WHEREAS, reference is made to the engineering cost estimate for the Proposed Project, entitled "Engineer's Statement" on file with the Clerk of the Board; and

WHEREAS, reference is made to a map dated December 2011, bearing the name and showing the general location and typical section of the Proposed Project which is also on file with the Clerk of the Board; and

WHEREAS, the General Manager-Chief Engineer of the District has found that the Proposed Project will not have a significant adverse effect on the environment and has prepared a Mitigated Negative Declaration which will not become final until adopted by this Board; and

WHEREAS, any person wishing to comment on the Proposed Project or the Mitigated Negative Declaration may do so in writing between the date of this notice and the public hearing, or may appear and be heard at the time and place noted below; and

COUNTY CLERK
Neg. Declaration/Ntc Determination
Filed per P.R.C. 21152
POSTED

-1-

MAR 06 2012

Removed: _____

02.28.12 11.1

By: _____ Dept.
County of Riverside, State of California

FORM APPROVED COUNTY COUNSEL
BY: *Michelle Clack* / DATE: 1/9/12
MICHELLE CLACK

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WHEREAS, in a subsequent legal challenge any person may be limited to raising only those issues he, she or someone else raised at the public hearing described in this notice, or in written comments delivered before or at the public hearing; and

WHEREAS, prior to making a decision on the Proposed Project or the Mitigated Negative Declaration, this Board will consider all written and oral comments; and

WHEREAS, the above-listed documents can be inspected at the District office, 1995 Market Street, Riverside, California 92501 and written comments will be received at the above address.

NOW, THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED by the Board of Supervisors of the Riverside County Flood Control and Water Conservation District in regular session assembled on February 28, 2012 that:

1. A public hearing concerning the intent to approve the Proposed Project and adopt the Mitigated Negative Declaration will be held at 1:30 p.m. on April 10, 2012, at the meeting room of this Board, 1st Floor, County Administrative Center, 4080 Lemon Street, Riverside, California 92502, at which time all public comment shall be heard.


2. A copy of this resolution and copies of the above listed documents shall be posted at least thirty (30) days before said hearing at the Lakeside Library, 32593 Riverside Drive, Lake Elsinore, California 92530.

3. A copy of this resolution shall be posted at least thirty (30) days before said hearing at the Riverside County Clerk and Recorder's Office, 2724 Gateway Drive, Riverside, California 92507.

4. The Clerk of this Board is directed to cause a copy of this resolution to be published twice, once at least thirty (30) days before said hearing, and once seven (7) days following the initial publication in a newspaper of general circulation in accordance with Section 18 of the District Act and CEQA.

ROLL CALL:

Ayes: Buster, Tavaglione, Stone, and Benoit
Nays: None
Absent: Ashley

The foregoing is certified to be a true copy of a resolution duly adopted by said Board of Supervisors on the date therein set forth.
KECIA HARRER-JEN, Clerk of said Board
By:  Deputy

02.28.12 11.1

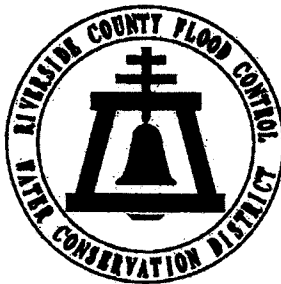
**Orange Street Lateral, Stage 1
Project No. 3-0-00012**

Engineer's Statement

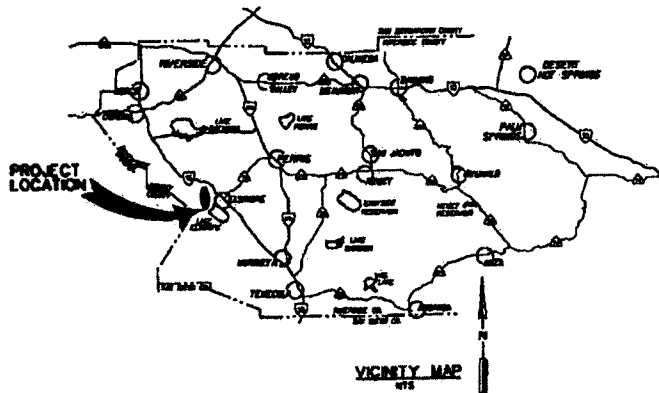
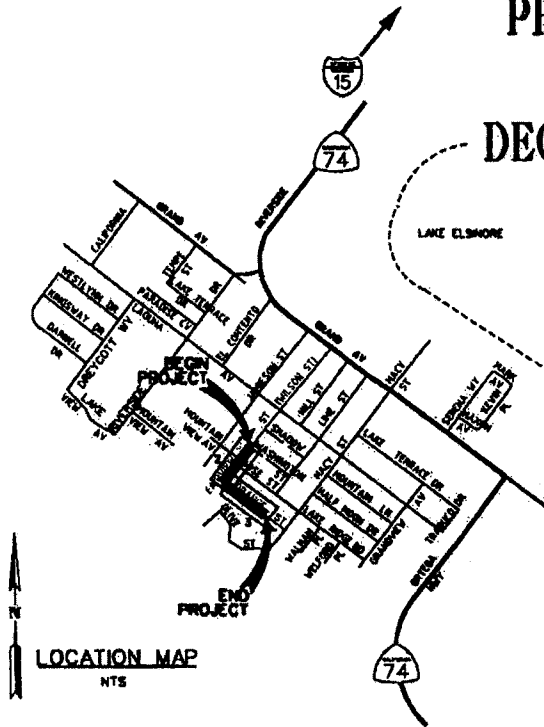
The proposed project is located within unincorporated Riverside County, California, near the city of Lake Elsinore. The proposed project is a storm drain system designed to collect runoff tributary to Orange Street and discharge the flows to the Lime Street Channel. When complete, this storm drain system will provide protection for residential properties along Orange Street and neighboring areas.

The proposed project consists of approximately 700 lineal feet of reinforced concrete storm drain pipe (RCP) that will connect to the District's existing concrete lined trapezoidal Lime Street Channel. The proposed project begins at the Lime Street Channel and terminates approximately 350 feet southeasterly of the intersection of Fairview Street and Orange Street. A water quality feature is also proposed to be constructed to collect sediment and debris prior to entering the storm drain system. The proposed project area may be found within Township 6 South, Range 5 West, Section 10 of the Alberhill 7.5 Series USGS Topographic Quadrangle map. The cost of the proposed project is approximately \$349,000.

**SECTION 18
PUBLIC HEARING
MAP**



**ORANGE
STREET
LATERAL
STAGE 1
PROJECT NO.
3-0-0012
DECEMBER 2011**



**SUBMITTAL TO THE FLOOD CONTROL AND WATER CONSERVATION DISTRICT BOARD
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

705 B



FROM: General Manager-Chief Engineer

SUBMITTAL DATE:
February 7, 2012

SUBJECT: Orange Street Lateral, Stage 1
Project No. 3-0-00012
District One/District One

RECOMMENDED MOTION:

1. Adopt Resolution No. F2012-01 which sets April 10, 2012 as the date for a Public Hearing concerning the construction of the above referenced project in accordance with Section 18 of the District Act and gives Notice of Intent to Adopt a Mitigated Negative Declaration in accordance with the California Environmental Quality Act (CEQA); and
2. Direct the Clerk of the Board to advertise and post said notice of public hearing and intent to adopt a Mitigated Negative Declaration in accordance with Section 18 of the District Act and CEQA.

BACKGROUND:

See Page 2.

FINANCIAL:

N/A

WARREN D. WILLIAMS
General Manager-Chief Engineer

FINANCIAL DATA	Current F.Y. District Cost:	N/A	In Current Year Budget:	N/A
	Current F.Y. County Cost:	N/A	Budget Adjustment:	N/A
	Annual Net District Cost:	N/A	For Fiscal Year:	N/A

SOURCE OF FUNDS: N/A	Positions To Be Deleted Per A-30	<input type="checkbox"/>
	Requires 4/5 Vote	<input type="checkbox"/>

C.E.O. RECOMMENDATION:

APPROVE

BY: *Michael R. Shetler*
Michael R. Shetler

County Executive Office Signature

FORM APPROVED COUNTY COUNSEL
BY: *Michelle Clack* 1/9/12
DATE
MICHELLE CLACK

Policy
 Policy
 Consent
 Consent
 Dept't Recomm.:
 Per Exec. Ofc.:

MINUTES OF THE FLOOD CONTROL AND WATER CONSERVATION DISTRICT

On motion of Supervisor Tavaglione, seconded by Supervisor Benoit and duly carried, IT WAS ORDERED that the above matter is approved as recommended and is set for public hearing April 10, 2012 at 1:30 p.m.

Ayes: Buster, Tavaglione, Stone and Benoit
 Nays: None
 Absent: Ashley
 Date: February 28, 2012
 xc: Flood, COB

Kecia Harper-Ihem
 Clerk of the Board
 By: *[Signature]*
 Deputy

Prev. Agn. Ref.: District: 1/1 Agenda Number: **11.1**

**FLOOD CONTROL AND WATER CONSERVATION DISTRICT BOARD SUBMITTAL
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

SUBJECT: Orange Street Lateral, Stage 1
Project No. 3-0-00012
District One/District One

SUBMITTAL DATE: February 7, 2012
Page 2

BACKGROUND:

Section 18 of the District's Enabling Act requires the Board to hold a Public Hearing for the purpose of considering all comments regarding any proposed facilities before authorizing the construction of such facilities.

In accordance with the State guidelines implementing the CEQA, the General Manager-Chief Engineer of the District has found that the proposed project will not have a significant adverse effect on the environment and has completed a Mitigated Negative Declaration which will not be final until approved and adopted by this Board.

BOARD OF SUPERVISORS

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

**RESOLUTION NO. F2012-01
SETTING A PUBLIC HEARING DATE FOR
ORANGE STREET LATERAL, STAGE 1 PROJECT
AND GIVING NOTICE OF INTENT TO ADOPT A
MITIGATED NEGATIVE DECLARATION THEREFOR
IN ACCORDANCE WITH SECTION 18 OF THE DISTRICT ACT
AND THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)**

WHEREAS, this Board intends to undertake a project within unincorporated Riverside County, designated as Orange Street Lateral, Stage 1 Project ["Proposed Project"]; and

WHEREAS, the Proposed Project is generally bounded to the northeast by Washington Street, to the southeast by Macy Street, to the southwest by Orange Street and to the northwest by Fairview Street; and

WHEREAS, the Proposed Project consists of the construction and subsequent operation and maintenance of approximately 700 lineal feet of underground storm drain system; and

WHEREAS, reference is made to the engineering cost estimate for the Proposed Project, entitled "Engineer's Statement" on file with the Clerk of the Board; and

WHEREAS, reference is made to a map dated December 2011, bearing the name and showing the general location and typical section of the Proposed Project which is also on file with the Clerk of the Board; and

WHEREAS, the General Manager-Chief Engineer of the District has found that the Proposed Project will not have a significant adverse effect on the environment and has prepared a Mitigated Negative Declaration which will not become final until adopted by this Board; and

WHEREAS, any person wishing to comment on the Proposed Project or the Mitigated Negative Declaration may do so in writing between the date of this notice and the public hearing, or may appear and be heard at the time and place noted below; and

FORM APPROVED COUNTY COUNSEL
BY:  1/9/12
MICHELLE CLACK DATE

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WHEREAS, in a subsequent legal challenge any person may be limited to raising only those issues he, she or someone else raised at the public hearing described in this notice, or in written comments delivered before or at the public hearing; and

WHEREAS, prior to making a decision on the Proposed Project or the Mitigated Negative Declaration, this Board will consider all written and oral comments; and

WHEREAS, the above-listed documents can be inspected at the District office, 1995 Market Street, Riverside, California 92501 and written comments will be received at the above address.

NOW, THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED by the Board of Supervisors of the Riverside County Flood Control and Water Conservation District in regular session assembled on February 28, 2012 that:

1. A public hearing concerning the intent to approve the Proposed Project and adopt the Mitigated Negative Declaration will be held at 1:30 p.m. on April 10, 2012, at the meeting room of this Board, 1st Floor, County Administrative Center, 4080 Lemon Street, Riverside, California 92502, at which time all public comment shall be heard.

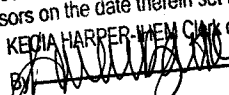
2. A copy of this resolution and copies of the above listed documents shall be posted at least thirty (30) days before said hearing at the Lakeside Library, 32593 Riverside Drive, Lake Elsinore, California 92530.

3. A copy of this resolution shall be posted at least thirty (30) days before said hearing at the Riverside County Clerk and Recorder's Office, 2724 Gateway Drive, Riverside, California 92507.

4. The Clerk of this Board is directed to cause a copy of this resolution to be published twice, once at least thirty (30) days before said hearing, and once seven (7) days following the initial publication in a newspaper of general circulation in accordance with Section 18 of the District Act and CEQA.

ROLL CALL:

Ayes: Buster, Tavaglione, Stone, and Benoit
Nays: None
Absent: Ashley

The foregoing is certified to be a true copy of a resolution duly adopted by said Board of Supervisors on the date therein set forth.
KECIA HARPER-WHEM Clerk of said Board
By  Deputy

02.28.12 11.1

Orange Street Lateral, Stage 1

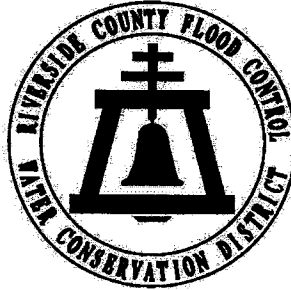
Project No. 3-0-00012

Engineer's Statement

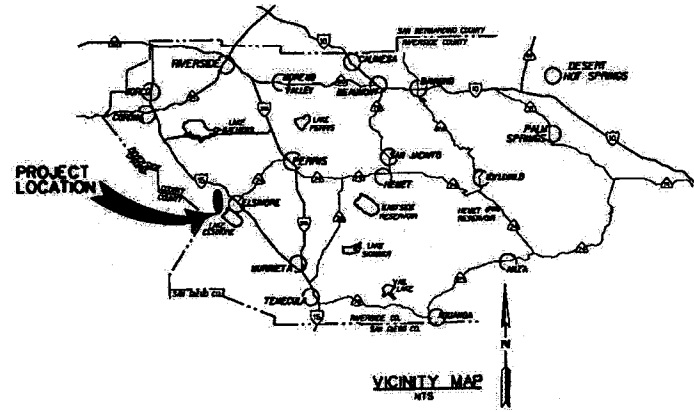
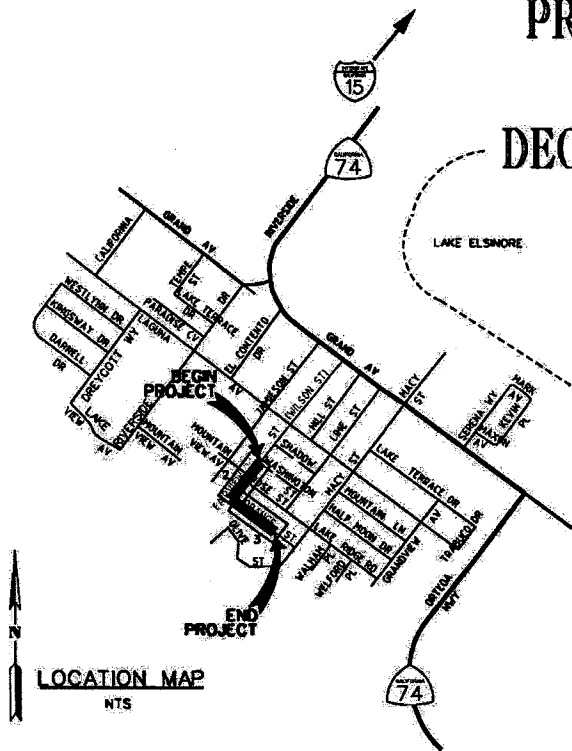
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**SECTION 18
PUBLIC HEARING
MAP**



**ORANGE
STREET
LATERAL
STAGE 1
PROJECT NO.
3-0-0012
DECEMBER 2011**





OFFICE OF
CLERK OF THE BOARD OF SUPERVISORS
1st FLOOR, COUNTY ADMINISTRATIVE CENTER
P.O. BOX 1147, 4080 LEMON STREET
RIVERSIDE, CA 92502-1147
PHONE: (951) 955-1060
FAX: (951) 955-1071

KECIA HARPER-IHEM
Clerk of the Board of Supervisors

KIMBERLY A. RECTOR
Assistant Clerk of the Board

March 7, 2012

PRESS ENTERPRISE
ATTN: LEGALS
P.O. BOX 792
RIVERSIDE, CA 92501

EMAIL: legals@pe.com
FAX: (951) 368-9018

RE: NOTICE OF PUBLIC HEARING: RESOLUTION F2012-01

To Whom It May Concern:

Attached is a copy for publication in your newspaper for **TWO (2) CONSECUTIVE FRIDAYS: March 9 and 16, 2012.**

We require your affidavit of publication immediately upon completion of the last publication.

Your invoice must be submitted to this office in duplicate, WITH TWO CLIPPINGS OF THE PUBLICATION.

PLEASE COMPOSE THIS PUBLICATION INTO A SINGLE COLUMN FORMAT.

Thank you in advance for your assistance and expertise.

Sincerely,

Mcgil

Cecilia Gil, Board Assistant to
KECIA HARPER-IHEM, CLERK OF THE BOARD

Gil, Cecilia

From: PE Legals <legals@pe.com>
Sent: Wednesday, March 07, 2012 8:26 AM
To: Gil, Cecilia
Subject: RE: FOR PUBLICATION: RES. F2012-01

Received for publication on March 9 and 16

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From: Gil, Cecilia [<mailto:CCGIL@rcbos.org>]
Sent: Tuesday, March 06, 2012 5:23 PM
To: PE Legals
Subject: FOR PUBLICATION: RES. F2012-01

Hello! Attached is a Notice of Public Hearing for publication on 2 Fridays: March 9 and 16, 2012. Please confirm.
THANK YOU!

Cecilia Gil

Board Assistant to the
Clerk of the Board of Supervisors
951-955-8464

**THE COUNTY ADMINISTRATIVE CENTER IS CLOSED EVERY FRIDAY UNTIL FURTHER NOTICE.
PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING.**

NOTICE OF PUBLIC HEARING BEFORE THE BOARD OF SUPERVISORS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

RESOLUTION NO. F2012-01

**SETTING A PUBLIC HEARING DATE FOR
ORANGE STREET LATERAL, STAGE 1 PROJECT
AND GIVING NOTICE OF INTENT TO ADOPT A
MITIGATED NEGATIVE DECLARATION THEREFOR
IN ACCORDANCE WITH SECTION 18 OF THE DISTRICT ACT
AND THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)**

WHEREAS, this Board, intends to undertake a project within unincorporated Riverside County, designated as Orange Street Lateral, Stage 1 Project ["Proposed Project"]; and

WHEREAS, the Proposed Project is generally bounded to the northeast by Washington Street, to the southeast by Macy Street, to the southwest by Orange Street and to the northwest by Fairview Street; and

WHEREAS, the Proposed Project consists of the construction and subsequent operation and maintenance of approximately 700 lineal feet of underground storm drain system; and

WHEREAS, reference is made to the engineering cost estimate for the Proposed Project, entitled "Engineer's Statement" on file with the Clerk of the Board; and

WHEREAS, reference is made to a map dated December 2011, bearing the name and showing the general location and typical section of the Proposed Project which is also on file with the Clerk of the Board; and

WHEREAS, the General Manager-Chief Engineer of the District has found that the Proposed Project will not have a significant adverse effect on the environment and has prepared a Mitigated Negative Declaration which will not become final until adopted by this Board; and

WHEREAS, any person wishing to comment on the Proposed Project or the Mitigated Negative Declaration may do so in writing between the date of this notice and the public hearing, or may appear and be heard at the time and place noted below; and

WHEREAS, in a subsequent legal challenge any person may be limited to raising only those issues he, she or someone else raised at the public hearing described in this notice, or in written comments delivered before or at the public hearing; and

WHEREAS, prior to making a decision on the Proposed Project or the Mitigated Negative Declaration, this Board will consider all written and oral comments; and

WHEREAS, the above-listed documents can be inspected at the District office, 1995 Market Street, Riverside, California 92501 and written comments will be received at the above address.

NOW, THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED by the Board of Supervisors of the Riverside County Flood Control and Water Conservation District in regular session assembled on February 28, 2012 that:

1. A public hearing concerning the intent to approve the Proposed Project and adopt the Mitigated Negative Declaration will be held at 1:30 p.m. on April 10, 2012, at the meeting room of this Board, 1st Floor, County Administrative Center, 4080 Lemon Street, Riverside, California 92502, at which time all public comment shall be heard.

2. A copy of this resolution and copies of the above listed documents shall be posted at least thirty (30) days before said hearing at the Lakeside Library, 32593 Riverside Drive, Lake Elsinore, California 92530.

3. A copy of this resolution shall be posted at least thirty (30) days before said hearing at the Riverside County Clerk and Recorder's Office, 2724 Gateway Drive, Riverside, California 92507.

4. The Clerk of this Board is directed to cause a copy of this resolution to be published twice, once at least thirty (30) days before said hearing, and once seven (7) days following the initial publication in a newspaper of general circulation in accordance with Section 18 of the District Act and CEQA.

ROLL CALL:

Ayes: Buster, Tavaglione, Stone, and Benoit
Nays: None
Absent: Ashley

The foregoing is certified to be a true copy of a resolution duly adopted by said Board of Supervisors on February 28, 2012.

KECIA HARPER-IHEM, Clerk of said Board
By: Cecilia Gil, Board Assistant

Any person affected by the above matter(s) may submit written comments to the Clerk of the Board before the public hearing or may appear and be heard in support of or opposition to the project at the time of the hearing. If you challenge the above item(s) in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in written correspondence, to the Board of Supervisors at, or prior to, the public hearing.

Please send all written correspondence to: Clerk of the Board, 4080 Lemon Street, 1st Floor, Post Office Box 1147, Riverside, CA 92502-1147

Please send all written correspondence to:

Clerk of the Board
4080 Lemon Street, 1st Floor
Post Office Box 1147
Riverside, Ca 92502-1147

Dated: March 7, 2012

Kecia Harper-Ihem, Clerk of the Board
By: Cecilia Gil, Board Assistant

**Riverside County Flood Control and
Water Conservation District**

Riverside, California

**FINAL CEQA
INITIAL STUDY**

**ORANGE STREET LATERAL, STAGE 1
PROJECT**

ZONE 3

April 2012

**Warren D. Williams
General Manager-Chief Engineer**

MITIGATED NEGATIVE DECLARATION

State Clearinghouse Number: Not Yet Assigned	Contact Person: Art Diaz	Telephone Number: 951.955.1233	Email: aadiaz@rcflood.org
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Lead Agency and Project Sponsor:
Riverside County Flood Control and Water Conservation District

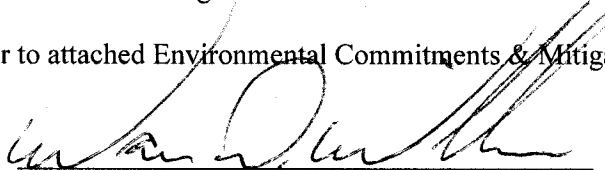
Address: 1995 Market Street	City: Riverside	Zip: 92501
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Project Title and Description:
Orange Street Lateral, Stage 1 – The proposed project entails the construction and subsequent maintenance of an underground storm drain system and appurtenances within existing street and Riverside County Flood Control and Water Conservation District (District) rights-of-way. The proposed project consists of approximately 700 lineal feet of reinforced concrete storm drain pipe (RCP) that will discharge to the District's existing concrete lined trapezoidal Lime Street Channel. The proposed project begins at the Lime Street Channel and terminates approximately 350 feet southeasterly of the intersection of Fairview Street and Orange Street. A water quality feature is also proposed to be constructed at the storm drain upstream terminus to collect sediment and debris prior to entering the storm drain system. Refer to the attached exhibits for additional information.

Project Location:
The proposed project area is generally bounded to the northeast by Washington Street, to the southeast by Macy Street, to the southwest by Orange Street and to the northwest by Fairview Street in unincorporated Riverside County, near the city of Lake Elsinore. The proposed project area may be found within Township 6 South, Range 5 West, Section 10 of the Alberhill 7.5 Series USGS Topographic Quadrangle map.

The General Manager-Chief Engineer of the Riverside County Flood Control and Water Conservation District has made a finding that the proposed Orange Street Lateral, Stage 1 Project will not have a significant adverse effect on the environment. An Initial Study supporting this finding is attached. This finding will become final upon adoption of this Mitigated Negative Declaration by the Board of Supervisors of the Riverside County Flood Control and Water Conservation District. Mitigation measures are as follows:

Refer to attached Environmental Commitments & Mitigation Monitoring Program Table

Signature:  Dated: 3/5/12
WARREN D. WILLIAMS
General Manager-Chief Engineer

The Board of Supervisors of the Riverside County Flood Control and Water Conservation District, assembled in regular session on April 10, 2012, has determined that the Orange Street Lateral, Stage 1 Project will not have a significant adverse effect on the environment and has adopted this Mitigated Negative Declaration.

Signature: _____ Dated: _____
KECIA HARPER-IHEM
Clerk of the Board

Attachment
Copies to: 1) County Clerk
 2) Flood Control

JDS:mcv
P8\142840

**RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT**

Orange Street Lateral, Stage 1

ENVIRONMENTAL COMMITMENTS & MITIGATION

MONITORING PROGRAM TABLE

Issue	Potential Impact	Environmental Commitment, Avoidance, Minimization, and/or Mitigation Measures	Action	Implementation Responsibility	Governing Agency	Implementation Timing
IV. Biological Resources	During construction, there is potential to impact bird nests.	BIO EC-1: The removal of potential nesting vegetation will be conducted outside of the nesting season (March 15 to September 15) to the extent that this is feasible. If vegetation must be removed during the nesting season, a nesting bird survey of potentially suitable nesting vegetation will be conducted prior to removal. Surveys will be conducted no more than three (3) days prior to scheduled removals. If active nests are identified, the District will establish a 100-foot buffer around the vegetation containing the active nest. The vegetation containing the active nest will not be removed, and no grading will occur within the established buffer, until it has been determined that the nest is no longer active (i.e., the juveniles are surviving independent from the nest). If clearing is not conducted within three days of a negative survey, the nesting survey must be repeated to confirm the absence of nesting birds.	Conduct nesting bird survey if vegetation is removed during nesting season.	RCFC&WCD (Design and Construction Division)	CDFG; USFWS	Prior to removing vegetation

Issue	Potential Impact	Environmental Commitment, Avoidance, Minimization, and/or Mitigation Measures	Action	Implementation Responsibility	Governing Agency	Implementation Timing
Issue	During construction, there is potential to impact unknown buried cultural resources.	Cult MM-1: A District approved archaeological monitor shall be present during all project related ground disturbance within soils other than bedrock. If cultural resources are discovered during project construction, all work in the area of the find shall cease, and a qualified archaeologist shall investigate the find in consultation with Tribal monitor. If any discovered archaeological or historical resources merit long-term consideration, adequate funding will be provided to collect, curate and report these resources in accordance with standard archaeological management requirements and/or the Cultural Resources Treatment Agreement described in Cult MM-2.	Ensure that an approved archaeological monitor is present as described.	RCFC&WCD (Design and Construction Division)	None	During excavation activities
Issue	During construction, there is potential to impact unknown buried cultural resources.	Cult MM 2: The District shall enter into a Cultural Resources Treatment Agreement with the Pechanga Tribe. This agreement shall address the treatment and disposition of cultural resources and human remains that may be uncovered during construction of the project, as well as provisions for Tribal monitors.	Allow Tribal monitors on project site to accompany District monitor.	RCFC&WCD (Design and Construction Division)	None	During storm drain excavation activities
Issue	During construction, there is potential to impact paleontological resources.	Cult EC-1: If paleontological resources are discovered during construction, ground disturbance activities in the vicinity of the discovery shall cease until a qualified paleontological resources specialist can evaluate the significance of the find and, if necessary, develop appropriate treatment measures.	Excavation activities will cease if potential paleontological resources are encountered. A qualified paleontological resources specialist will be retained to evaluate the resources.	RCFC&WCD (Design and Construction Division)	None	During excavation activities

Issue	Potential Impact	Environmental Commitment, Avoidance, Minimization, and/or Mitigation Measures	Action	Implementation Responsibility	Governing Agency	Implementation Timing
V. Cultural Resources	During construction, there is potential to encounter unknown buried human remains.	<p>Cult EC-2: Per State Health and Safety Code Section 7050.5, if human remains are encountered during construction, no further disturbance shall occur until the Riverside County Coroner has made a determination of their origin pursuant to Health and Safety Code 7050.5 and Public Resources Code Section 5097.98. The Riverside County Coroner must be notified within 24 hours of the discovery. If the County Coroner determines that the remains are of Native American descent, the Native American Heritage Commission (NAHC) must be contacted within 24 hours to determine the most likely descendent for this area. Once the most likely descendent is determined, treatment of the Native American human remains will proceed pursuant to Public Resources 5097.98.</p>	Halt construction and notify the County Coroner's Office for proper identification of any human remains found on-site. Contact NAHC to assist, if possible, in disposition of the burial for any human remains found on-site.	RCFC&WCD (Design and Construction Division)	Riverside County Coroner and NAHC	During excavation activities
VII. Hazardous Materials	Construction activity may uncover unknown potentially hazardous materials.	<p>Haz EC-1: If previously unknown hazardous wastes/materials are encountered in the field during construction, ground disturbance activities in the vicinity of the discovery shall cease until a qualified hazardous materials management specialist can assess the potentially hazardous substances and, if necessary, develop appropriate management measures in coordination with the appropriate regulatory agencies.</p>	If hazardous materials are uncovered, cease ground disturbance near the material until a qualified hazardous materials specialist assesses the materials and provides recommendation for their treatment and disposal.	RCFC&WCD (Design and Construction Division)	To be determined by hazardous material specialist	During excavation activities
VII. Hazardous Materials	Construction activity may cause wildfires.	<p>Haz MM-1: When work is conducted adjacent to flammable vegetation appropriate fire-fighting equipment (e.g., extinguishers, shovels, water trucks) shall be available onsite during all phases of project construction to help minimize the chance of human-caused wildfires. Shields, protective mats, and/or other fire preventative methods shall be used during grinding, welding, and other spark-inducing activities.</p>	If appropriate, implement measures to minimize human-caused wildfires.	RCFC&WCD (Design and Construction Division)	N/A	During construction activities

Issue	Potential Impact	Environmental Commitment, Avoidance, Minimization, and/or Mitigation Measures	Action	Implementation Responsibility	Governing Agency	Implementation Timing
XI. Noise	The use of heavy equipment during project construction may temporarily increase noise levels within nearby residential areas.	Noise MM-1: Operation of heavy equipment that may impact adjacent residential structures shall be limited from 7 a.m. to 5 p.m. Monday through Friday, except under special circumstances approved by the District's General Manager-Chief Engineer.	Construction will occur between 7 a.m. and 5 p.m.	RCFC&WCD (Design and Construction Division)	None	During construction
XI. Noise	The use of heavy equipment during project construction may temporarily increase noise levels within nearby residential areas.	Noise MM-2: Each resident adjacent to the storm drain construction site shall be notified in writing three days prior to operation heavy construction equipment near the residences. The notice shall include the expected work schedule and the District's contact information. The District shall alert the construction contractor of any noise complaints and incorporate any feasible and practical techniques which minimize the noise impacts on adjacent residences.	Ensure that the described notices are provided to each resident adjacent to the storm drain construction site and inform the construction contractor of any complaints and feasible corrective measures.	RCFC&WCD (Design and Construction Division)	None	During construction
XV. Transportation and Traffic	Construction activities may impact the routes of emergency service vehicles.	Trans MM- 1: Emergency fire or medical vehicles shall have access through the project site at all times during construction.	Contractor will ensure emergency access through construction areas at all times.	RCFC&WCD (Design and Construction Division)	None	During construction

**RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT**

**California Environmental Quality Act (CEQA)
Initial Study**

- 1. Project title:**
Orange Street Lateral, Stage 1
- 2. Lead agency name and address:**
Riverside County Flood Control and Water Conservation District
1995 Market Street
Riverside, CA 92501
- 3. Contact person email address and phone number:**
Art Diaz: aadiaz@rcflood.org: 951.955.1233
- 4. Project location:**
The proposed project area is generally bounded to the northeast by Washington Street, to the southeast by Macy Street, to the southwest by Orange Street and to the northwest by Fairview Street in unincorporated Riverside County, near the city of Lake Elsinore. The proposed project area may be found within Township 6 South, Range 5 West, Section 10 of the Alberhill 7.5 Series USGS Topographic Quadrangle map.
- 5. Project sponsor's name and address:**
None
- 6. General plan designation:**
The proposed project site is located within the Elsinore Area Plan of the Riverside County General Plan. Land uses adjacent to the proposed project include:
 - MDR: Medium Density Residential.
 - RM: Rural Mountainous.
- 7. Zoning:**
Zoning designations adjacent to the proposed project include:
 - R-1: One Family Dwellings.
 - W-2: Controlled Development Areas.
- 8. Description of project:** *(Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or offsite features necessary for its implementation. Attach additional sheets if necessary.)*
The proposed project entails the construction and subsequent maintenance of an underground storm drain system and appurtenances within existing street and Riverside County Flood Control and Water Conservation District (District) rights-of-way. The proposed storm drain system consists of approximately 700 lineal feet of reinforced concrete storm drain pipe (RCP) that will discharge to the District's existing concrete lined trapezoidal Lime Street Channel. The proposed project begins at the Lime Street Channel and terminates approximately 350 feet southeasterly of the intersection of Fairview Street and Orange Street (see Exhibit 2). A water quality feature is also proposed at the storm drain terminus to collect sediment and debris before it enters the storm drain system. The proposed construction staging area is located southwesterly of the intersection of Orange Street and Macy Street in a disturbed vacant earthen lot. The proposed storm drain system, once completed, will provide substantial flood protection to existing development within the project area.

9. Surrounding land uses and setting: *(Briefly describe the project's surroundings)*

The majority of the storm drain alignment is located within existing unpaved roads. However, a portion of the storm drain alignment along Fairview Street crosses a disturbed hillside, yard and paved driveway of an existing residence. A small portion of the hillside adjacent to Orange Street consisting of extremely sparse ruderal vegetation is located within the proposed water quality feature at the storm drain inlet. The outlet area is located within the District's existing concrete lined trapezoidal Lime Street Channel. The proposed construction staging area is located within a disturbed vacant earthen lot. Surrounding land uses consist of medium density residential and rural mountainous areas.

10. Other public agencies whose approval is required: *(e.g., permits, financing approval, or participation agreement)*

Federal Agencies *(not "public agencies" as defined by CEQA)*

None.

State Agencies

None.

City/County Agencies

Riverside County Transportation Department: Approval of construction activities within County maintained road right-of-way.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors, as checked below, would potentially be affected by this project.

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

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 off-site as well as on-site, 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: No Impact or Less Than Significant" applies when the proposed project will not have a significant effect on the environment, does not require the incorporation of mitigation measures, and does not require the preparation of an Environmental Impact Report. The lead agency must briefly describe the reasons that a proposed project will not have significant effect on the environment and does not require the preparation of an environmental impact report.
5. "Mitigated Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced any 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 "Earlier Analyses", as described in (5) below, may be cross-referenced).
6. 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. (CEQA

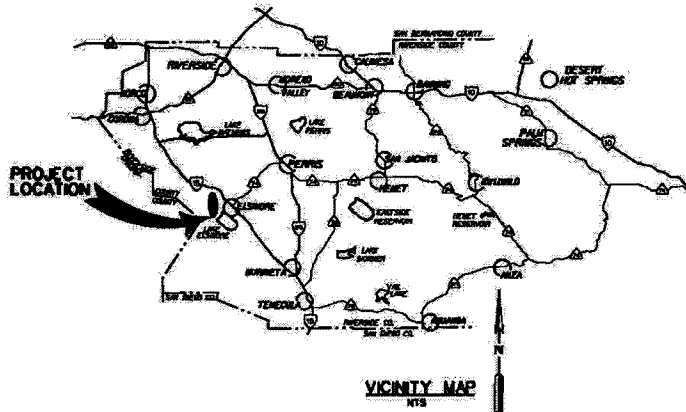
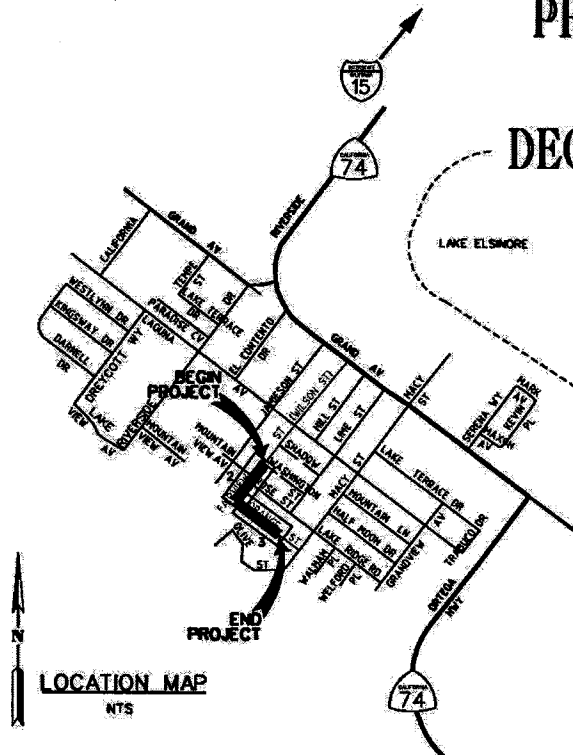
Guidelines Section 15063(c)(3)(D)). The use of an earlier analysis as a reference should include a brief discussion that identifies the following:

- 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 Measures Incorporated", describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
7. 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.
 8. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
 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.

**SECTION 18
PUBLIC HEARING
MAP**



**ORANGE
STREET
LATERAL
STAGE 1
PROJECT NO.
3-0-0012
DECEMBER 2011**







RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

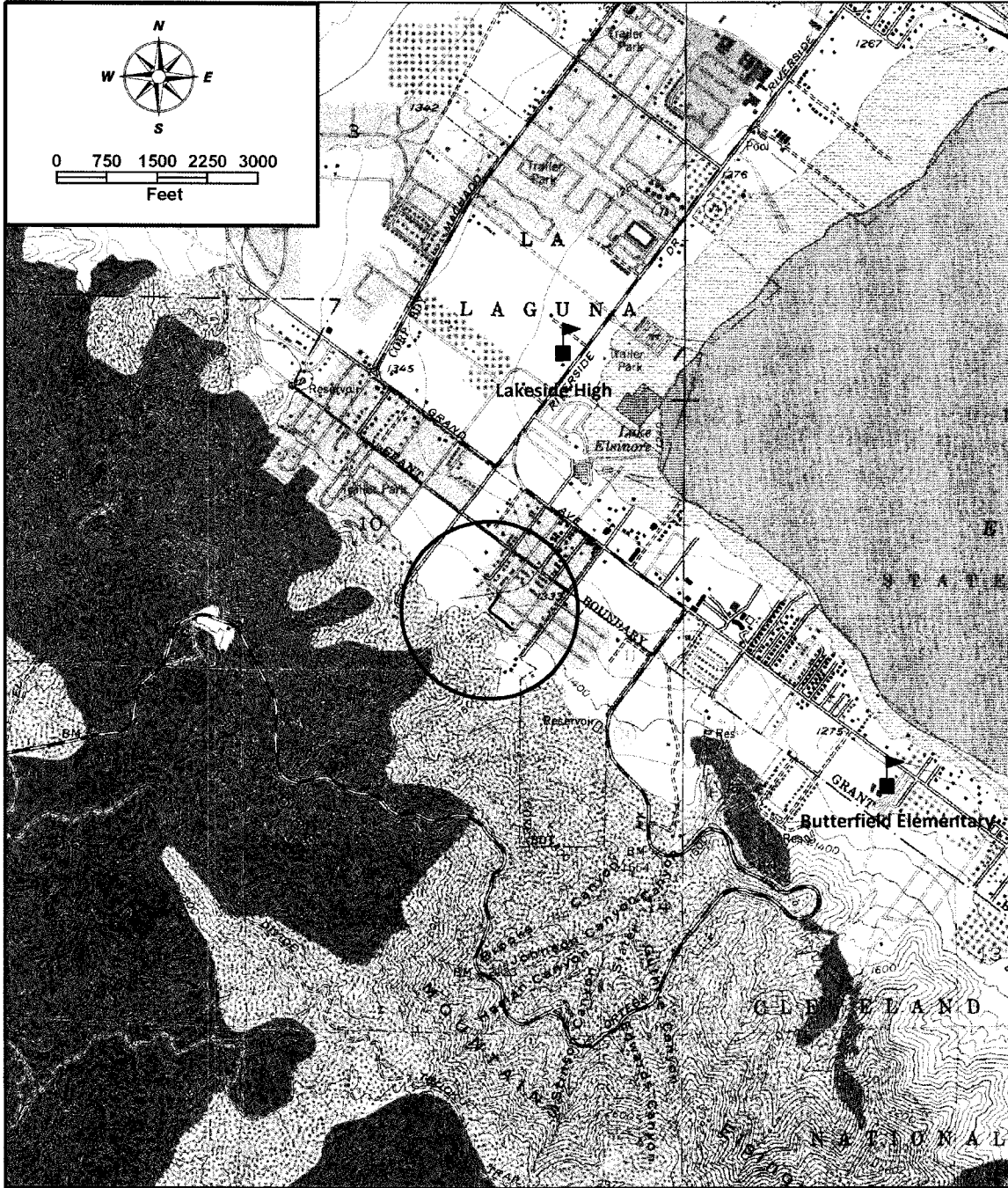
Orange Street Lateral, Stage 1
Project No. 3-0-00012
Location Map




Exhibit 2

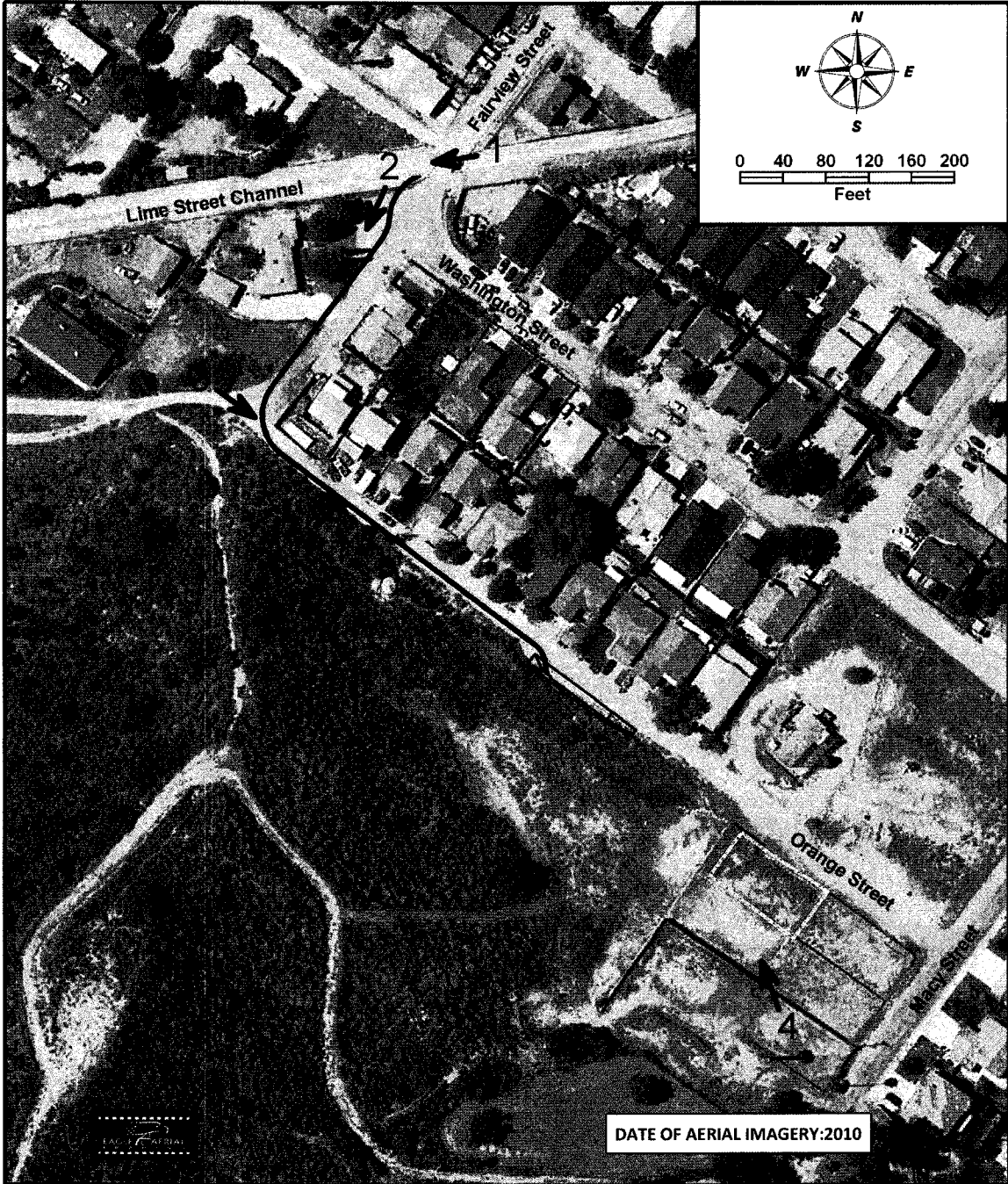
LEGEND

 Proposed Facility

 Proposed Staging Area



RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	LEGEND
Orange Street Lateral, Stage 1 Project No. 3-0-00012 USGS Map	 Proposed Facility  Proposed Staging Area  1/4 Mile Radius
Exhibit 3	



RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

Orange Street Lateral, Stage 1
Project No. 3-0-00012
Photo Locations

Exhibit 4

LEGEND




-  Proposed Facility
-  Proposed Staging Area
-  Photo Location



Photo #1: View of Lime Street Channel at the outlet location.

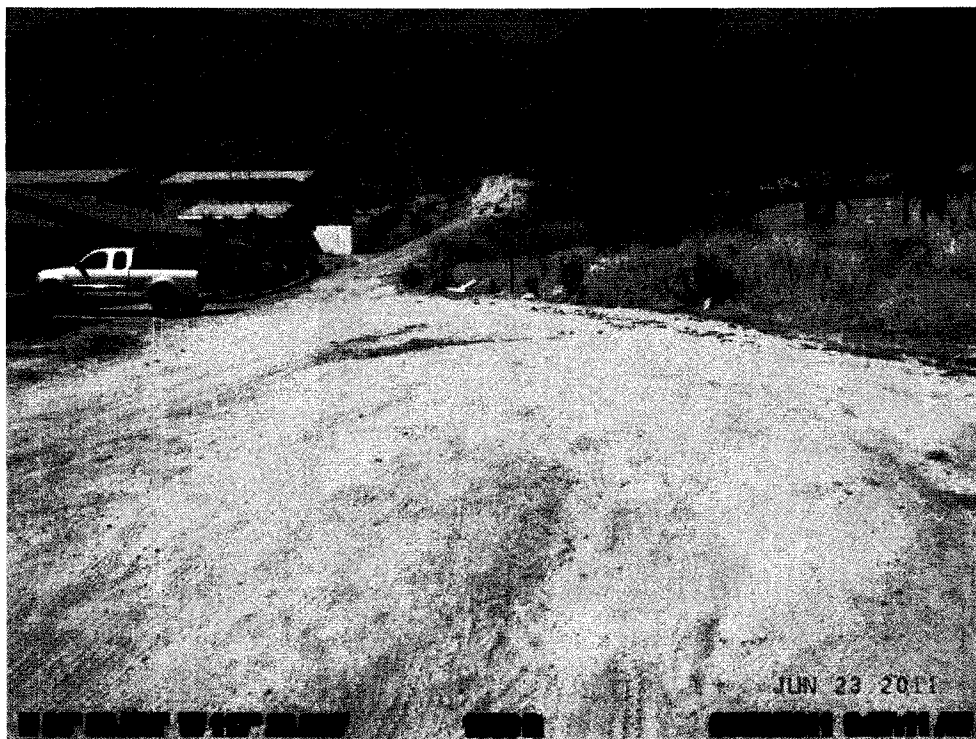


Photo #2: View of Fairview Street looking toward Orange Street.



Photo #3: View of Orange Street from the intersection of Orange and Fairview Streets.



Photo #4: View of the proposed staging area.

	<i>Potentially Significant Unless Mitigation Incorporated</i>	<i>Potentially Significant Unless Mitigation Incorporated</i>	<i>Less than Significant Impact</i>	<i>No Impact</i>
--	---	---	---	----------------------

I. AESTHETICS. Would the project:

- | | | | | | |
|----|--|--------------------------|--------------------------|-------------------------------------|--------------------------|
| a) | Have a substantial adverse effect on a scenic vista? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input 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 checked="" type="checkbox"/> | <input 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"/> |

II. AGRICULTURAL & FOREST 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? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) | Conflict with existing agricultural zoning, agricultural use or land subject to a Williamson Act contract or land within a Riverside County Agricultural Preserve? | <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"/> |
| d) | Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) | Result in the loss of forest land or conversion of forest land to non-forest use? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

III. AIR QUALITY AND GREENHOUSE GAS EMISSIONS. 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:

- | | | | | | |
|----|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| a) | Conflict with or obstruct implementation of the applicable air quality plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) | Violate any air quality standard or contribute substantially to an existing or projected air quality violation? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

	Potential Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
c) Result in 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 (<i>including releasing emissions which exceed quantitative thresholds for ozone precursors</i>)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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, and regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Have a substantial adverse effect on biological resources involved within a jurisdictional water feature as defined by federal, state or local regulations (e.g., Section 404 of the Clean Water Act, Section 401 of the Clean Water Act, Section 1602 of California Fish and Game Code, Porter-Cologne Water Quality Control Act, etc.) through direct removal, filing, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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"/>

	<i>Potentially Significant Unless Mitigation Incorporated</i>	<i>Potentially Significant Unless Mitigation Incorporated</i>	<i>Less than Significant Impact</i>	<i>No Impact</i>
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V. CULTURAL RESOURCES. Would the project:

- | | | | | | |
|----|--|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 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 checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) | Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c) | Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d) | Disturb any human remains, including those interred outside of formal cemeteries? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" 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 type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| ii) | Strong seismic ground shaking? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| iii) | Seismic-related ground failure, including liquefaction? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| iv) | Landslides or mudflows? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) | Result in substantial changes in topography, unstable soil conditions from excavation, grading or fill, or 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 off-site landslide, lateral spreading, subsidence, liquefaction or collapse? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d) | Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994 or most current edition), creating substantial risks to life or property? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) | Have soils incapable of adequately supporting any structures, fill or other improvements associated with the project? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input 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 type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|----|--|--------------------------|--------------------------|-------------------------------------|--------------------------|

	Potential Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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 checked="" 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 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

VIII. HYDROLOGY AND WATER QUALITY. Would the project:

a) Violate or conflict with any adopted water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in substantial discharges of typical stormwater pollutants (<i>e.g. sediment from construction activities, hydrocarbons, and metals from motor vehicles, nutrients and pesticides from landscape maintenance activities, metals of other pollutants from industrial operation,</i>) or substantial changes to surface water quality including, but not limited to, temperature, dissolved oxygen, pH, or turbidity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) 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 (<i>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</i>)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Potential Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of a watercourse or wetland, in a manner which would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Create or contribute runoff water, which would exceed the capacity of existing or planned stormwater drainage systems?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Place housing within a 100-year flood hazard area as mapped on Federal Flood Hazard boundary of 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 structures or fill within a 100-year flood hazard area, 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) Expose people or structures to a significant risk of loss, injury or death involving inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

IX. LAND USE PLANNING. Would the project:

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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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"/>

	<i>Potentially Significant Unless Mitigation Incorporated</i>	<i>Potentially Significant Unless Mitigation Incorporated</i>	<i>Less than Significant Impact</i>	<i>No Impact</i>
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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? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) | Exposure of persons to or generation of excessive ground-borne vibration or ground-borne noise levels? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) | A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) | A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project? | <input type="checkbox"/> | <input checked="" 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 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 expose people residing or working in the project area to excessive noise levels? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

XII. POPULATION AND HOUSING. Would the project:

- | | | | | | |
|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) | Induce substantial population growth in an area, either directly (<i>for example, by proposing new homes and businesses</i>) or indirectly (<i>for example, through extension of roads or other infrastructure</i>) resulting in substantial adverse physical impacts or conflicts with the adopted general plan, specific plan, or other applicable land use or regional plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" 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"/> |

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 following public services: | | | | |
| | Fire protection? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Police protection? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

	Potential Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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? | <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"/> |

XV. TRANSPORTATION AND TRAFFIC. Would the project:

- | | | | | |
|--|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| a) Conflict with an adopted plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Conflict with an adopted congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the appropriate congestion management agency for designated roads or highways? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) Substantially increase hazards due to a design feature (<i>e.g., sharp curves or dangerous intersections</i>) or incompatible uses (<i>e.g., farm equipment</i>)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Would the project result in inadequate emergency access? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e) Would the project result in inadequate parking capacity? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, pedestrian facilities, or other alternate transportation or otherwise decrease the performance or safety of such facilities? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

XVI. UTILITIES AND SERVICE SYSTEMS. Would the project:

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Impact the following facilities requiring or resulting in the construction of new facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | | | | |
| Electricity | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Natural Gas | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

	Potential Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
Communication System	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Street lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Public facilities, including roads and bridges	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) 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"/>
c) 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"/>
d) 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"/>
e) 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 checked="" type="checkbox"/>	<input type="checkbox"/>
f) 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"/>

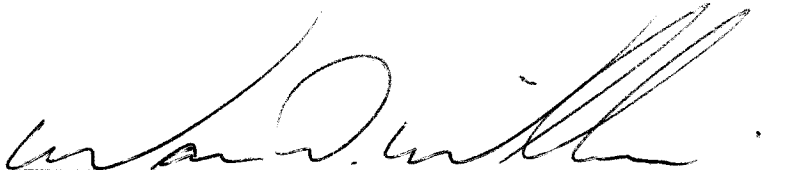
XVII. MANDATORY FINDINGS OF SIGNIFICANCE.

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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Does the project have impacts that are individually limited, but cumulatively considerable? (<i>"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.</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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 the mitigation measures described on an attached sheet have been added to the project. 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, if the effect is a "potentially significant impact" or "potentially significant unless mitigated." 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, there WILL NOT be a significant effect in this case because all potentially significant effects (a) have been analyzed adequately in an earlier EIR pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR, including revisions or mitigation measures that are imposed upon the proposed project.


Signature

3/5/12
Date

WARREN D. WILLIAMS, General Manager-Chief Engineer
Printed Name and Title

Discussion of Potential Environmental Impacts

I. AESTHETICS. Would the project:

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

Less than Significant Impact. Immediate views within the storm drain alignment include residential land uses and undeveloped areas. Exposed surfaces, construction debris and construction equipment may temporarily impact the aesthetic quality of the immediate area. However, impacts will be short-term and will cease upon project completion. Once the project is complete, the majority of the project will be underground away from public view. Therefore, the project will have a less than significant impact on a scenic vista.

Source: Project Design

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

Less than Significant Impact. State Route 74 has been designated as a State Eligible Scenic Highway and is located approximately one quarter of a mile from the proposed project area. The underground storm drain alignment is primarily located within existing road rights-of-way and disturbed areas. As previously described, impacts will be short term and will cease upon project completion. Therefore, the project will have a less than significant impact on scenic resources within a state scenic highway.

Source: Project Design; RCIP

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

Less than Significant Impact. Refer to responses I(a) and I(b). The short-term impacts on visual character or quality of the site and surrounding areas will be less than significant.

Source: Project Design; RCIP

- 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 project would not create new or additional sources of light or glare, either during construction or operation. Only under rare emergency conditions would the use of artificial lighting be anticipated; however, any impacts would be temporary and, therefore, less than significant.

Source: Project Design

II. AGRICULTURE & FOREST 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 project area is not located within the areas designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. Therefore, the project will not convert Prime Farmland, Unique Farmland or Farmland of Statewide importance to non-agricultural use.

Source: RCIP; GIS

- b) **Conflict with existing agricultural zoning, agricultural use or land subject to a Williamson Act Contract or land within a Riverside County Agricultural Preserve?**

No Impact. The proposed project site does not contain areas zoned for agricultural use or subject to a Williamson Act Contract. Therefore, the project will not conflict with existing agricultural zoning, agricultural use or land subject to a Williamson Act Contract.

Source: RCIP; GIS

- 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. See responses I(a) and I(b). The project will not result in conversion of Farmland to non-agricultural use.

Source: RCIP; GIS

- d) **Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?**

No Impact. Forest land are lands capable of supporting 10-percent native tree cover of any species and allows for management of one or more forest resources such as timber, aesthetics, fish and wildlife, biodiversity, water quality, and recreation [**Public Resources Code Section 12220(g)**]. Timberland are lands designated by the board as experimental forest land, which is available for, and capable of, growing a crop of trees of any commercial species used to produce lumber and other forest products [**Public Resources Code Section 4526**]. Timberland Production Zone (TPZ) is an area which has been devoted to and used for growing or harvesting timber [**Government Code Section 51104(g)**].

As shown on the Figure OS-3 (Riverside County Parks, Forest and Recreation Areas) of the Riverside County General Plan, the proposed project site is not located within any land with zoning for forest land, timberland or timberland zoned Timberland Production. Therefore, the proposed project will not conflict with existing forest zoning.

Source: RCIP; Public Resources Code Section 12220; Public Resources Code Section 4526; Government Code Section 51104

e) **Result in the loss of forest land or conversion of forest land to non-forest use?**

No Impact. Forest land does not exist within the project site. Therefore, the project will not result in the loss of forest land or conversion of forest land to non-forest use. See response II(d).

Source: RCIP; Public Resources Code Section 12220; Public Resources Code Section 4526; Government Code Section 51104

III. **AIR QUALITY & GREENHOUSE GAS EMISSIONS.** 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:

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

Less than Significant Impact. The proposed project is located within the South Coast Air Basin (SCAB), a region that currently exceeds and is in violation of state and national ambient air quality standards for ozone (O₃) and particulate matter (PM) less than 10 and 2.5 microns in diameter (PM₁₀ and PM_{2.5}). The South Coast Air Quality Management District (SCAQMD) regulates air quality emissions within the SCAB and has prepared a series of Air Quality Management Plans (AQMP), the most recent of which was adopted by the Governing Board of the SCAQMD on June 1, 2007 (2007 AQMP). The 2007 AQMP is designed to meet applicable federal and state requirements, including attainment of ambient air quality standards. To assess the impacts of project-related construction and operational emissions, the SCAQMD has established regional significance thresholds.

As described below, construction and subsequent maintenance emissions from the proposed project will only result in temporary, less than significant impacts to air quality. The proposed project must also comply with applicable provisions of Rule 403 for the control of fugitive dust. As such, the proposed project will not conflict with or obstruct implementation of the 2007 AQMP.

Source: AQMP; SCAQMD

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

Less than Significant Impact. The SCAB currently exceeds and is in violation of state and national ambient air quality standards for O₃, PM₁₀ and PM_{2.5}. The SCAQMD has established regional significance thresholds to help assess the impacts of project-related construction and operational emissions. Construction and operational emissions from the proposed project that are below these thresholds are considered less than significant. Subsequent maintenance of the proposed flood control facility is expected to release infrequent and minor air emissions associated with trucks used on an as-needed basis for inspection or maintenance purposes. Temporary construction emissions would come from heavy equipment exhaust, construction-related trips by workers, and associated fugitive dust generation from excavation and grading activities. Construction emission thresholds as recommended by the SCAQMD and estimated construction emissions for the proposed project are noted in Table 1. The estimated construction emissions are calculated using the CalEEMod (version 2011.1.1) air pollution model. For the purposes of running the model, it was assumed that the construction would occur in a 2 month period. The construction emissions estimates are based on every piece of equipment operating a full 8 hours per day

(even though some equipment will actually sit idle during the construction process). These estimates are also based on unmitigated emissions. See CalEEMod printout in Appendix 1 for the detailed emissions reports.

Table 1: Estimated Construction Air Quality Emissions

Criteria Pollutant	SCAQMD Significance Criteria for Construction (lbs/day)	Project Estimated Construction Emissions (lbs/day)
Nitrogen Oxides	100	75.39
Reactive Organic Gases	75	9.60
Sulfur Dioxide	150	0.09
Carbon Monoxide	550	42.47
PM10	150	4.81
PM2.5	55	4.39

Based on the estimated values that are shown above in Table 1, the temporary construction emissions from the proposed project will not exceed the SCAQMD's recommended significant thresholds for construction. In addition, compliance with Rule 403 for the control of fugitive dust would ensure that the proposed project will not violate any air quality standard or contribute substantially to an existing or projected air quality violation.

Source: Project Design; CARB; SCAQMD; CalEEMod

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

Less than Significant Impact. The SCAB is designated as a non-attainment area for O₃, PM_{2.5}, and PM₁₀. The proposed project will only result in short-term construction emissions. As shown in Section III(b), the temporary construction emissions associated with the proposed project will not exceed daily construction emissions significance thresholds recommended by the SCAQMD. As a result, the proposed project will not result in a cumulatively considerable net increase of any criteria pollutant.

Source: SCAQMD

- d) **Expose sensitive receptors to substantial pollutant concentrations?**

Less than Significant Impact. The proposed project site is located adjacent to an existing residential neighborhood. Long term emissions associated with subsequent operation and maintenance of the proposed flood control facility are not expected to be significant. Considering the temporary nature of the construction activities and the estimated values of construction emissions as discussed in Section III(b), the proposed project will not expose sensitive receptors to substantial pollutant concentrations.

Source: CalEEMod

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

Less than Significant Impact. The proposed project site is located adjacent to an existing residential neighborhood. Construction activities may produce odors associated with the operation of heavy equipment; however, the generation of any odors would be of short duration and not considered a significant impact.

Source: Project Design

f) **Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?**

Less than Significant Impact. On June 1, 2005, Governor Arnold Schwarzenegger signed Executive Order S-3-05 which sets forth a series of target dates by which statewide greenhouse gas (GHG) emissions would be reduced to, as follows: 1) 2000 levels by the year 2010; 2) 1990 levels by the year 2020; and 3) eighty percent (80%) below the 1990 levels by the year 2050. In 2006, the California State Legislature adopted AB 32 (Global Warming Solutions Act of 2006) and the Governor signed it into law. AB 32 requires the California Air Resources Board (ARB), the State agency charged with regulating statewide air quality, to adopt rules and regulations that would achieve GHG emissions equivalent to statewide levels in 1990 by the year 2020. GHG as defined under AB 32 include carbon dioxide (CO₂), methane, nitrous oxide, sulfur hexafluoride, hydrofluorocarbons, and perfluorocarbons. CO₂ has been identified as the most important anthropogenic GHG because it comprises the majority of total GHG emissions emitted per year and it is very long-lived in the atmosphere.

The main source of GHG emissions associated with the project is the previously described short-term emissions related to the use of heavy equipment. CalEEMod (version 2011.1.1) estimated that the temporary project construction emissions will be 170.24 metric tons of CO₂ equivalents per year (MTCO_{2eq/yr}) for 2012. Subsequent operation and maintenance of the proposed project is expected to release infrequent and minor GHG emissions far less than the estimated 2013 construction emissions of 386.83 MTCO_{2eq/yr}.

Currently, there are no established significance thresholds from federal or state agencies. However, in October 2008, the ARB and SCAQMD issued the draft "Recommended Approaches for Setting Interim Significance Thresholds for Greenhouse Gases under the California Environmental Quality Act" and the "Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold", respectively. Each agency's draft guidance material represents a potential analytical framework for addressing CEQA significance thresholds for GHG. In general, interim GHG thresholds of 7,000 and 10,000 MTCO_{2eq/yr} are recommended by ARB and SCAQMD, respectively. The estimated project construction GHG emissions of 170.24 MTCO_{2eq/yr} is well below the available interim GHG threshold recommended by the ARB and SCAQMD. Therefore, the proposed project will not generate GHG emissions that would cause significant direct or indirect impacts on the environment.

Source: CalEEMod; CARB; SCAQMD

- g) **Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases?**

Less than Significant Impact. As discussed above, the GHG emissions generated by the proposed project are temporary and fall well below the recommended significance thresholds. Therefore, the proposed project will not conflict with any plan, policy or regulation of an agency adopted for the purpose of reducing emissions of GHG.

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 the U.S. Fish and Wildlife Service?**

Less than Significant Impact. The proposed project area is not located within habitat assessment and/or survey areas for species covered under the approved Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP). Species identified as a candidate, sensitive, or special status are not expected to occur onsite.

Along Orange Street, one upland willow tree and one upland mulefat shrub not associated with a riparian/riverine system may need to be removed to install an inlet structure. The Federal Migratory Bird Treaty Act (MBTA) and California Department of Fish and Game (CDFG) Code Sections 3503, 3503.5 and 3800 prohibit the take, possession or destruction of any birds, their nests or eggs. Although the potential removal of the tree and shrub is considered less than significant, the District will comply with the MBTA and CDFG Code through the implementation of the following environmental commitment:

BIO EC-1: The removal of potential nesting vegetation will be conducted outside of the nesting season (March 15 to September 15) to the extent that this is feasible. If vegetation must be removed during the nesting season, a nesting bird survey of potentially suitable nesting vegetation will be conducted prior to removal. Surveys will be conducted no more than three (3) days prior to scheduled vegetation removals. If active nests are identified, the biologist will establish buffers around the vegetation containing the active nest (300 feet for raptors and 100 feet for non raptors). The vegetation containing the active nest will not be removed, and no grading will occur within the established buffer, until a qualified biologist has determined that the nest is no longer active (i.e., the juveniles are surviving independent from the nest). If clearing is not conducted within three days of a negative survey, the nesting survey must be repeated to confirm the absence of nesting birds.

Source: MSHCP; Project Design; MBTA; CDFG

- 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 the U.S. Fish and Wildlife Service?**

No Impact. The proposed project site is located within existing disturbed street and District rights-of-way with a portion of the storm drain alignment along Fairview Street crossing a disturbed maintained hillside, yard and paved driveway. At the outlet, the proposed storm drain system will connect to an existing concrete lined trapezoidal storm drain channel. The proposed project does not impact any riparian habitat or other sensitive natural community.

Source: Project Design

- c) **Have a substantial adverse effect on biological resources involved within a jurisdictional water feature as defined by federal, state or local regulations (e.g., Section 404 of the Clean Water Act, Section 401 of the Clean Water Act, Section 1602 of California Fish and Game Code, Porter-Cologne Water Quality Control Act, etc.) through direct removal, filing, hydrological interruption, or other means?**

No Impact. See response to IVb. The installation of the storm drain system will not impact a jurisdictional water feature as defined by federal, state or local regulations.

Source: Project Design

- 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. According to Figure 3-2 of the MSHCP, the project will not interfere 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.

Source: MSHCP

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

No Impact. The proposed project will not conflict with any local policy or ordinances protecting biological resources, such as tree preservation policy and ordinance.

Source: RCIP

- 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. On June 17, 2003, the Riverside County Board of Supervisors adopted the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP). The U.S. Fish and Wildlife Service and California Department of Fish and Game issued "take" permits on June 22, 2004 for the implementation of the MSHCP. The MSHCP is a comprehensive, multi-jurisdictional habitat conservation plan focusing on the conservation of species and their associated habitats in Western Riverside County. The Riverside County Flood Control and Water Conservation District (District) is a MSHCP permittee and the proposed project must fulfill all applicable MSHCP requirements. The following addresses consistency of the proposed project with the District's MSHCP requirements:

Section 3.2.1, P/QP Lands and Criteria Cells – The proposed project is not located within areas designated as Criteria Areas or Public/Quasi-Public (P/QP) Lands by the MSHCP.

Section 6.1.2, Protection of Species Associated with Riparian/Riverine Areas and Vernal Pools – The proposed project area does not meet the MSHCP definition of

riparian/riverine areas or vernal pools. In addition, the proposed project area lacks suitable habitat for the species listed in Sections 6.1.2 of the MSHCP. Therefore, no analysis or survey is required.

Section 6.1.3, Protection of Narrow Endemic Species – Habitat assessments and/or focused surveys for certain narrow endemic plant species are required for projects within MSHCP mapped survey areas. The proposed project is not located within a mapped survey area for the Narrow Endemic Plant Species. Therefore, no habitat assessment or survey is required under Section 6.1.3 of the MSHCP.

Section 6.1.4, Urban/Wildlands interface requirements – Section 6.1.4 of the MSHCP provides guidelines to minimize indirect effects of a project in proximity to a MSHCP conservation area. The proposed project is not located within the Criteria Area or Public/Quasi Public Lands as designated in the MSHCP, and is therefore not subject to further analysis or implementation of any conservation measures as shown in the guidelines.

Section 6.3.2, Additional Survey Needs and Procedures - Habitat assessments and/or focused surveys for certain additional plant and animal species are required for projects within MSHCP mapped survey areas. The proposed project is not located within a mapped survey area for plant, amphibian, mammal species or Burrowing Owl. Therefore, no habitat assessment or survey is required under Section 6.3.2 of the MSHCP.

The District will consider and implement all appropriate Standard Best Management Practices as listed in Appendix C of the MSHCP. Additionally, the District will pay the MSHCP mitigation fee in accordance with Section 13.4 Provision B of the MSHCP Implementing Agreement.

Based on the above discussion, the proposed project is consistent with the MSHCP.

Source: MSHCP

V. CULTURAL RESOURCES. Would the project:

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

Less than Significant Impact. The Riverside County General Plan Historical Resources Map (Figure OS-7) indicates that the project site is not located within an area of known historical resources. A cultural resources records search by the Eastern Information Center (EIC) dated August 15, 2011 indicates that no cultural resources properties are recorded within the boundaries of the project area. The EIC also consulted the National Register of Historic Places (NRHP), California Office of Historical Preservation (OHP) Archeological Determinations of Eligibility and Historic Property Directory, and the 1901 USGS Elsinore 30-minute topographic map. The NRHP and OHP indicate that there is no listed historical property within the boundaries of the project area. Based on the available information, no known listed historical property would be impacted by the project. Due to the highly disturbed nature of the project area, it is unlikely that historical resources will be found during construction.

Source: EIC

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

Potentially Significant Unless Mitigation Incorporated. The District received the Sacred Lands File (SLF) search from the Native American Heritage Commission (NAHC) on August 4, 2011. The SLF failed to indicate the presence of Native American cultural resources within the project area. This information does not preclude the potential for uncovering buried cultural resources during construction. In accordance with the NAHC recommendations, all the Native American tribes in the region were contacted regarding information that they may have concerning Native American cultural resources in the project area.

The District received comments from the Pechanga Band of Mission Indians (Pechanga Tribe) and the Rincon Band of Luiseno Indians. Both Tribes expressed concern regarding the proximity of the project area to a known Indian village and have requested that Tribal monitors be present during construction. Given the fact that the proposed project is located in an area considered sensitive by the Tribes, the District will consult on the treatment and disposition of cultural resources and human remains that may be uncovered during the construction of the project. The following mitigation measures will be incorporated into the project:

Cult MM-1: A District approved archaeological monitor shall be present during all project related ground disturbance within soils other than bedrock. If cultural resources are discovered during project construction, all work in the area of the find shall cease, and a qualified archaeologist shall investigate the find in consultation with Tribal monitor. If any discovered archaeological or historical resources merit long-term consideration, adequate funding will be provided to collect, curate and report these resources in accordance with standard archaeological management requirements and/or the Cultural Resources Treatment Agreement described in Cult MM-2.

Cult MM-2: The District shall enter into a Cultural Resources Treatment Agreement with the Pechanga Tribe. This agreement shall address the treatment and disposition of cultural resources and human remains that may be uncovered during construction of the project, as well as provisions for Tribal monitors.

Source: EIC; NAHC

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

Less than Significant Impact. The Riverside County General Plan Paleontological Sensitivity Areas Map (Figure OS-8) indicates that the project site is located within an area of low potential for containing paleontological resources. As previously mentioned the proposed project area has been disturbed by utility installation, street construction and landscaping activities. Therefore, it is unlikely that any paleontological resources will be impacted during construction. However, in the event of the accidental discovery of any paleontological resources during construction, the following environmental commitment shall be implemented:

Cult EC-1: If paleontological resources are accidentally discovered during construction, ground disturbance activities in the vicinity of the discovery shall cease until a qualified paleontological resources specialist can evaluate the significance of the find and, if necessary, develop appropriate treatment measures.

Source: RCIP

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

Less than Significant Impact. Based on the EIC and SLF cultural resources records search and the disturbed nature of the project site, it is unlikely that human remains are located within the proposed project area. In the unlikely event that human remains are encountered on the project site, the implementation of the following environmental commitment will ensure that potential impacts remain less than significant:

Cult EC-2: Per State Health and Safety Code Section 7050.5, if human remains are encountered during construction, no further disturbance shall occur until the Riverside County Coroner has made a determination of their origin pursuant to Health and Safety Code 7050.5 and Public Resources Code Section 5097.98. The Riverside County Coroner must be notified within 24 hours of the discovery. If the County Coroner determines that the remains are of Native American descent, the Native American Heritage Commission (NAHC) must be contacted within 24 hours to determine the most likely descendent for this area. Once the most likely descendent is determined, treatment of the Native American human remains will proceed pursuant to Public Resources 5097.98.

Source: EIC; SLF; State Health and Safety Code 7050.5; Public Resources Code 5097.98; Project Design

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 the Division of Mines and Geology Special Publication 42.**

No Impact. The proposed project is not located within or near a currently delineated State of California Alquist-Priolo Earthquake Fault Zone. However, the County of Riverside has delineated this area as a County Fault Zone. Within County Fault Zones, proposed tracts of four or more dwelling units must investigate the potential for and setback from ground rupture hazards. The proposed underground storm drain project does not involve the development of dwelling units and will not expose people or structures to potential substantial adverse effects involving rupture of known fault.

Source: GIS; RCIP

ii. **Strong seismic groundshaking?**

Less than Significant Impact. According to Figure S-12 of the County of Riverside General Plan, the project area is located within an area of "extremely high" risk for ground shaking. The proposed storm drain system may potentially be damaged during a seismic event; however, installation of the storm drain system will not expose people or existing habitable structures to these hazards beyond the current condition. The District's routine

inspection and maintenance activities will ensure that the storm drain system is repaired if damage does occur during a seismic event.

Source: RCIP

iii. **Seismic-related ground failure including liquefaction?**

Less than Significant Impact. According to Figure S-3 of the County of Riverside General Plan, the proposed project area is located within areas of "moderate" susceptibility for liquefaction. The proposed storm drain system may potentially be damaged by seismic related ground failure including liquefaction; however, installation of the storm drain system will not expose people or existing habitable structures to these hazards beyond the current condition. The District's routine inspection and maintenance activities will ensure that the storm drain system is repaired if damage does occur during a seismic-related ground failure.

Source: RCIP; GIS

iv. **Landslides or mudflows?**

Less than Significant Impact. The Elsinore Area Plan Slope Instability Map (Figure 14) of the Riverside County General Plan indicates that the proposed project area is located adjacent to an area of low or locally moderate susceptibility to seismically induced landslides and rockfalls. The proposed storm drain system may potentially be damaged by landslides or mudflows; however, installation of the storm drain system will not expose people or existing habitable structures to these hazards beyond the current condition.

Source: RCIP

b) **Result in substantial changes in topography, unstable soil conditions from excavation, grading or fill, or soil erosion or the loss of topsoil?**

Less than Significant Impact. The excavation operation will be conducted in accordance with the Division of Occupational Safety and Health (CAL/OSHA) standards to ensure that unstable soil conditions do not occur. The backfill operation will be conducted in accordance with the applicable recommendations of the Geotechnical Report. During the construction phase, appropriate Best Management Practices (BMPs) will be implemented by the construction contractor to minimize erosion. The proposed project finish grade will also match existing conditions. Therefore, potential impacts will be reduced to less than significant.

Source: Project Design

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?**

Less than Significant Impact. According to Figure S-7 (Documented Subsidence) of the Riverside County General Plan, the proposed project is located in an area that may be

susceptible to subsidence. The proposed project will be designed and constructed in accordance with the applicable recommendations in the geotechnical analysis prepared for the project, therefore, impacts relating to on-site or off-site landslide, lateral spreading, subsidence, liquefaction or collapse will be less than significant. See responses VIa) iii) and VIa) iv).

Source: RCIP; GeoTech

- 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?**

No Impact. Based on the Geotechnical Report, expansive soils were not identified within the project site.

Source: GeoTech

- e) **Have soils incapable of adequately supporting any structures, fill or other improvements associated with the project?**

Less than Significant Impact. The Geotechnical Investigation did not identify any support issues with existing soils. The proposed project will follow the recommendations of the Geotechnical Investigation Report to ensure that the soils are capable of adequately supporting the storm drain system.

Source: GeoTech; Project Design

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?**

Less than Significant Impact. Construction and subsequent maintenance of the proposed project does not involve the routine use or transport of hazardous materials beyond the short-term use of petroleum-based fuels, lubricants, pesticides and other similar materials during construction and maintenance activities. The construction phase may include the transport of gasoline and diesel fuel to the project site and on-site storage for the sole purpose of fueling construction equipment. BMPs stipulating proper storage of hazardous materials and vehicle fueling will be implemented during construction. All transport, handling, use and disposal of substances such as petroleum products, solvents and paints related to operation and maintenance of the proposed project will comply with all Federal, State and local laws regulating the management and use of hazardous materials. Therefore, impacts related to creating a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials will be less than significant.

Source: Project Design

- 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?**

Less than Significant Impact. Since the proposed project will comply with measures including construction BMPs, transport and handling laws regulating the management and

use of hazardous materials, potential impacts will be less than significant. See response VIIa.

Source: Project Design

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

No Impact. Existing or proposed schools are not located within one-quarter mile of the proposed project site. See Section VIIa.

Source: Exhibit 3; Project Design

- 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?**

Less than Significant Impact. A review of the Department of Toxic Substance Control's Hazardous Waste and Substances List (Cortese List) indicates that the proposed project is not located on an identified hazardous materials site. Also, a review of the State Water Resources Control Board's Leaking Underground Storage Tank (LUST) database and the Environmental Protection Agency's Enviromapper database indicates that there are no listed hazardous materials sites within the project area.

Source: DTSC, SWRCB, EPA

- 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 project is not located within an airport's land use plan or within two miles of a public airport or public use airport. No impacts are anticipated.

Source: RCIP; GIS; Project Design

- 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 project is located within the vicinity of two private airstrips (Skylark Field Airport, located approximately 5 miles southeast of the project area and McConville Airstrip, located approximately 2.75 miles southwest of the project area). However, the project does not include development that would result in a safety hazard for people residing or working within the project area. No impacts are anticipated.

Source: Project Design

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

Less than Significant Impact. Neither the construction nor subsequent maintenance of the proposed project is expected to impair implementation of or physically interfere with the County's Emergency Operation Plan and Multi-Jurisdictional Local Hazard Mitigation

Plan. Vehicular access will be maintained and/or detours will be provided during project construction. It is also standard practice for the District to notify public safety agencies prior to commencing project construction activity.

Source: Project Design

- 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?**

Potentially Significant Unless Mitigation Incorporated. Figure 11 (Elsinore Area Plan Wildfire Susceptibility) of the Riverside County General Plan indicates that the project is adjacent to areas designated as high and very high susceptibility to wildfires. Storm drain facilities are not susceptible to damage by fire nor would they expose people to wildland fires. However, due to the proximity of the project area to areas susceptible to wildfire, there will be an increased potential for wildfire during construction. To ensure that potential impacts remain less than significant, the following mitigation measure will be incorporated into the project:

Haz MM-1: When work is conducted adjacent to flammable vegetation appropriate fire-fighting equipment (e.g., extinguishers, shovels, water trucks) shall be available onsite during all phases of project construction to help minimize the chance of human-caused wildfires. Shields, protective mats, and/or other fire preventative methods shall be used during grinding, welding, and other spark-inducing activities.

Source: RCIP

VIII. HYDROLOGY AND WATER QUALITY. **Would the project:**

- a) **Violate or conflict with any adopted water quality standards or waste discharge requirements?**

Less than Significant Impact. The proposed project consists of the construction, operation and maintenance of an underground storm drain system that will convey stormwater from undeveloped areas to the existing Lime Street Channel and ultimately to Lake Elsinore. Lake Elsinore is listed as an impaired water body for polychlorinated biphenyls and unknown toxicity on the Clean Water Act Section 303(d) list. Existing development does not drain to the proposed project and the proposed project will not create new sources of stormwater pollution. A water quality feature will also be constructed at the inlet to capture sediment before it enters the storm drain system. During construction, there is potential for the temporary discharge of pollutants from the construction site. The proposed project disturbs less than one acre, therefore, a Stormwater Pollution Prevention Plan (SWPPP) is not required under the California General Construction Permit Order No 2009-0009-DWQ. However, the District is required to comply with the NPDES Municipal Separate Storm Sewer System (MS4) permit issued by the Santa Ana Regional Water Quality Control Board (SARWQCB) including new development requirements. Although this project is not subject to the Water Quality Management Plan (WQMP) requirements, the District is required to consider applicable site and source control BMPs described in the Drainage Area Management Plan (DAMP). Compliance with the above programs/permits will ensure that the project would not violate any water quality standards or waste discharge requirements.

Source: Project Design; NPDES; RWQCB; Basin Plan

- b) **Result in substantial discharges of typical stormwater pollutants (e.g., sediment from construction activities, hydrocarbons, and metals from motor vehicles, nutrients and pesticides from landscape maintenance activities, metals of other pollutants from industrial operation,) or substantial changes to surface water quality including, but not limited to, temperature, dissolved oxygen, pH, or turbidity?**

Less than Significant Impact. The proposed project will not result in substantial discharges of typical stormwater pollutants. See response VIIIa.

- c) **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 use for which permits have been granted)?**

No Impact. The proposed project will not result in the withdrawal or use of groundwater. The proposed project will be constructed within existing street and District rights-of-way that do not provide substantial groundwater recharge due to the steeply sloping terrain.

Source: Project Design

- d) **Substantially alter the existing drainage pattern of the site or area, including through the alteration of a watercourse or wetland, in a manner which would result in substantial erosion or siltation on- or off-site?**

Less than Significant Impact. The proposed project will not alter the existing drainage pattern. The proposed project area is currently subject to reoccurring erosion caused by high velocity flows. The proposed storm drain system will reduce potential erosion and thereby minimize downstream siltation. Potential changes in erosion or siltation patterns on- or offsite will be less than significant.

Source: Project Design

- e) **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?**

Less than Significant Impact. The proposed project will collect and convey stormwater runoff to the existing Lime Street channel which is where the stormwater goes today. No new impervious area is proposed with the project that would increase surface runoff.

Source: Project Design

- f) **Create or contribute runoff water, which would exceed the capacity of existing or planned stormwater drainage systems?**

No Impact. The proposed project will not create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems. Runoff from the project area will not exceed the current condition.

Source: Project Design

- 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 project is not a housing project, nor is there a mapped flood hazard area in the vicinity. The proposed project will reduce the exposure of people and property to local flood hazards.

Source: Project Design, FEMA

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

No Impact. See response to VIIIg.

Source: Project Design, FEMA

- 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 a dam?**

No Impact. The proposed underground storm drain system will 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 a dam. Conversely, the proposed project will increase the level of flood protection for local residents.

Source: Project Design

- j) **Expose people or structures to a significant risk of loss, injury or death involving by seiche, tsunami, or mudflow?**

No Impact. The proposed project area is not subject to inundation by a seiche or tsunami. The proposed flood control facility will not increase the potential for mudflows.

Source: Project Design

IX. LAND USE PLANNING. Would the project:

- a) **Physically divide an established community?**

No Impact. The proposed project consists of an underground storm drain system and would not physically divide an established community.

Source: Project Design

- 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?**

No Impact. The proposed project will not conflict with any land use designations or policies adopted for the purpose of avoiding or mitigating an environmental effect. The proposed project is subject to compliance with the Western Riverside County MSHCP. Based on the discussion in IVf, the project is consistent with the MSHCP component of the RCIP.

Source: Project Design

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?**

Less than Significant Impact. According to the Riverside County General Plan, much of the project vicinity is classified by the State of California as a Mineral Resource Zone 3 (MRZ-3). This classification denotes mineral deposits are likely to exist; however, the significance of the deposit is undetermined. The proposed project includes excavation to install the storm drain system; however, due to previous disturbances and the relatively small impact area, the project will have a less than significant impact.

Source: RCIP

- 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 project is not located within a delineated mineral resource recovery site.

Source: RCIP

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?**

No Impact. Riverside County Ordinance 847 Section 2 (b) states that capital improvement projects of a governmental agency are exempt from noise regulations. Therefore, the proposed project will not exceed standards established in the local general plan or noise ordinance, or applicable standards of other agencies.

Source: RCIP

- b) **Exposure of persons to or generation of excessive ground-borne vibration or ground-borne noise levels?**

Less than Significant Impact. The proposed project would involve the temporary intermittent use of construction equipment for various construction and maintenance activities over the life of the project and may result in temporary ground-borne vibration impacts in the project area.

Caltrans' Transportation and Construction Induced Vibration Guidance Manual (Manual) provides methods to estimate construction induced ground-borne vibration, and provides criteria for acceptable levels of ground-borne vibration for human perception and potential damage to buildings. Tables 2 and 3 list criteria for both human perception and building damage resulting from construction induced vibration.

Table 2: Guidance Vibration Annoyance Potential Criteria

Human Response	Maximum PPV (in/sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Barely Perceptible	0.04	0.01
Distinctly Perceptible	0.25	0.04
Strongly Perceptible	0.90	0.10
Severe	2.00	0.40

Table 3: Guidance Vibration Damage Potential Threshold Criteria

Structure and Condition	Maximum PPV (in/sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.20	0.10
Historic and some old buildings	0.50	0.25
Older residential structures	0.50	0.30
New residential structures	1.00	0.50
Modern industrial/commercial buildings	2.00	0.50

Ground-borne vibration resulting from construction of the proposed project would be similar to a large bulldozer. Table 4 lists the estimated minimum and maximum construction induced vibration impacts at various points in the proposed project area using methods described in the Manual. Construction induced ground-borne vibration varies from 0.03 inches/second to 0.07 inches/second within the proposed project area.

Table 4: Project Construction Induced Impacts (in/sec)

Estimated Construction Induced Vibration Impacts (large bulldozer)		Threshold Intermittent Construction Induced Vibration	
Minimum (at 50 feet)	Maximum (at 25 feet)	Human Perception ("Distinctly Perceptible")	Building Damage
0.03	0.07	0.04	0.50

The maximum estimated vibration is slightly above levels categorized as "Distinctly Perceptible" and near levels categorized as "Strongly Perceptible". However, vibration levels estimated using the Manual assumes worst-case situations and actual levels are typically lower. The maximum estimated vibration is also well below the threshold for

potentially causing damage to buildings. Therefore, no damage to buildings because of construction induced ground-borne vibration is expected.

Source: Project Design; Caltrans

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

No Impact. The construction, operation or maintenance of a flood control facility will not result in a permanent substantial ambient noise increase. Potential noise impacts will be limited to the temporary impacts.

Source: Project Design

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

Potentially Significant Unless Mitigation Incorporated. The proposed project would involve the temporary intermittent use of construction equipment for various construction and maintenance activities over the life of the project. Construction and maintenance equipment may result in temporary increases above existing noise levels. Construction equipment noise generally ranges from 70 to 95 dBA at 50 feet from the source. At about 500 feet from the source, intermittent levels from the loudest construction equipment would be about 75 dBA. Maintenance activities would be infrequent and involve less equipment than the initial construction of the proposed project. Residential areas are located adjacent to the project site and could be temporarily affected by increased noise levels during construction. The long-term operation and maintenance of the proposed project would not cause a significant increase in noise levels. To ensure that potential short-term impacts are less than significant, the proposed project will incorporate the following mitigation measures:

Noise MM-1: Heavy equipment that may impact adjacent residential structures shall be limited from 7 a.m. to 5 p.m. Monday through Friday, except under special circumstances approved by the District's General Manager-Chief Engineer.

Noise MM-2: Each resident adjacent to the storm drain construction site shall be notified in writing three days prior to operation of heavy construction equipment near the residences. The notice shall include the expected work schedule and the District's contact information. The District shall alert the construction contractor of any noise complaints and incorporate any feasible and practical techniques which minimize the noise impacts on adjacent residences.

Source: Project Design, RCIP

- 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?**

No Impact. The Proposed project is not located within an airport's land use plan or within two miles of a public airport or public use airport. No impacts are anticipated.

Source: Project Design

- 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?**

No Impact. The proposed project is located within the vicinity of two private airstrips (Skylark Field Airport, located approximately 5 miles southeast of the project area and McConville Airstrip, located approximately 2.75 miles southwest of the project area). However, the project does not include development that would expose people residing or working within the project area to excessive noise levels. No impacts are anticipated.

Source: Project Design

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*) resulting in substantial adverse physical impacts or conflicts with the adopted general plan, specific plan, or other applicable land use or regional plan?**

No Impact. The proposed project does not include the construction of any new homes or businesses and is not expected to result in any change to existing land use patterns or trigger substantial growth in the area. Portions of the project area are currently zoned for residential uses and are already developed. Any development that may occur is subject to the policies of the Riverside County General Plan and to further review by the Community.

Source: Project Design

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

No Impact. The proposed project will not displace any existing housing.

Source: Project Design

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

No Impact. The proposed project will not displace people, and therefore, will not necessitate the construction of replacement housing elsewhere.

Source: Project Design

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 government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service rations, response times or other performance objectives for any of the following public services?**

i. Fire protection?

No Impact. The proposed project would not require new fire protection services.

ii. Police protection?

No Impact. The proposed project would not require new police services.

iii. Schools?

No Impact. The proposed project would not affect existing schools or require new schools within the area.

iv. Parks?

No Impact. Additional demands on existing public parks would not occur. New or improved park facilities would not be necessary as a result of the proposed project.

v. Other public facilities?

No Impact. Public roads and flood control facilities are the only public facilities that may be impacted by the proposed project. Once completed, the proposed project will reduce the potential for flood damages to public roads and reduce the need for flood control facilities located in the vicinity of the project area. Thus, the need to maintain and repair public facilities due to flood associated damage will be reduced. Other public facilities will not be impacted by the proposed project.

Source: Project Design

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 project would not impact or increase the use of recreational facilities, neighborhood parks or regional parks.

Source: Project Design

- 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 project does not require the construction or expansion of recreational facilities.

Source: Project Design

XV. TRANSPORTATION/TRAFFIC. Would the project:

- a) **Conflict with an adopted plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?**

Less than Significant Impact. The project would generate a minor amount of daily construction-related trips from trucks hauling soil and debris from the construction sites; trucks delivering equipment and materials to and from the construction sites; and construction workers driving to and from the construction sites. These localized increases in construction traffic would be temporary. Permanent traffic associated with the infrequent operation and maintenance of the project would occur primarily from vehicular trips by maintenance staff. However, operation and maintenance of the project would not generate a significant volume of new vehicle trips. Therefore, the project is not expected to conflict with the Riverside County Transportation Commission's (RCTC) 2010 Congestion Management Program (CMP).

Source: Project Design

- b) **Conflict with an adopted congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the appropriate congestion management agency for designated roads or highways?**

Less than Significant Impact. The proposed project is not located within a State Highway or Principal Arterial designated within the RCTC2010 CMP. Although the proposed project would generate a minor amount of daily construction-related trips during construction, and fewer maintenance-related trips, as discussed in Response XVa), these trips would not be substantial in relation to the existing traffic load, capacity of intersections, street segments and freeways within the project area. Therefore, the project is not expected to conflict with the CMP.

Source: CMP, Project Design

- c) **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 project does not change the existing design of the roads. Infrequent maintenance traffic would be compatible with the road use in its post-project condition.

Source: Project Design

- d) **Result in inadequate emergency access?**

Potentially Significant Unless Mitigation Incorporated. Although the operation and maintenance of the proposed project would not result in inadequate emergency access, the construction of the proposed project is expected to result in temporary lane closures of local roads for approximately 8 hours per day. The Traffic Control Plan (TCP) will detail and coordinate all traffic movement through the project area and will be implemented

throughout project construction. The TCP will also ensure that private property and emergency access will be maintained at all times. Methods to maintain access may include, but are not limited to: temporary bridge crossings (i.e. steel plates or structural design bridges); for all driveway entrances to be closed to vehicular access for any period exceeding 4 hours; use of construction signs, barricades and delineators; and the use of flaggers during construction. With the implementation of the TCP, combined with the short-term nature of the lane closures and the inclusion of the following mitigation measure, impacts to emergency access will be less than significant.

Trans MM-1: Emergency vehicles shall have access through the project site at all times during construction.

Source: Project Design

e) **Result in inadequate parking capacity?**

No Impact. The proposed project site will not affect any existing parking facilities. The project site is expected to provide sufficient temporary parking areas for construction workers and equipment. Temporary parking related to construction activities is typically on or adjacent to the construction site. The project will not create long-term trip generation requiring parking.

Source: Project Design

f) **Conflict with adopted policies, plans, or programs regarding public transit, bicycle, pedestrian facilities, or other alternate transportation or otherwise decrease the performance or safety of such facilities?**

Less than Significant Impact. As discussed in response XVa, potential impacts to public transit, bicycle or pedestrian facilities are considered to be less than significant.

Source: Project Design

XVI. UTILITIES AND SERVICE SYSTEMS. Would the project:

a) **Impact the following facilities requiring or resulting in the construction of new facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?**

Electricity?

No Impact. The construction of the project would not require additional electrical facilities.

Natural Gas?

No Impact. The construction of the project would not require additional natural gas facilities.

Communication System?

No Impact. The construction of the project would not require additional communication systems facilities.

Street lighting?

No Impact. The construction of the project would not require additional street lighting facilities.

Public facilities, including roads and bridges?

No Impact. The construction of the project would not require additional public facilities.

Source: Project Design

- b) **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?**

No Impact. The proposed project consists of the construction of a new storm drain facility to alleviate flooding within the project area. Additional drainage facilities will not be required as a result of the proposed project.

Source: Project Design

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

No Impact. The proposed project will not require the long-term use of water supplies. The proposed project will only require the temporary use of water during construction. Existing water supplies are expected to be adequate.

Source: Project Design

- d) **Result in determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demands in addition to the provider's existing commitments?**

No Impact. The proposed project would not generate wastewater or require wastewater treatment services. No new wastewater facilities are required as a result of the proposed project.

Source: Project Design

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

Less than Significant Impact. The proposed project may generate a limited amount of solid waste during construction. In addition, subsequent maintenance may involve occasional trash and debris removal from the facility. However, the limited amount of solid waste generated during construction and subsequent maintenance of the project would not be substantial or interfere with the capacity of nearby existing solid waste disposal facilities.

Source: Project Design

f) **Comply with federal, state, and local statutes and regulations related to solid waste?**

No Impact. Any waste disposal that is required during project construction or maintenance will be done in compliance with the appropriate statutes and regulations.

Source: Project Design

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?**

Less than Significant Impact. As indicated in this Initial Study, the project's potential impacts to the environment, wildlife species, plant or animal community and cultural resources will not occur, will be less than significant or will be mitigated below a level of significance.

b) **Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that 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)?**

Less than Significant Impact. As discussed in this document, potential adverse impacts are temporary and will cease upon construction completion. Further, due to the project's relatively small area of impact and short construction duration, potential impacts would not be cumulatively considerable.

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

Less than Significant Impact. As discussed previously in this document, the construction of the proposed project will temporarily increase noise levels to those persons who reside near the existing channel. With the incorporation of the mitigation measures described in Section XI, potential noise impacts will be less than significant. Other potential adverse impacts to human beings are not expected to occur.

INITIAL STUDY CHECKLIST REFERENCE LIST

The following documents were referred to as information sources during preparation of this document. They are available for public review at the locations abbreviated after each listing and spelled out at the end of this section. Some of these documents may also be available at the Riverside City and County Public Library, 3581 Seventh Street, Riverside CA 92502-0468, and/or branches of the library.

<u>Cited As:</u>	<u>Source:</u>
AQMP	South Coast Air Quality Management District, <i>Air Quality Management Plan 2007</i> , June 2007. (Available at: SCAQMD)
Basin Plan	The 1995 Water Quality Control Plan for the Santa Ana River Basin (Region 8), updated in February 2008. (Available at: http://www.swrcb.ca.gov/rwqcb8/water_issues/programs/basin_plan/index.shtml)
CalEEMod	The California Emissions Estimator Model (CalEEMod) 2011 model (version CalEEMod 2011.1.1). (Available at: http://www.caleemod.com/)
Caltrans	Jones & Stokes, 2004, Transportation and construction induced vibration guidance manual, June (J&S 02-039). Sacramento, CA. Prepared for California Department of Transportation, Noise, Vibration and Hazardous Waste Management Office, Sacramento, CA
CARB	California Air Resources Board, <i>Area Designation Maps / State and National</i> , 2006. (Available at: http://www.arb.ca.gov/desig/adm/adm.htm)
CDFG	Fish and Game Code (Available at: http://www.leginfo.ca.gov/cgi-bin/calawquery?codesection=fgc&codebody=&hits=20).
CMP	Riverside County Transportation Commission, <i>2010 Riverside County Congestion Management Program</i> , March 10, 2010
Conservation	California Department of Conservation, Farmland Mapping and Monitoring Program, Important Farmland Map, Western Riverside County, 2004. (ftp://ftp.consrv.ca.gov/pub/dlrp/FMMP/pdf/2006/riv06_west.pdf)
DTSC	California Department of Toxic Substances Control, Hazardous Waste and Substance Site List (Cortese List), website accessed September 27, 2005. (Available at: http://www.calepa.ca.gov/SiteCleanup/CorteseList/default.htm)
EPA	US Environmental Protection Agency (EPA), EnviroMapper, (Available at http://www.epa.gov/waters/enviromapper/)
EIC	Eastern Information Center, Cultural Resources Records Search for the Orange Street Lateral, Stage 1 Project (Project No. 3-0-00012-01), August 15, 2011.
GeoTech	Geotechnical Exploration for Orange Street Lateral, Stage 1
GIS	County of Riverside, Geographic Information System Database. (Available at: http://www3.tlma.co.riverside.ca.us/pa/rclis/index.html)
MBTA	Migratory Bird Treaty Act. (Available at: http://www.fws.gov/laws/lawsdigest/migtrea.html).
MSHCP	Western Riverside County, Multiple Species Habitat Conservation Plan, Final Version, Adopted June 17, 2003. (Available at Riverside County Planning and at: http://www.rctlma.org/mshcp/index.html)
NAHC	Native American Heritage Commission, Sacred Lands File Search and Native American Contacts list for the "Proposed Orange Street Lateral, Stage 1 Project No. 3-0-00012-01;" located in an unincorporated area of Riverside County near the City of Lake Elsinore; Riverside County, California, August 4, 2011.
NPDES	National Pollutant Discharge Elimination System compliance documentation. (Available at: http://rcflood.org/NPDES/).
NRCS	U.S. Department of Agriculture, Soil Conservation Service, Soil Survey, Western Riverside Area, California, November 1971. (Available at USDA or at: http://websoilsurvey.nrcs.usda.gov.app/)
RCIP	Riverside County Integrated Project, County of Riverside General Plan, Final Version, Adopted October 7, 2003. (Available at Riverside County Planning and at: www.rctlma.org)
Section 53091	California Government Code Section 4526. (Available at: http://www.leginfo.ca.gov/calaw.html)
Section 12220	California Government Code Section 12220. (Available at: http://www.leginfo.ca.gov/calaw.html)
Section 51104	California Government Code Section 51104. (Available at: http://www.leginfo.ca.gov/calaw.html)
SCAQMD	South Coast Air Quality Management District, CEQA Air Quality Handbook, April 1993, with November 1993 Update. (Available at SCAQMD)
SWRCB	State Water Resources Control Board, Geotracker. (Available at: http://geotracker.swrcb.ca.gov/).

Appendix 1
CalEEMod Printout

Orange Street Lateral, Stage 1
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
User Defined Commercial	0	User Defined Unit

1.2 Other Project Characteristics

Urbanization Urban Wind Speed (m/s) 2.4 Utility Company
 Climate Zone 10 Precipitation Freq (Days) 28

1.3 User Entered Comments

Project Characteristics -

Land Use - Total project area is approximately 0.28 acres.

Construction Phase - Grading Phase:

Storm drain system installation is expected to last approximately 40 working days.

Off-road Equipment - Project Construction List:

3 - Tractors/Loaders/Backhoes

2 - Other Construction Equipment

2 - Excavators

1 - Graders

2 - Paving Equipment

Grading - Approximately 133 CY of material is expected to be exported from the project site.

- Trips and VMT - 25 Worker Trips/Day
- 6 Vendor Trips/Day (Water Trucks)
- 17 Total Trips Hauling
- Worker Trip Length 10.8 Miles
- Vendor (Water Trucks) Trip Length 7.3 Miles
- Hauling Trip Length 2.5 Miles.

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

lb/day																
Year	PM10	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NRE-CO2	Total CO2	CH4	N2O	CO2e
2012	9.60	75.39	42.47	0.09	0.43	4.37	4.81	0.02	4.37	4.39	0.00	9,388.49	0.00	0.86	0.00	9,406.51
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Mitigated Construction

lb/day																
Year	PM10	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NRE-CO2	Total CO2	CH4	N2O	CO2e
2012	9.60	75.39	42.47	0.09	0.02	4.37	4.39	0.02	4.37	4.39	0.00	9,388.49	0.00	0.86	0.00	9,406.51
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.2 Overall Operational

Unmitigated Operational

Category	lbs/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bic-CO2	NBC-CO2	Total CO2	CH4	N2O	CO2e
Area	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00		0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00		0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00		0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00

Mitigated Operational

Category	lbs/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bic-CO2	NBC-CO2	Total CO2	CH4	N2O	CO2e
Area	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00		0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00		0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00		0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

3.1 Mitigation Measures Construction

3.2 Grading - 2012

Unmitigated Construction On-Site

Category	lb/day											lb/year				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	BIC CO2	NBC CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	9.37	74.12	40.10	0.09		4.33	4.33		4.33	4.33		8,951.81		0.84		8,989.50
Total	9.37	74.12	40.10	0.09	0.00	4.33	4.33	0.00	4.33	4.33		8,951.81		0.84		8,989.50

Unmitigated Construction Off-Site

Category	lb/day											lb/year				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	BIC CO2	NBC CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.01	0.05	0.03	0.00	0.05	0.00	0.05	0.00	0.00	0.00		5.71		0.00		5.71
Vendor	0.08	1.05	0.51	0.00	0.06	0.03	0.09	0.00	0.03	0.04		182.86		0.00		182.74
Worker	0.14	0.16	1.82	0.00	0.33	0.01	0.34	0.01	0.01	0.02		288.21		0.02		288.55
Total	0.23	1.26	2.36	0.00	0.44	0.04	0.48	0.01	0.04	0.06		456.57		0.02		457.00

3.2 Grading - 2012

Mitigated Construction On-Site

Category	lb/day												
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	PM2.5 Total	PM2.5 Total	CO2e
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
On-Road	9.37	74.12	40.10	0.09		4.33	4.33		4.33	4.33	4.33	4.33	8,951.81
Total	9.37	74.12	40.10	0.09	0.00	4.33	4.33	0.00	4.33	4.33	4.33	4.33	8,951.81

Mitigated Construction Off-Site

Category	lb/day												
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	PM2.5 Total	PM2.5 Total	CO2e
Hauling	0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.71
Vendor	0.06	1.05	0.51	0.00	0.00	0.03	0.04	0.00	0.03	0.04	0.04	0.04	162.65
Worker	0.14	0.16	1.92	0.00	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	268.21
Total	0.23	1.26	2.36	0.00	0.01	0.04	0.06	0.01	0.04	0.04	0.04	0.04	436.57

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	PM10				PM2.5				Total CO2	CH4	H2O	CO2e
					Exhaust	Fugitive	Total	Exhaust	Fugitive	Total	SB-CO2	NSR-CO2				
Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
User Defined Commercial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles				H.S. or C-W	H.S. or C-C	H.G. or C-NW
	H.W. or C-W	H.S. or C-G	H.O. or C-NW	Trip %			
User Defined Commercial	9.50	7.30	7.30	7.30	0.00	0.00	0.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Category	ROG	NOx	SO ₂	SO ₂	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	56-CO2	56-CO2	Total CO2	CH ₄	N ₂ O	CO ₂ e
NaturalGas Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NaturalGas Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	NaturalGas Use	ROG	NOx	CO	SO ₂	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	56-CO2	56-CO2	Total CO2	CH ₄	N ₂ O	CO ₂ e
User Defined Commercial	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.2 Energy by Land Use - Natural Gas

Mitigated

Land Use	Tons/Day																	
	Natural Gas Use	ROG	CO	NOx	SO2	Fugitive PM10	Estimated PM10	PM10 Total	Fugitive PM2.5	Estimated PM2.5	PM2.5 Total	SB-CO2	SB-CO2	Total CO2	CH4	N2O	CO2e	
User Defined Commercial	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

6.0 Area Detail

6.1 Mitigation Measures Area

Category	Tons/Day														
	ROG	CO	SO2	Fugitive PM10	Estimated PM10	PM10 Total	Fugitive PM2.5	Estimated PM2.5	PM2.5 Total	SB-CO2	SB-CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

Unmitigated

SubCategory	100%										100%					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bt-CO2	NBl-CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	0.00					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	0.00		0.00
Total	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	0.00		0.00

Mitigated

SubCategory	100%										100%					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bt-CO2	NBl-CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	0.00					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	0.00		0.00
Total	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	0.00		0.00

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Orange Street Lateral, Stage 1
 Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Units
User Defined Commercial	0	User Defined Unit

1.2 Other Project Characteristics

Urbanization	Urban:	Wind Speed (m/s)	2.4	Utility Company
Climate Zone	10	Precipitation Freq (Days)	28	

1.3 User Entered Comments

Project Characteristics -

Land Use - Total project area is approximately 0.28 acres.

Construction Phase - Grading Phase.

Storm drain system installation is expected to last approximately 40 working days.

Off-road Equipment - Project Construction List:

- 3 - Tractors/Loaders/Backhoes
- 2 - Other Construction Equipment
- 2 - Excavators
- 1 - Graders
- 2 - Paving Equipment

Grading - Approximately 133 CY of material is expected to be exported from the project site.

- Trips and VMT - 25 Worker Trips/Day
- 6 Vendor Trips/Day (Water Trucks)
- 17 Total Trips Hauling
- Worker Trip Length 10.8 Miles
- Vendor (Water Trucks) Trip Length 7.3 Miles
- Hauling Trip Length 2.5 Miles

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Year	Daily															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	Total CO2	CH4	N2O	CO2e	
2012	9.60	75.44	42.32	0.09	0.43	4.38	4.81	0.02	4.38	4.39	0.00	9,357.42	0.00	0.86	0.00	9,375.42
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Mitigated Construction

Year	Daily															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	Total CO2	CH4	N2O	CO2e	
2012	9.60	75.44	42.32	0.09	0.02	4.38	4.39	0.02	4.38	4.39	0.00	9,357.42	0.00	0.86	0.00	9,375.42
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.2 Overall Operational

Unmitigated Operational

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	NSIC CO2	Total CO2	CH4	N2O	CO2e	
Area	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Mitigated Operational

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	NSIC CO2	Total CO2	CH4	N2O	CO2e	
Area	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

3.1 Mitigation Measures Construction

3.2 Grading - 2012

Unmitigated Construction On-Site

Category	On-Site										Off-Site					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	BIC-CO2	RBIC-CO2	Total CO2	GHG	N2O	CO2e
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	9.37	74.72	40.10	0.09		4.33	4.33		4.33	4.33		8,951.91		0.84		8,969.50
Total	9.37	74.72	40.10	0.09	0.00	4.33	4.33	0.00	4.33	4.33		8,951.91		0.84		8,969.50

Unmitigated Construction Off-Site

Category	On-Site										Off-Site					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	BIC-CO2	RBIC-CO2	Total CO2	GHG	N2O	CO2e
Hauling	0.01	0.05	0.04	0.00	0.06	0.00	0.05	0.00	0.00	0.00		5.51		0.00		5.52
Vendor	0.09	1.10	0.58	0.00	0.06	0.03	0.09	0.00	0.03	0.04		161.25		0.00		161.34
Worker	0.13	0.17	1.60	0.00	0.33	0.01	0.34	0.01	0.01	0.02		238.75		0.02		239.06
Total	0.23	1.32	2.22	0.00	0.44	0.04	0.48	0.01	0.04	0.06		405.51		0.02		405.92

3.2 Grading - 2012

Mitigated Construction On-Site

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	SB-CO2	SB-CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00
On-Road	9.37	74.12	40.10	0.09		4.33	4.33		4.33	4.33	0.00	0.00	8,951.51	0.84		8,959.50
Total	9.37	74.12	40.10	0.09	0.00	4.33	4.33	0.00	4.33	4.33	0.00	0.00	8,951.51	0.84		8,959.50

Mitigated Construction Off-Site

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	SB-CO2	SB-CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.01	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00			5.51	0.00		5.52
Vendor	0.09	1.10	0.58	0.00	0.00	0.05	0.04	0.00	0.03	0.04			181.25	0.00		181.34
Worker	0.13	0.17	1.60	0.00	0.01	0.01	0.02	0.01	0.01	0.02			238.75	0.02		239.05
Total	0.23	1.32	2.22	0.00	0.01	0.04	0.06	0.01	0.04	0.06			405.51	0.02		405.52

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

Category	10/day															
	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM10	Exhaust PM2.5	Exhaust PM2.5	PM10 Total	Exhaust PM2.5	PM2.5 Total	Exhaust CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
User Defined Commercial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %
	H/W or C/W	H/S or C/G	H/G or C/NW	
User Defined Commercial	9.50	7.30	7.30	0.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	BC-CO2	NBC-CO2	TOTAL CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NaturalGas Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	BC-CO2	NBC-CO2	TOTAL CO2	CH4	N2O	CO2e
User Defined Commercial	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.2 Energy by Land Use - Natural Gas

Mitigated

Land Use	Natural Gas Uses (Btu)	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	5% CO2	15% CO2	Total CO2	CH4	N2O	CO2e
User Defined Commercial	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

6.0 Area Detail

6.1 Mitigation Measures Area

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	5% CO2	15% CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	BUS-GDP	MBs CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	0.00					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	0.00		0.00
Total	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	0.00		0.00

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	BUS-GDP	MBs CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	0.00					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	0.00		0.00
Total	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	0.00		0.00

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

**Orange Street Lateral, Stage 1
Riverside-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
User Defined Commercial	0	User Defined Unit

1.2 Other Project Characteristics

Urbanization:	Urban	Wind Speed (m/s)	2.4	Utility Company
Climate Zone	10	Precipitation Freq (Days)	28	

1.3 User Entered Comments

Project Characteristics -

Land Use - Total project area is approximately 0.28 acres.

Construction Phase - Grading Phase.

Storm drain system installation is expected to last approximately 40 working days.

Off-road Equipment - Project Construction List:

- 3 - Tractors/Loaders/Backhoes
- 2 - Other Construction Equipment
- 2 - Excavators
- 1 - Graders
- 2 - Paving Equipment

Grading - Approximately 133 CY of material is expected to be exported from the project site.

Trips and VMT - 25 Worker Trips/Day

6 Vendor Trips/Day (Water Trucks)

17 Total Trips Hauling

Worker Trip Length 10.8 Miles

Vendor (Water Trucks) Trip Length 7.3 Miles

Hauling Trip Length 2.5 Miles

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	Black CO2	Total CO2	CH4	N2O	CO2e
2012	0.19	1.51	0.85	0.00	0.01	0.09	0.10	0.00	0.09	0.09	0.00	169.92	169.92	0.02	0.00	170.24
Total	0.19	1.51	0.85	0.00	0.01	0.09	0.10	0.00	0.09	0.09	0.00	169.92	169.92	0.02	0.00	170.24

Mitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	Black CO2	Total CO2	CH4	N2O	CO2e
2012	0.19	1.51	0.85	0.00	0.00	0.09	0.09	0.00	0.09	0.09	0.00	169.92	169.92	0.02	0.00	170.24
Total	0.19	1.51	0.85	0.00	0.00	0.09	0.09	0.00	0.09	0.09	0.00	169.92	169.92	0.02	0.00	170.24

2.2 Overall Operational

Unmitigated Operational

Category	t/yr										t/yr					
	ROG	NOx	CO	SO2	PM10 FIRING	PM10 EXHAUST	PM10 Total	Engine PM2.5	Exhaust PM2.5	MSW Total	So-CO2	NSIP CO2	Total CO2	CH4	N2O	CO2e
Area	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Waste						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Mitigated Operational

Category	Category											MTW				
	ROS	NOx	CO	SO2	Exhaust PM10	Exhaust PM10 Total	Exhaust PM2.5	Exhaust PM2.5 Total	Site CO2	Site CO2 Total	CH4	N2O	CO2e			
Area	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Energy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Waste					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Water					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

3.0 Construction Detail

3.1 Mitigation Measures Construction

3.2 Grading - 2012

Unmitigated Construction On-Site

Category	ton/day											MT/yr				CO2e	
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	SO2	NO2	CO2	CH4	N2O		CO2e
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.19	1.48	0.80	0.00		0.09	0.09		0.09	0.09			162.38	0.02	0.00		162.70
Total	0.19	1.48	0.80	0.00	0.00	0.09	0.09	0.00	0.09	0.09	0.00	0.00	162.38	0.02	0.00	0.00	162.70

Unmitigated Construction Off-Site

Category	ton/day											MT/yr				CO2e	
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	SO2	NO2	CO2	CH4	N2O		CO2e
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
Vendor	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.00	2.94
Worker	0.00	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	4.50	0.00	0.00	0.00	4.50
Total	0.00	0.02	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	7.54	0.00	0.00	0.00	7.54

3.2 Grading - 2012

Mitigated Construction On-Site

Category	t/yr													MTY				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total	HC/CO2	NBC/CO2	Total CO2	CH4	N2O	CO2e		
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Off-Road	0.19	1.48	0.60	0.00		0.09	0.09	0.09		0.09		162.38	162.38	0.02	0.00	162.70		
Total	0.19	1.48	0.60	0.00	0.00	0.09	0.09	0.09	0.09	0.09	0.00	162.38	162.38	0.02	0.00	162.70		

Mitigated Construction Off-Site

Category	t/yr													MTY				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	HC/CO2	NBC/CO2	Total CO2	CH4	N2O	CO2e		
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.00	0.00	0.10		
Vendor	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.94	2.94	0.00	0.00	2.94		
Worker	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.50	4.50	0.00	0.00	4.50		
Total	0.00	0.02	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.54	7.54	0.00	0.00	7.54		

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

Category	OTSV										MTV					
	ROG	NOx	CO	SO2	PM10	PM10	PM10	PM10	PM10	PM10	PM2.5	PM2.5	Total CO2	CH4	N2O	CO2e
Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
User Defined Commercial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles				Trip %
	H/W or C/W	H/S or C/C	H/O or C/NW	H/W or C/W	
User Defined Commercial	9.50	7.30	7.30	0.00	0.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Category	lb/day										MT/yr					
	POC	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	iCO2e
Electricity Mitigated					0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity Unmitigated					0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NaturalGas Mitigated	0.00	0.00	0.00	0.00		0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NaturalGas Unmitigated	0.00	0.00	0.00	0.00		0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	lb/day										MT/yr						
	NaturalGas Use (BTU)	POC	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	iCO2e
User Defined Commercial	0	0.00	0.00	0.00	0.00		0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.00	0.00	0.00	0.00		0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.2 Energy by Land Use - Natural Gas

Mitigated

Land Use	Natural Gas Use rBTU	ROG	NOx	CO	SO2	Exhaustive PM10	Exhaustive PM10	Exhaustive PM2.5	Exhaustive PM2.5	PM2.5 Total	SO2- CO2	NOx- CO2	Total CO2	CH4	N2O	CO2e
User Defined Commercial	0	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
User Defined Commercial	0					0.00	0.00	0.00	0.00
Total						0.00	0.00	0.00	0.00

5.3 Energy by Land Use - Electricity

Mitigated

Land Use	Electricity Use (kWh)	ROG	NOx	CO	SO2	Total SO2	CH4	N2O	CO2e
User Defined Commercial	0					0.00	0.00	0.00	0.00
Total						0.00	0.00	0.00	0.00

6.0 Area Detail

6.1 Mitigation Measures Area

Category	Area										Mitigation					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	SO2	NO2	CO2e	CH4	N2O	CO2e
Mitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

Unmitigated

SubCategory	tmsy											Mty					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	BC-SO2	NBC-CO2	Total CO2	CH4	N2O	CO2e	
Architectural Coating	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Mitigated

SubCategory	tmsy											Mty					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Sub-SO2	NBC-CO2	Total CO2	CH4	N2O	CO2e	
Architectural Coating	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

7.0 Water Detail

7.1 Mitigation Measures Water

Category	t/yr									
	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e		
Mitigated					0.00	0.00	0.00	0.00		
Unmitigated					0.00	0.00	0.00	0.00		
Total	NA	NA	NA	NA	NA	NA	NA	NA		

7.2 Water by Land Use

Unmitigated

Land Use	t/yr									
	Hydrocarbon Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e	
User Defined Commercial	0/0					0.00	0.00	0.00	0.00	0.00
Total						0.00	0.00	0.00	0.00	0.00

7.2 Water by Land Use

Mitigated

Land Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
User Defined Commercial	0/0				0.00	0.00	0.00	0.00
Total					0.00	0.00	0.00	0.00

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

Category/Year	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Mitigated					0.00	0.00	0.00	0.00
Unmitigated					0.00	0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA

8.2 Waste by Land Use

Unmitigated

Land Use	Waste Disposed Tons	MT/yr								
		ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e	
User Defined Commercial	0					0.00	0.00	0.00	0.00	0.00
Total						0.00	0.00	0.00	0.00	0.00

Mitigated

Land Use	Waste Disposed Tons	MT/yr								
		ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e	
User Defined Commercial	0					0.00	0.00	0.00	0.00	0.00
Total						0.00	0.00	0.00	0.00	0.00

9.0 Vegetation

Written Comments and Replies



PECHANGA CULTURAL RESOURCES
Temecula Band of Luiseño Mission Indians

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**RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT**

January 25, 2012

Chairperson:
Germaine Arenas

Vice Chairperson:
Mary Bear Magee

Committee Members:
Evie Gerber
Darlene Miranda
Bridgett Barcello Maxwell
Aurelia Marruffo
Richard B. Scarce, III

Director:
Gary DuBois

Coordinator:
Paul Macarro

Cultural Analyst:
Anna Hoover

VIA E-MAIL and USPS

Mr. Art Diaz
Riverside County Flood and Water
Conservation District
1995 Market Street
Riverside, CA 92501

**Re: Pechanga Tribe Comments on the Initial Study and Mitigated Negative Declaration
for the Orange Street Lateral, Stage 1 Project**

Dear Mr. Diaz:

This comment letter is written on behalf of the Pechanga Band of Luiseño Indians (hereinafter, "the Tribe"), a federally recognized Indian tribe and sovereign government. The Tribe formally requests, pursuant to Public Resources Code §21092.2, to be notified and involved in the entire CEQA environmental review process for the duration of the above referenced project (the "Project").

If you have not done so already, please add the Tribe to your distribution list(s) for public notices and circulation of all documents, including environmental review documents, archeological reports, and all documents pertaining to this Project. The Tribe further requests to be directly notified of all public hearings and scheduled approvals concerning this Project. Please also incorporate these comments into the record of approval for this Project.

The Tribe submits these comments concerning the Project's potential impacts to cultural resources in conjunction with the environmental review of the Project and to assist the Riverside County Flood and Water Conservation District (RCFWCD) in preparing appropriate mitigation for the cultural resources that may be discovered during development of this Project. The Tribe is particularly concerned that subsurface cultural resources, including human remains, may be identified during trenching and other earthmoving activities. The Lake Elsinore area, a traditional cultural landscape, is very important to the Tribe and its cultural heritage. The Project area lies within a known village, *Páayaxchi*, which according to the Tribe's oral history, has been utilized since time immemorial. It is the village associated with Lake Elsinore, which holds the same name, and has been well documented in ethnohistoric accounts.

Although the Project area has been disturbed from activities associated with citrus agriculture (circa pre-1930s - 1970s), other agricultural endeavors and most recently, single family homes, the potential for cultural resources to exist below the minimal surface disturbance in this area is high. The Tribe is not opposed to this Project; however, we are opposed to any direct, indirect and cumulative impacts this Project may have to tribal cultural resources. The Tribe appreciates being included in the Project mitigation measures and for the direct communication RCFWCD has maintained with us.

**THE RIVERSIDE COUNTY FLOOD AND WATER CONSERVATION DISTRICT
MUST INCLUDE INVOLVEMENT OF AND CONSULTATION WITH THE
PECHANGA TRIBE IN ITS ENVIRONMENTAL REVIEW PROCESS**

It has been the intent of the Federal Government¹ and the State of California² that Indian tribes be consulted with regard to issues which impact cultural and spiritual resources, as well as other governmental concerns. The responsibility to consult with Indian tribes stems from the unique government-to-government relationship between the United States and Indian tribes. This arises when tribal interests are affected by the actions of governmental agencies and departments. In this case, it is undisputed that the project lies within the Pechanga Tribe's traditional territory. Therefore, in order to comply with CEQA and other applicable Federal and California law, it is imperative that the RCFWCD consult with the Tribe in order to guarantee an adequate knowledge base for an appropriate evaluation of the Project effects, as well as generating adequate mitigation measures.

For this Project, the Tribe thanks the RCFWCD for communicating and consulting directly with us regarding the scope of work planned for the Project. While we were not able to have a face to face meeting, the telephone and electronic mail communications with Mr. Jason Swenson were sufficient to be able to express our concerns regarding potential impacts to cultural resources. Additional comments and concerns regarding the mitigation measures are below.

PECHANGA CULTURAL AFFILIATION TO PROJECT AREA

The Pechanga Tribe asserts that the Project area is part of Luiseño, and therefore the Tribe's, aboriginal territory as evidenced by the existence of Luiseño place names, *tóota yixélval* (rock art, pictographs, petroglyphs), and an extensive Luiseño artifact record in the vicinity of the Project. This culturally sensitive area is affiliated with the Pechanga Band of Luiseño Indians because of the Tribe's cultural ties to this area as well as extensive history with both this Project and other projects within the area.

¹See e.g., Executive Memorandum of April 29, 1994 on Government-to-Government Relations with Native American Tribal Governments, Executive Order of November 6, 2000 on Consultation and Coordination with Indian Tribal Governments, Executive Memorandum of September 23, 2004 on Government-to-Government Relationships with Tribal Governments, and Executive Memorandum of November 5, 2009 on Tribal Consultation.

² See California Public Resource Code §5097.9 et seq.; California Government Code §§65351, 65352.3 and 65352.4

The Pechanga Tribe's knowledge of our ancestral boundaries is based on reliable information passed down to us from our elders; published academic works in the areas of anthropology, history and ethno-history; and through recorded ethnographic and linguistic accounts. Of the many anthropologists and historians who have presented boundaries of the Luiseño traditional territory, none have excluded the Lake Elsinore area from their descriptions (Sparkman 1908; Kroeber 1925; White 1963; Harvey 1974; Oxendine 1983; Smith and Freers 1994), and such territory descriptions correspond almost identically with what was communicated to the Pechanga people by our elders. While historic accounts, anthropological and linguistic theories are important in determining traditional Luiseño territory; the Pechanga Tribe asserts that the most critical sources of information used to define our traditional territories are our songs, creation accounts, and oral traditions.

There is a connection between Temecula and Lake Elsinore area that stems from the beginning of time for Pechanga people. Luiseño history originates with the creation of all things at '*éxva Teméeku*, in the present day City of Temecula, and dispersing out to all corners of creation (what is today known as Luiseño territory). It was at Temecula that the Luiseño deity *Wuyóot* lived and taught the people, and here that he became sick, finally expiring at Lake Elsinore. Many of our songs relate the tale of the people taking the dying *Wuyóot* to the many hot springs at Elsinore, where he died (DuBois 1908). He was cremated at '*éxva Teméeku*. It is the Luiseño creation account that connects Elsinore to Temecula, and thus to the Temecula people who were evicted and moved to the Pechanga Reservation, and now known as the Pechanga Band of Luiseño Mission Indians (the Pechanga Tribe). From Elsinore, the people spread out, establishing villages and marking their territories. The first people also became the mountains, plants, animals and heavenly bodies.

The area known as Lake Elsinore is also the location for noteworthy events in Luiseño culture which are related specifically to the people of Temecula or the Pechanga people. For example, it is the place where two of the *Káamalam* (first people), *Qáwqaw* and *Chixéemal*, had their first menses, which is the subject of one of the girls' coming-of-age songs (DuBois 1908). Another song recounts the travels of the people to Elsinore after a great flood (DuBois 1908). From here, they again spread out to the north, south, east and west.

Three songs, called *Monívol*, are songs of the places and landmarks that were destinations of the Luiseño ancestors, several of which are located near the Project area. They describe the exact route of the Temecula (Pechanga) people and the landmarks made by each to claim title to places in their migrations (DuBois 1908:110). Further, the story of *Táakwish* and *Tukupar* includes place names for events from the Idyllwild area to the Glen Ivy/Corona area (Kroeber 1906). In addition, Pechanga elders state that the Temecula/Pechanga people had usage/gathering rights to an area extending from Rawson Canyon on the east, over to Lake Mathews on the northwest, down Temescal Canyon to Temecula, eastward to Aguanga, and then along the crest of the Cahuilla range back to Rawson Canyon. The Native American Heritage Commission (NAHC) Most Likely Descendent (MLD) files substantiate this habitation and migration record from oral tradition. These examples illustrate a direct correlation between the

oral tradition and the physical place; proving the importance of songs and stories as a valid source of information outside of the published anthropological data.

Tóota yixélval (rock art) is also an important element in the determination of Luiseño territorial boundaries. *Tóota yixélval* can consist of petroglyphs (incised) elements, or pictographs (painted) elements. The science of archaeology tells us that places can be described through these elements. Riverside and Northern San Diego Counties are home to red-pigmented pictograph panels. Archaeologists have adopted the name for these pictograph-versions, as defined by Ken Hedges of the Museum of Man, as the San Luis Rey style. The San Luis Rey style incorporates elements which include chevrons, zig-zags, dot patterns, sunbursts, handprints, net/chain, anthropomorphic (human-like) and zoomorphic (animal-like) designs. Tribal historians and photographs inform us that some design elements are reminiscent of Luiseño ground paintings. A few of these design elements, particularly the flower motifs, the net/chain and zig-zags, were sometimes depicted in Luiseño basket designs and can be observed in remaining baskets and textiles today.

An additional type of *tóota yixélval*, identified by archaeologists also as rock art or petroglyphs, are cupules. Throughout Luiseño territory, there are certain types of large boulders, taking the shape of mushrooms or waves, which contain numerous small pecked and ground indentations, or cupules. Many of these cupule boulders have been identified within a few miles of the Project. Additionally, according to historian Constance DuBois:

When the people scattered from Ekvo Temeko, Temecula, they were very powerful. When they got to a place, they would sing a song to make water come there, and would call that place theirs; or they would scoop out a hollow in a rock with their hands to have that for their mark as a claim upon the land. The different parties of people had their own marks. For instance, Albañas's ancestors had theirs, and Lucario's people had theirs, and their own songs of Munival to tell how they traveled from Temecula, of the spots where they stopped and about the different places they claimed (1908:158).

Multiple Luiseño named places exist within the Lake Elsinore region including *'iténgvu Wumówmu*, *Páayaxchi*, *Páayaxchi Nivé'wuna*, *Pii'iv*, *Qawiimay*, and *We'éeva*. Our songs and stories, as well as academic works, demonstrate that the Luiseño people who occupied what we know today as Temecula, Lake Elsinore and the areas in between are ancestors of the present-day Pechanga Band of Luiseño Indians, and as such, Pechanga is the appropriate culturally affiliated tribe for projects that impact this geographic area.

Lastly, the Pechanga Tribe has a long modern day history of involvement with Projects in the Lake Elsinore area. Not only has the Pechanga Tribe been involved, but it has been given the designation of the consulting tribe or affiliated tribe on projects located in the City of Lake Elsinore and its sphere of influence, such as Cottonwood Hills, Liberty Serenity, North Peak, Temescal Canyon, Lakeview Villas, County Sheriff's Station, Spy Glass Ranch, Meadowbrook,

Oak Springs, Canyon Hills and Glen Ivy. Moreover, the Pechanga Tribe has been the only Tribe to, and NAHC records confirm, assume the role of MLD in the Lake Elsinore area.

The Tribe welcomes the opportunity to meet with the RCFWCD to further explain and provide documentation concerning our specific cultural affiliation to lands within your jurisdiction.

PROJECT IMPACTS TO CULTURAL RESOURCES AND MITIGATION

The proposed Project is located in a highly sensitive traditional cultural landscape in Luiseño territory and the Tribe believes that there is a high possibility that subsurface cultural resources will be discovered during trenching and earthmoving activities. The Tribe has over thirty-five (35) years of experience in working with various types of construction projects throughout its territory. The combination of this knowledge and experience, along with the knowledge of the culturally-sensitive areas and oral tradition, is what the Tribe relies on to make fairly accurate predictions regarding the likelihood of subsurface resources in a particular location.

The Tribe is not opposed to this Project generally; however, we are opposed to any direct, indirect and cumulative impacts this Project may have to tribal cultural resources. The Tribe's primary concerns stem from the Project's location within this culturally sensitive landscape and the village footprint of *Páayaxchi* as well as any potential impacts to Native American cultural resources that could occur as a result of earthmoving activities. The Tribe is concerned about both the protection of unique and irreplaceable cultural resources, such as Luiseño village sites, sacred sites and archaeological items which would be displaced by the proposed ground disturbing work on the Project, and on the proper and lawful treatment of cultural items, Native American human remains and sacred items that are likely to be discovered in the course of the work.

As stated previously, the proposed Project is located within the footprint of the village *Páayaxchi*. Because this area plays a prominent role in the Tribe's creation and origin stories, and has continued to be important in maintaining their cultural heritage, it is considered to be a traditional cultural landscape. Archaeological records support the Tribe's oral traditions with well over 45+ individually recorded sites in the Lake Elsinore area, including site CA-RIV-1310 located to the north of the Project. Furthermore, the Machado adobe is located just to the north of the Project. The Tribe has ethnographic records stating that there were Luiseño living in this area with the Machado Family. Therefore, the Tribe's oral traditions, the archaeological record and the historic and ethnohistoric documents available prove that this is a sensitive area and the potential for subsurface cultural resources is high.

The Tribe agrees generally with the proposed mitigation measures for cultural resources presented in the December 2011 Initial Study for the Mitigated Negative Declaration for this Project. However, the measures are minimal and we have concerns regarding the protection,

preservation and ultimate disposition of any identified resources. Our revisions are presented below (underlines are additions and strikeouts are deletions).

CULT MM-1: An approved Riverside County qualified Archeological Monitor shall be present during all project related ground disturbance within soils other than bedrock. If cultural resources are discovered during project construction, all work in the area of the find shall cease, and a qualified archaeologist shall investigate the find in consultation with Tribal monitor and shall be subject to evaluation pursuant to CULT MM-3. ~~If any discovered archaeological or historical resources merit long term consideration, adequate funding will be provided to collect, curate and report these resources in accordance with standard archaeological management requirements.~~ In the event cultural resources are disturbed, RCFWCD shall relinquish ownership of all cultural resources, including sacred items, burial goods and all archaeological artifacts that are found on the project area to the Pechanga Tribe for proper treatment and disposition. Cultural resources shall not be curated by RCFWCD unless with the consent of the Pechanga Tribe.

CULT MM-2: Tribal monitor(s) from the Pechanga Tribe shall be allowed to monitor ~~storm drain excavation and backfill activities~~ all project related ground disturbing activities within soils other than bedrock, including all archaeological surveys, testing and studies. At least 30 days prior to beginning project construction, the RCFWCD shall contact the Pechanga Tribe to notify the Tribe of grading, excavation and the monitoring program, and to develop a Cultural Resources Treatment and Monitoring Agreement. The Agreement shall address the treatment of known cultural resources, the designation, responsibilities, and participation of professional Native American Tribal monitors during grading, excavation and ground disturbing activities; project grading and development scheduling; terms of compensation for the monitors; and treatment and final disposition of any cultural resources, sacred sites, and human remains discovered on the site.

The Pechanga Tribe believes that if human remains are discovered, State law will apply. According to the California Public Resources Code, § 5097.98, if Native American human remains are discovered, the Native American Heritage Commission must name a "most likely descendant," who shall be consulted as to the appropriate disposition of the remains. Given the Project's location in Pechanga territory and that Pechanga has consistently been designated MLD in the Lake Elsinore area for over 40 years, the Pechanga Tribe intends to assert its right pursuant to California law with regard to any remains or grave good items discovered in the course of this Project.

CULT EC-2: Per State Health and Safety Code Section 7050.5, if human remains are encountered during construction, no further disturbance shall occur until the Riverside County Coroner has made a determination of their origin and disposition pursuant to Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98. The Riverside County Coroner must be notified within 24 hours of the discovery. If the County Coroner determines that the remains are ~~not historic, but prehistoric~~ and of Native American descent, the Native American Heritage Commission (NAHC) must be contacted within 24 hours to determine the most likely descendent for this area. Once the most likely descendent is determined treatment of the Native American human remains will proceed pursuant to Public Resources 5097.98. ~~The NAHC may become involved with decisions concerning the disposition of the remains.~~

The CEQA Guidelines state that lead agencies should make provisions for inadvertent discoveries of cultural resources (CEQA Guidelines §15064.5). The Tribe believes that adequate cultural resources assessments and management must always include a component which addresses inadvertent discoveries. Every major State and Federal law dealing with cultural resources includes provisions addressing inadvertent discoveries (See e.g.: CEQA (Cal. Pub. Resources Code §21083.2(i); 14 CCR §1506a.5(f)); Section 106 (36 CFR §800.13); NAGPRA (43 CFR §10.4). Moreover, most state and federal agencies have guidelines or provisions for addressing inadvertent discoveries (See e.g.: FHWA, Section 4(f) Regulations - 771.135(g); CALTRANS, Standard Environmental Reference - 5- 10.2 and 5-10.3). Because of the extensive presence of the Tribe's ancestors within the Project area, it is not unreasonable to expect to find vestiges of that presence. Such cultural resources and artifacts are significant to the Tribe as they are reminders of their ancestors. Moreover, the Tribe is expected to protect and assure that all cultural sites of its ancestors are appropriately treated in a respectful manner. Therefore, as noted previously, it is crucial to adequately address the potential for inadvertent discoveries.

CULT MM-3 If inadvertent discoveries of subsurface archaeological/cultural resources are discovered during grading, RCFWCD, the project archaeologist, and the Tribe shall assess the significance of such resources and shall meet and confer regarding the mitigation for such resources. Pursuant to Calif. Pub. Res. Code § 21083.2(b) avoidance is the preferred method of preservation for archaeological resources. If RCFWCD, the project archaeologist and the Tribe cannot agree on the significance or the mitigation for such resources, these issues will be presented to the head of the Planning Division. The Planning Division head shall make the determination based on the provisions of the California Environmental Quality Act with respect to archaeological resources and shall take into account the religious beliefs, customs, and practices of the Tribe. Notwithstanding any other rights available under the law, the decision of the Planning Division head shall be

appealable to the General Manager-Chief Engineer and/or the Riverside County Board of Supervisors.

The Tribe reserves the right to fully participate in the environmental review process, as well as to provide further comment on the Project's impacts to cultural resources and potential mitigation for such impacts. Further, the Tribe reserves the right to participate in the regulatory process and provide comment on issues pertaining to the regulatory process and Project approval.

The Pechanga Tribe looks forward to working together with the Riverside County Flood and Water Conservation District in protecting the invaluable Pechanga cultural resources found in the Project area. Please contact me at 951-770-8104 or at ahoover@pechanga-nsn.gov once you have had a chance to review these comments so that we might address the issues concerning the mitigation language. Thank you.

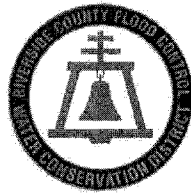
Sincerely,



Anna Hoover
Cultural Analyst

Cc Pechanga Office of the General Counsel

WARREN D. WILLIAMS
General Manager-Chief Engineer



1995 MARKET STREET
RIVERSIDE, CA 92501
951.955.1200
FAX 951.788.9965
www.rcflood.org

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

March 6, 2012

Ms. Anna Hoover
Cultural Analyst
Pechanga Band of Luiseno Mission Indians
Post Office Box 2183
Temecula, CA 92593

Dear Ms. Hoover:

Re: Orange Street Lateral, Stage 1
Project No. 3-0-00012-01

Thank you for your January 25, 2012 letter commenting on the Orange Street Lateral, Stage 1 project. In response to the Pechanga Band of Luiseno Mission Indians' (Pechanga Tribe) comments, and subsequent meetings/coordination with the Pechanga Tribe, the District will revise the Cultural Resources mitigation in the initial study to the following:

CULT MM-1: A District approved archaeological monitor shall be present during all project related ground disturbance within soils other than bedrock. If cultural resources are discovered during project construction, all work in the area of the find shall cease, and a qualified archaeologist shall investigate the find in consultation with Tribal monitor. If any discovered archaeological or historical resources merit long-term consideration, adequate funding will be provided to collect, curate and report these resources in accordance with standard archaeological management requirements and/or the Cultural Resources Treatment Agreement described in CULT MM-2.

CULT MM-2: The District shall enter into a Cultural Resources Treatment Agreement with the Pechanga Tribe. This agreement shall address the treatment and disposition of cultural resources and human remains that may be uncovered during construction of the project, as well as provisions for Tribal monitors.

CULT EC-2: Per State Health and Safety Code Section 7050.5, if human remains are encountered during construction, no further disturbance shall occur until the Riverside County Coroner has made a determination of their origin pursuant to Health and Safety Code 7050.5 and Public Resources Code Section 5097.98. The Riverside County Coroner must be notified within 24 hours of the discovery. If the County Coroner determines that the remains are of Native American descent, the Native American Heritage Commission (NAHC) must be contacted within 24 hours to determine the most likely descendent for this area. Once the most likely descendent is determined treatment of the Native American human remains will proceed pursuant to Public Resources 5097.98.

Ms. Anna Hoover
Re: Orange Street Lateral, Stage 1
Project No. 3-0-00012-01

-2-

March 6, 2012

We look forward to working with you on the Cultural Resources Treatment Agreement and during the project construction process. The proposed project is tentatively scheduled to be approved by the District's Board on April 10, 2012. Should you have any further questions, please call Jason Swenson at 951.955.8082 or me at 951.955.1233.

Very truly yours,



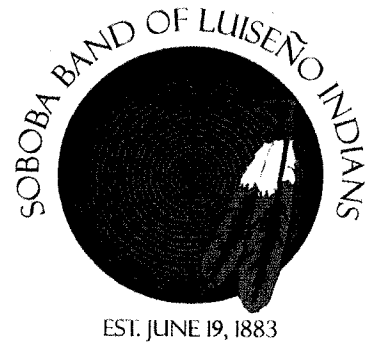
ARTURO DIAZ
Senior Civil Engineer

cc: Stuart McKibbin
Bob Cullen

JDS:mcv
P8\145150

January 23, 2012

Attn: Arturo Diaz, Senior Civil Engineer
Riverside County Flood Control and Water Conservation District
1995 Market Street
Riverside, CA 92501



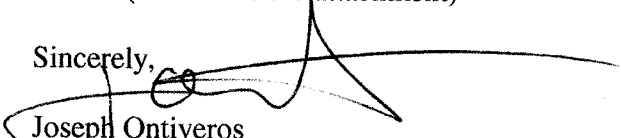
**Re: Orange Street Lateral, Stage 1,
Project No. 3-0-00012-01**

The Soboba Band of Luiseño Indians appreciates your observance of Tribal Cultural Resources and their preservation in your project. The information provided to us on said project has been assessed through our Cultural Resource Department, where it was concluded that although it is outside the existing reservation, the project area does fall within the bounds of our Tribal Traditional Use Areas. This project location is in close proximity to known village sites and is a shared use area that was used in ongoing trade between the Luiseño and Cahuilla tribes. Therefore it is regarded as highly sensitive to the people of Soboba.

Soboba Band of Luiseño Indians is requesting the following:

1. To initiate a consultation with the Project Developer and Land owner.
2. The transfer of information to the Soboba Band of Luiseno Indians regarding the progress of this project should be done as soon as new developments occur.
3. Soboba Band of Luiseño Indians continues to act as a consulting tribal entity for this project.
4. Working in and around traditional use areas intensifies the possibility of encountering cultural resources during the construction/excavation phase. For this reason the Soboba Band of Luiseño Indians requests that Native American Monitor(s) from the Soboba Band of Luiseño Indians Cultural Resource Department to be present during any ground disturbing proceedings. Including surveys and archaeological testing.
5. Request that proper procedures be taken and requests of the tribe be honored (Please see the attachment)

Sincerely,


Joseph Ontiveros
Soboba Cultural Resource Department
P.O. Box 487
San Jacinto, CA 92581
Phone (951) 654-5544 ext. 4137
Cell (951) 663-5279
jontiveros@soboba-nsn.gov

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**RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT**

Cultural Items (Artifacts). Ceremonial items and items of cultural patrimony reflect traditional religious beliefs and practices of the Soboba Band. The Developer should agree to return all Native American ceremonial items and items of cultural patrimony that may be found on the project site to the Soboba Band for appropriate treatment. In addition, the Soboba Band requests the return of all other cultural items (artifacts) that are recovered during the course of archaeological investigations. When appropriate and agreed upon in advance, the Developer's archeologist may conduct analyses of certain artifact classes if required by CEQA, Section 106 of NHPA, the mitigation measures or conditions of approval for the Project. This may include but is not limited or restricted to include shell, bone, ceramic, stone or other artifacts.

The Developer should waive any and all claims to ownership of Native American ceremonial and cultural artifacts that may be found on the Project site. Upon completion of authorized and mandatory archeological analysis, the Developer should return said artifacts to the Soboba Band within a reasonable time period agreed to by the Parties and not to exceed (30) days from the initial recovery of the items.

Treatment and Disposition of Remains.

A. The Soboba Band shall be allowed, under California Public Resources Code § 5097.98 (a), to (1) inspect the site of the discovery and (2) make determinations as to how the human remains and grave goods shall be treated and disposed of with appropriate dignity.

B. The Soboba Band, as MLD, shall complete its inspection within twenty-four (24) hours of receiving notification from either the Developer or the NAHC, as required by California Public Resources Code § 5097.98 (a). The Parties agree to discuss in good faith what constitutes "appropriate dignity" as that term is used in the applicable statutes.

C. Reburial of human remains shall be accomplished in compliance with the California Public Resources Code § 5097.98 (a) and (b). The Soboba Band, as the MLD in consultation with the Developer, shall make the final discretionary determination regarding the appropriate disposition and treatment of human remains.

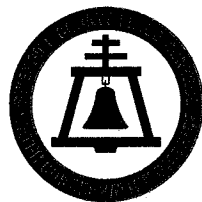
D. All parties are aware that the Soboba Band may wish to rebury the human remains and associated ceremonial and cultural items (artifacts) on or near, the site of their discovery, in an area that shall not be subject to future subsurface disturbances. The Developer should accommodate on-site reburial in a location mutually agreed upon by the Parties.

E. The term "human remains" encompasses more than human bones because the Soboba Band's traditions periodically necessitated the ceremonial burning of human remains. Grave goods are those artifacts associated with any human remains. These items, and other funerary remnants and their ashes are to be treated in the same manner as human bone fragments or bones that remain intact.

Coordination with County Coroner's Office. The Lead Agencies and the Developer should immediately contact both the Coroner and the Soboba Band in the event that any human remains are discovered during implementation of the Project. If the Coroner recognizes the human remains to be those of a Native American, or has reason to believe that they are those of a Native American, the Coroner shall ensure that notification is provided to the NAHC within twenty-four (24) hours of the determination, as required by California Health and Safety Code § 7050.5 (c).

Non-Disclosure of Location Reburials. It is understood by all parties that unless otherwise required by law, the site of any reburial of Native American human remains or cultural artifacts shall not be disclosed and shall not be governed by public disclosure requirements of the California Public Records Act. The Coroner, parties, and Lead Agencies, will be asked to withhold public disclosure information related to such reburial, pursuant to the specific exemption set forth in California Government Code § 6254 (r).

Ceremonial items and items of cultural patrimony reflect traditional religious beliefs and practices of the Soboba Band. The Developer agrees to return all Native American ceremonial items and items of cultural patrimony that may be found on the project site to the Soboba Band for appropriate treatment. In addition, the Soboba Band requests the return of all other cultural items (artifacts) that are recovered during the course of archaeological investigations. Where appropriate and agreed upon in advance, Developer's archeologist may conduct analyses of certain artifact classes if required by CEQA, Section 106 of NHPA, the mitigation measures or conditions of approval for the Project. This may include but is not limited or restricted to include shell, bone, ceramic, stone or other artifacts.



RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

March 22, 2012

Mr. Joseph Ontiveros, Cultural Resources Director
Soboba Band of Luiseno Indians
Post Office Box 487
San Jacinto, CA 92581

Dear Mr. Ontiveros:

Re: Orange Street Lateral, Stage 1
Project No. 3-0-00012-01

Thank you for your January 23, 2012 letter commenting on the Orange Street Lateral, Stage 1 project. We concur with the Soboba Band of Luiseno Indians (Soboba Tribe) that the proposed project area falls within traditional use territory and has high sensitivity to the Luiseno tribes.

The District has been coordinating the proposed project with the Pechanga Band of Luiseno Indians (Pechanga Tribe) since October 2011. Considering the tribes' cultural affiliation with the area the District has decided to continue working with the Pechanga Tribe as consulting tribal entity for this project. In response to the Soboba and Pechanga Tribes' comments, the District has revised the Cultural Resources mitigation in the initial study to the following:

CULT MM-1: *A District approved archaeological monitor shall be present during all project related ground disturbance within soils other than bedrock. If cultural resources are discovered during project construction, all work in the area of the find shall cease, and a qualified archaeologist shall investigate the find in consultation with Tribal monitor. If any discovered archaeological or historical resources merit long-term consideration, adequate funding will be provided to collect, curate and report these resources in accordance with standard archaeological management requirements and/or the Cultural Resources Treatment Agreement described in CULT MM-2.*

CULT MM-2: *The District shall enter into a Cultural Resources Treatment Agreement with the Pechanga Tribe. This agreement shall address the treatment and disposition of cultural resources and human remains that may be uncovered during construction of the project, as well as provisions for Tribal monitors.*

CULT EC-2: *Per State Health and Safety Code Section 7050.5, if human remains are encountered during construction, no further disturbance shall occur until the Riverside County Coroner has made a determination of their origin pursuant to Health and Safety Code 7050.5 and Public Resources Code Section 5097.98. The Riverside County Coroner must be notified within 24 hours of the discovery. If the County Coroner determines that the remains are of Native American descent, the Native American Heritage Commission (NAHC) must be contacted within 24 hours to determine the most likely descendent for this area. Once the most likely descendent is determined treatment of the Native American human remains will proceed pursuant to Public Resources 5097.98.*

Mr. Joseph Ontiveros
Re: Orange Street Lateral, Stage 1
Project No. 3-0-00012-01

-2-

March 22, 2012

We appreciate the Soboba Tribes' interest and input in the project. The District will continue to notify the Soboba Tribe of all public hearings and scheduled approvals concerning the project. The proposed project is tentatively scheduled to be approved by the District's Board on April 10, 2012. Should you have any further questions, please call Jason Swenson at 951.955.8082 or me at 951.955.1233.

Very truly yours,



ARTURO DIAZ
Senior Civil Engineer

cc: Stuart McKibbin
Bob Cullen

JDS:AD:mcv
P8\145634