

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

104B



FROM: General Manager-Chief Engineer

SUBMITTAL DATE:
December 6, 2011

SUBJECT: Public Hearing for Norco MDP Lateral N-1D and Norco - Spirit Knoll Court Storm Drain Project Nos. 2-0-00083 and 2-0-00084

RECOMMENDED MOTION:

1. Adopt Resolution No. F2011-23 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:

| | |
|----------------------------------|--------------------------|
| 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

FORM APPROVED COUNTY COUNSEL
BY:
MICHELLE CLACK
DATE: 12/13/11

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

Prev. Agn. Ref.: 11.2 of 10/25/11 **District:** 2nd **Agenda Number:**

11.4

ATTACHMENTS FILED WITH THE CLERK OF THE BOARD

BOARD OF SUPERVISORS

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

RESOLUTION NO. F2011-23
APPROVING NORCO MDP LATERAL N-1D
AND NORCO - SPIRIT KNOLL COURT STORM DRAIN PROJECT

WHEREAS, on October 25, 2011, the Board adopted Resolution No. F2011-22 pursuant to Section 18 of the District Act giving notice of its intention to construct a project in Zone 2, within the city of Norco of Riverside County, designated as Norco MDP Lateral N-1D and Norco - Spirit Knoll Court Storm Drain Project ("Project") and giving further notice that the Project would be considered at a public hearing on December 6, 2011; 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 December 6, 2011 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).

FORM APPROVED COUNTY COUNSEL
BY:  DATE: 12/13/11
MICHELLE CLACK

1
2 2. The Project is consistent with the Riparian/Riverine Area and Vernal Pool
3 requirements of the MSHCP. Pursuant to Section 6.1.2 of the MSHCP, Riparian/Riverine areas
4 are lands which contain habitat dominated by trees, shrubs, persistent emergents, or emergent
5 mosses and lichens, which occur close to or which depend upon soil moisture from a nearby
6 fresh water source, or areas with freshwater flow during all or a portion of the year. Vernal
7 Pools are seasonal wetlands that occur in depression areas that have wetlands indicators of all
8 three parameters (soils, vegetation, and hydrology) during the wetter portion of the growing
9 season. It has been determined that the Project area does not contain any vernal pools, nor does
10 it include Riparian/Riverine Areas as defined by the MSHCP. In addition, the proposed storm
11 drain alignment does not contain suitable habitat for least Bell's vireo, Southwestern Willow
12 Flycatcher or Western Yellow-Billed Cuckoo. Therefore, no further surveys or conservation
13 measures are required.
14

15 3. The Project is consistent with the Narrow Endemic Plant Species requirements of
16 the MSHCP. Pursuant to Section 6.1.3 of the MSHCP, habitat assessments and/or focused
17 surveys for certain narrow endemic plant species are required for properties within mapped
18 survey areas. The survey area maps have been reviewed and the Project is not within a mapped
19 survey area for Narrow Endemic Plant Species. Therefore, no further surveys or conservation
20 measures are required.
21

22 4. The Project is consistent with the Urban-Wildlands Interface requirements of the
23 MSHCP. Section 6.1.4 of the MSHCP presents guidelines to minimize indirect effects of a
24 project in proximity to the MSHCP Conservation Area. This section provides mitigation
25 measures for impacts associated with: Drainage, Toxics, Lighting, Noise, Invasives, Barriers,
26 and Grading/Land Development. The Project has been reviewed and it has been determined the
27 Project does not occur within or adjacent to the Criteria Area or MSHCP-designated
28

1 Public/Quasi-Public conservation lands. Therefore, no further analysis or implementation of any
2 conservation measures is required.

3
4 5. The Project is consistent with the Database Updates/Additional Surveys
5 requirements of the MSHCP. Pursuant to Section 6.3.2 of the MSHCP, habitat assessments
6 and/or focused surveys for certain additional plant and animal species are required for properties
7 within mapped survey areas. The survey area maps have been reviewed and the Project is not
8 within a mapped survey area. Therefore, no further surveys or conservation measures are
9 required.

10
11 6. The Project is consistent with the Public/Quasi-Public Land provisions contained
12 in Section 3.2.1 of the MSHCP. Section 3.2.1 describes lands within the MSHCP conservation
13 area including those designated as Public/Quasi-Public (PQP) lands. Section 3.2.1 states that if a
14 Permittee elects to use property currently depicted as PQP Lands in a way that alters the land use
15 such that it would not contribute to Reserve Assembly, the Permittee shall locate and acquire or
16 otherwise encumber replacement acreage at a minimum ratio of 1:1. The Permittee must make
17 findings that the replacement acreage is biologically equivalent or superior to the existing
18 property. The Project has been reviewed and it has been determined the Project does not occur
19 within MSHCP-designated PQP conservation lands. Therefore, no further analysis is required.

20
21 7. The Project will not have a significant adverse effect upon the environment and a
22 Mitigated Negative Declaration is adopted based on the findings incorporated in the initial study.

23
24 8. The Project is approved and the District is hereby authorized to proceed with the
25 Project.

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

CERTIFICATE OF POSTING

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

I, Kathy Pope - Permit Tech, do hereby certify that I am not
(NAME AND TITLE)
a party to the within action or proceeding; that on 11/2/11, I posted a
(DATE)
copy of the following document:

RESOLUTION NO. F2011-22

SETTING A PUBLIC HEARING DATE FOR NORCO MDP LATERAL N-1D AND NORCO-SPIRIT KNOLL COURT STORM DRAIN 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 city of Norco, 2870 Clark Avenue, Norco, California 92860

Board Agenda Date: December 6, 2011 @ 1:30 p.m.

Signature: Kathy Pope

Date: 11/2/11

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

September 13, 2011

FILED
RIVERSIDE COUNTY

SEP 23 2011

LARRY W. WARD, CLERK

By: *[Signature]* M. Meyer
Deputy

Riverside County Clerk
2720 Gateway Drive
Riverside, CA 92502-0751

Attention: Cindy Kohler

Dear Agency Representative/Interested Individual:

Re: Norco MDP Lateral N-1D and
Norco - Spirit Knoll Court Storm Drain
Notice of Intent to Adopt a
Mitigated Negative Declaration

In accordance with the California Environmental Quality Act (CEQA), enclosed is an electronic copy of a draft Initial Study and Mitigated Negative Declaration (IS/MND) on a compact disk (CD) prepared by the Riverside County Flood Control and Water Conservation District (Lead Agency) for the proposed Norco MDP Lateral N-1D and Norco - Spirit Knoll Court Storm Drain project. The IS/MND may also be accessed on the Riverside County Flood Control and Water Conservation District (District) website at:

<http://rcflood.org/Documents/PublicNotices/Norco Lateral N-1D and Spirit Knoll SD-MND-IS.pdf>

<http://rcflood.org/Documents/PublicNotices/Norco Lateral N-1D and Spirit Knoll SD-NOI.pdf>

The proposed project is the construction, operation, and maintenance, of an underground storm drain located within the city of Norco, Riverside County. The alignment for this project is generally bounded to the north by 7th Street, to the south by 6th Street, to the west by Corona Avenue, and to the east by Center Drive. The proposed project is located within Township 3 South, Range 6 West, Sections 5 and 6 of the Corona North, California 7.5 Minute USGS Quadrangle.

The Draft Mitigated Negative Declaration includes mitigation measures addressing potential impacts to air quality, cultural resources, hazardous materials, noise, and traffic. Significant environmental impacts were not identified and the District intends to adopt a Mitigated Negative Declaration per the requirements of CEQA. The 20-day public review period begins on September 20, 2011. **Any comments regarding the proposed project or the IS/MND must be submitted to the District by October 11, 2011.** Questions regarding this matter may be directed to Andy Leung at 951.955.8582 or email acleung@rcflood.org or Kris Flanigan at 951.955.8581 or email kflaniga@rcflood.org.

Any written responses should make reference to Norco MDP Lateral N-1D and Norco - Spirit Knoll Court Storm Drain project.

Please submit any written comments to:

Riverside County Flood Control
and Water Conservation District
1995 Market Street
Riverside, CA 92501
Attn: Environmental Regulatory Services II

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

SEP 23 2011

Removed
By: *[Signature]*
County of Riverside, State of California

Enclosure

P8\140759

OCT 31 2011

1 LARRY W. MEYER, CLERK
2 BOARD OF SUPERVISORS

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

M. Meyer
Deputy

3
4 **RESOLUTION NO. F2011-22**
5 **SETTING A PUBLIC HEARING DATE FOR**
6 **NORCO MDP LATERAL N-1D AND**
7 **NORCO - SPIRIT KNOLL COURT STORM DRAIN PROJECT**
8 **AND GIVING NOTICE OF INTENT TO ADOPT A**
9 **MITIGATED NEGATIVE DECLARATION THEREFOR**
10 **IN ACCORDANCE WITH SECTION 18 OF THE DISTRICT ACT**
11 **AND THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)**

12 WHEREAS, this Board intends to undertake a project within the city of Norco of
13 Riverside County, designated as Norco MDP Lateral N-1D and Norco - Spirit Knoll Court Storm
14 Drain Project; and

15 WHEREAS, the proposed project is located in Temescal Avenue between 6th Street, 7th
16 Street, Rose Court, and Spirit Knoll Court; and

17 WHEREAS, the proposed project consists of the construction and subsequent operation
18 and maintenance of approximately 2,110 lineal feet of drainage facilities to alleviate flooding in
19 the city of Norco; and

20 WHEREAS, reference is made to the engineering estimate of the cost of the proposed
21 project, entitled "Engineer's Statement" on file with the Clerk of the Board; and

22 WHEREAS, reference is made to a map dated February 2011, bearing the name and
23 showing the general location and typical section of the proposed project which is also on file
24 with the Clerk of the Board; and

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

FORM APPROVED COUNTY COUNSEL
BY: MICHELLE CLACK
DATE: 10/31/11

RIVERSIDE COUNTY
Mitigated Negative Declaration/Nic Determination
Filed per P.R.C. 21152
POSTED

OCT 31 2011

Removed: _____
-1-
By: _____ 10.25.11 11.2
County of Riverside, State of California

1 WHEREAS, any person wishing to comment on the proposed project or the Mitigated
2 Negative Declaration may do so in writing between the date of this notice and the public hearing,
3 or may appear and be heard at the time and place noted below; and
4

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

8 WHEREAS, prior to making a decision on the proposed project or the Mitigated
9 Negative Declaration, this Board will consider all written and oral comments; and

10 WHEREAS, the above-listed documents can be inspected at the District office, 1995
11 Market Street, Riverside, California 92501 and written comments will be received at the above
12 address.
13

14 NOW, THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED by the
15 Board of Supervisors of the Riverside County Flood Control and Water Conservation District in
16 regular session assembled on October 25, 2011 that:

17 1. A public hearing concerning the proposed project and the Mitigated Negative
18 Declaration will be held at 1:30 p.m. on December 6, 2011, at the meeting room of this Board, 1st
19 Floor, County Administrative Center, 4080 Lemon Street, Riverside, California, at which time
20 all public comment shall be heard.
21

22 2. A copy of this resolution and copies of the above-listed documents shall be posted
23 at least 30 days before said hearing at the City of Norco, 2870 Clark Avenue, Norco, California
24 92860.

25 3. A copy of this resolution shall be posted at least 30 days before said hearing at the
26 Riverside County Clerk and Recorder's Office, 2724 Gateway Drive, Riverside, California
27 92507.
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4. The Clerk of this Board is directed to cause a copy of this resolution to be published twice, once at least 30 days before said hearing, and once 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, Stone, Benoit, and Ashley
Nays: None
Absent: Tavaglione

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: *Kecia Harper-Ihem*
Deputy

Norco MDP Lateral N-1D and Spirit Knoll Court

Project No. 2-0-0083, 2-0-0084

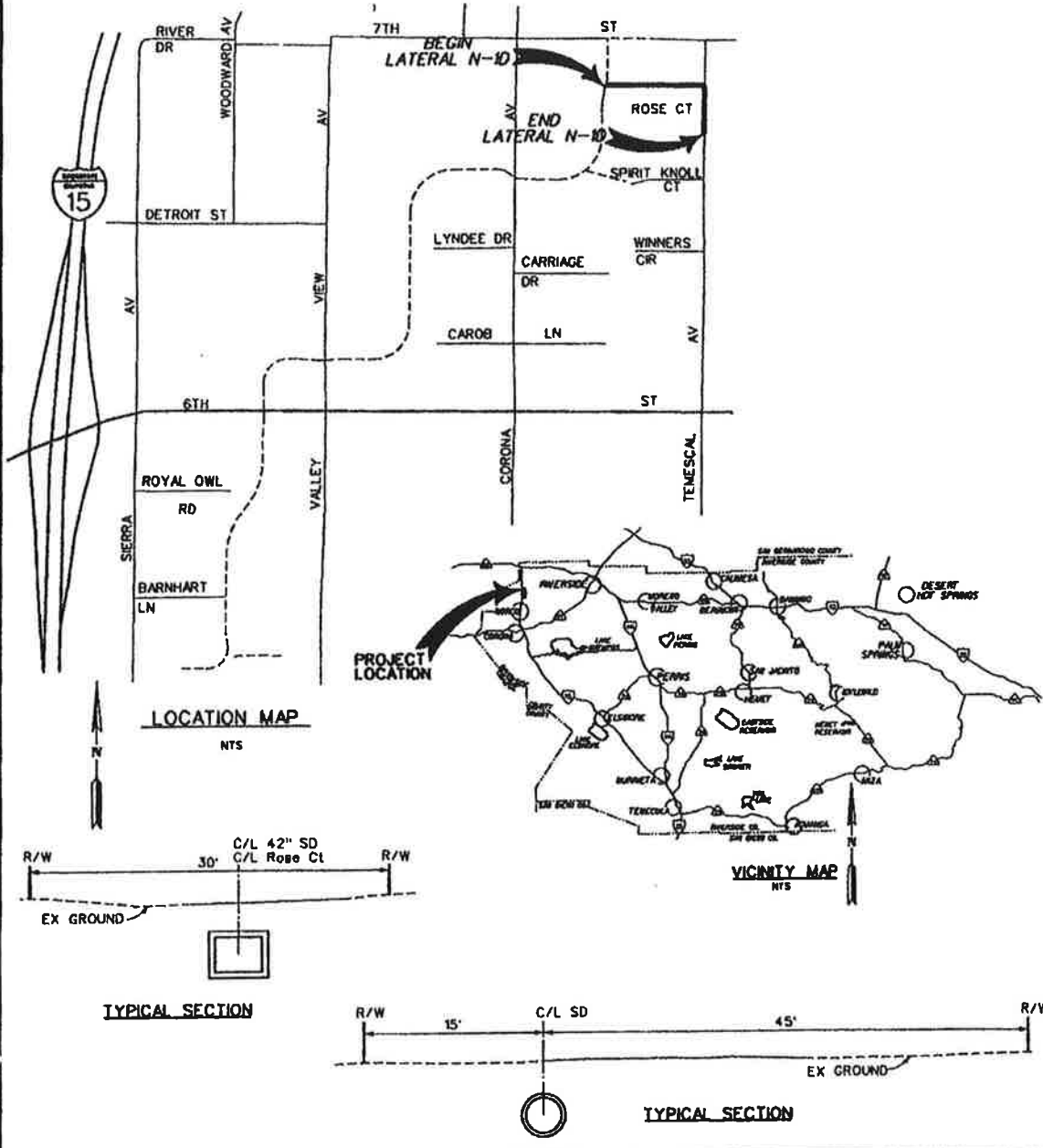
Engineer's Statement

The proposed project is located within the City of Norco, Riverside County, California. The project is an underground system to alleviate the flooding along Rose Court, Temescal Avenue and Spirit Knoll Court. The proposed project consists of two laterals: Spirit Knoll Court lateral is approximately 1160 linear feet of reinforced concrete pipe (RCP) and N-1D lateral is approximately 960 linear feet of reinforced concrete box (RCB). The laterals will connect to the existing North Norco Channel. The cost of the proposed project is approximately \$1,400,000.

SECTION 18
PUBLIC HEARING
MAP



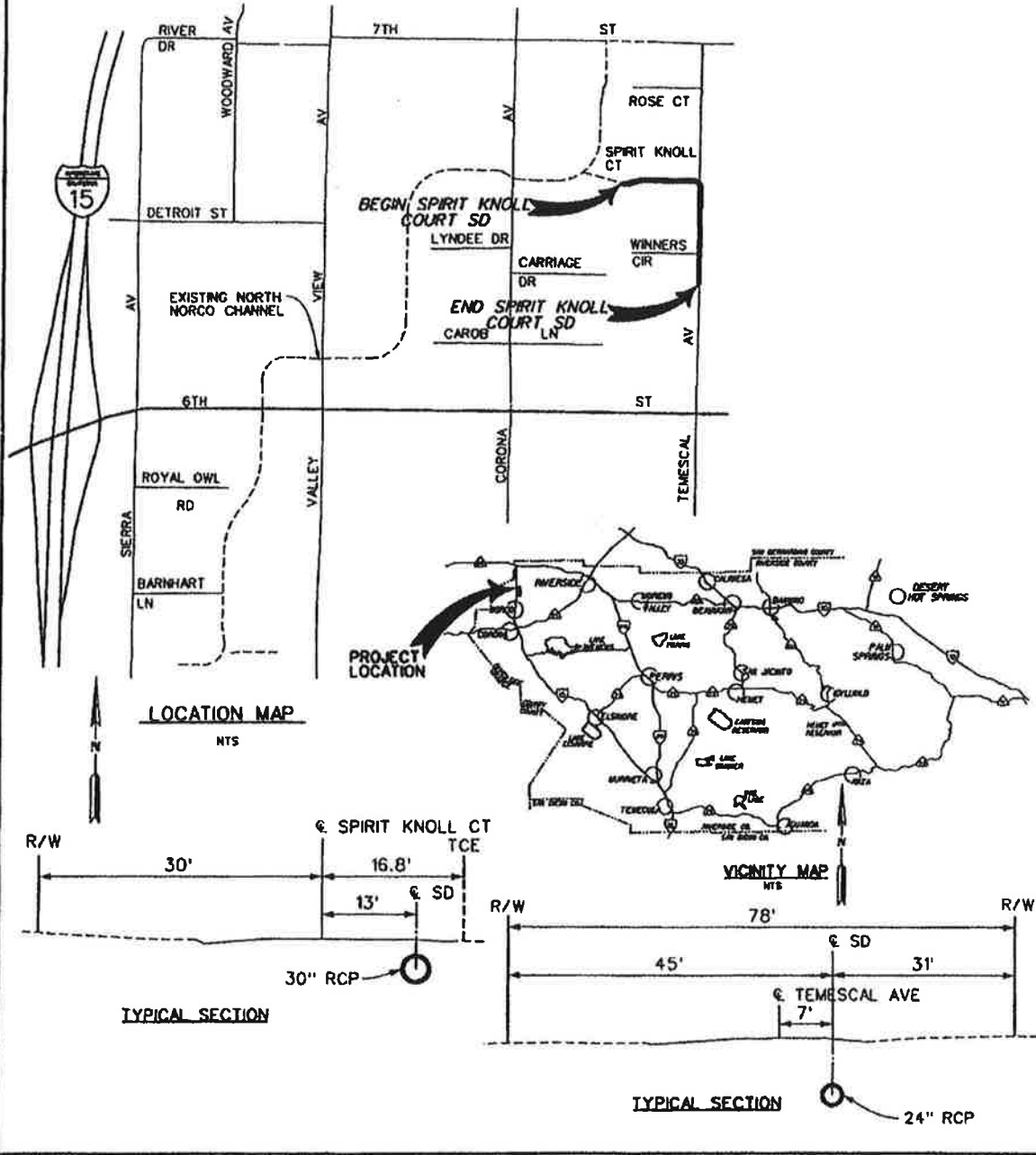
NORCO MDP LATERAL N-1D
PROJECT NO. 2-0-0083
FEBRUARY 2011



SECTION 18
PUBLIC HEARING
MAP



NORCO SPIRIT KNOLL CT SD
PROJECT NO. 2-0-0084
FEBRUARY 2011



Notice of Determination

Appendix D

To: Office of Planning and Research

From: Riverside County Flood Control
1995 Market Street
Riverside, CA 92501
Contact: Kris Flanigan
Phone: 951.955.8581

For U.S. Mail:
P.O. Box 3044
Sacramento, CA 95812-3044

Street Address:
1400 Tenth Street
Sacramento, CA 95814

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

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:

Norco MDP Lateral N-1D and Norco - Spirit Knoll Court Storm Drain Project

Project Location (include county)

The proposed project is located within the city of Norco in Riverside County. The alignment for this project is generally bounded to the north by 7th Street, to the south by 6th Street, to the west by Corona Avenue, and to the east by Center Avenue. The proposed project is located within Township 3 South, Range 6 West, Sections 5 and 6 of the Corona North, California 7.5 Minute USGS Quadrangle.

Project Description

The proposed project consists of the construction, operation, and maintenance of approximately 2,110 lineal feet of underground storm drain facilities in the city of Norco. The project will alleviate flooding and provide conveyance of surface runoff to the main North Norco Channel. The project will require the relocation of existing gas, water, electric, communications, and sewer utility lines.

This is to advise that the Riverside County Flood Control and Water Conservation District has approved the above described

(X Lead Agency or [] Responsible Agency)

project on December 6, 2011 and has made the following determinations regarding the above described project:

(Date)

- 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 Project Features & Environmental Commitments Monitoring Program Table 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 final Mitigated Negative Declaration is available to the General Public at: Office of Clerk of the Board, County Administrative Center, 4080 Lemon Street, Riverside, CA 92501

[Handwritten Signature]

GMA-CE

Signature (Public Agency)

Title

11/17/11
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.

MITIGATED NEGATIVE DECLARATION

| | | |
|-------------------------------------|----------------------------------|--|
| State Clearinghouse Number: None | Contact Person: Kris Flanigan | Telephone Number: 951.955.8581 Email: kflaniga@rcflood.org |
|-------------------------------------|----------------------------------|--|

Lead Agency and Project Sponsor:
Riverside County Flood Control and Water Conservation District

| | | |
|--------------------------------|--------------------|---------------|
| Address: 1995 Market Street | City: Riverside | Zip: 92501 |
|--------------------------------|--------------------|---------------|

Project Title and Description:
The proposed project consists of the construction, operation, and maintenance of approximately 2,110 lineal feet of underground storm drain facilities in the city of Norco. The project will be located within the existing street right of way (private and public). The project will alleviate flooding and provide conveyance of surface runoff to the main North Norco Channel. The project will require the relocation of existing gas, water, electric, communications and sewage utility lines. The construction will be managed by the District and the maintenance of these facilities will either be performed by the District or turned over to the City of Norco.

Project Location:
The Norco MDP Lateral N-1D and Norco - Spirit Knoll Court Storm Drain Project is located within the city of Norco. The proposed project is bounded to the north by 7th Street, to the south by 6th Street, to the west by Corona Avenue and to the east by Center Avenue. The project is located within Township 3 South, Range 6 West, and Sections 5 and 6 of the Corona North, California 7.5 Minute USGS Quadrangle.

The General Manager-Chief Engineer of the Riverside County Flood Control and Water Conservation District has made a finding that the proposed Norco MDP Lateral N-1D and Norco - Spirit Knoll Court Storm Drain 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 Project Features & Environmental Commitments Monitoring Program Table.

| | |
|--|------------------------|
| Signature:  WARREN D. WILLIAMS General Manager-Chief Engineer | Dated: <u>11/27/11</u> |
|--|------------------------|

The Board of Supervisors of the Riverside County Flood Control and Water Conservation District, assembled in regular session on December 6, 2011 has determined that the Norco MDP Lateral N-1D and Norco - Spirit Knoll Court Storm Drain Project will not have a significant adverse effect on the environment and has adopted this Mitigated Negative Declaration.

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

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

RIVERSIDE COUNTY CLERK-RECORDER

AUTHORIZATION TO BILL

TO BE FILLED OUT BY SUBMITTING AGENCY

DATE: 11/16/2011 BUSINESS UNIT/AGENCY: FLOOD CONTROL - FCARC

ACCOUNTING STRING:

ACCOUNT: 526410 FUND: 25120

DEPT ID: 947420 PROGRAM: _____

AMOUNT: \$2,108.00

REF: FINAL CEQA POSTING FOR NORCO MDP LATERAL N-1D & SPIRIT KNOLL COURT SD 2-8-00083-01-30

THIS AUTHORIZES THE COUNTY CLERK & RECORDER TO ISSUE AN INVOICE FOR PAYMENT OF ALL FEES FOR THE ACCOMPANYING DOCUMENTS.

NUMBER OF DOCUMENTS INCLUDED: 3

AUTHORIZED BY: STUART MCKIBBIN

PRESENTED BY: ANDY LEUNG

CONTACT: LISA MCFARLAND 951-955-8454 

TO BE FILLED OUT BY COUNTY CLERK

ACCEPTED BY: _____

DATE: _____

DOCUMENT NO(S)/INVOICE NO(S): _____

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

Riverside, California

FINAL

**CEQA
INITIAL STUDY**

**NORCO MDP LATERAL N-1D
and
NORCO - SPIRIT KNOLL COURT STORM DRAIN**

ZONE 2

November 2011

**WARREN D. WILLIAMS
General Manager-Chief Engineer**

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

Norco MDP Lateral N-1D

and

Norco - Spirit Knoll Court Storm Drain

**Table 1
PROJECT FEATURES & ENVIRONMENTAL COMMITMENTS
MONITORING PROGRAM TABLE**

| Issue | Potential Impact | Project Feature, Environmental Commitment, Avoidance, Minimization, and/or Mitigation Measures | Action | Implementation Responsibility | Governing Agency | Implementation Timing |
|-----------------------------------|---|--|---|---|-------------------------------------|--------------------------------|
| III. Air Quality | During construction, there is potential for temporary increases in air pollution. | MM Air-1: The construction contractor shall be required to comply with applicable provisions of the AQMD Rule 403 and implement appropriate fugitive dust control measures including watering, stabilized construction access to reduce tracking of mud or dirt onto public roads, covering trucks hauling loose material offsite and street sweeping of track-out. | Implement applicable dust control measures. | RCFC & WCD (Design and Construction Division) | SCAQMD | During the construction period |
| V. Cultural Resources | During construction, there is potential to impact cultural resources. | MM Cultural-1: If historical resources are accidentally discovered during construction, ground disturbance activities in the vicinity of the find shall cease until a qualified historical resources specialist can assess the significance of the find and, if necessary, develop appropriate treatment measures. Any discovered resources that merit long term consideration shall be collected and reported in accordance with current protocols. | Excavation activities will cease if potential historical resources are encountered. A qualified historical resources specialist will be retained to evaluate the resources. | RCFC & WCD (Design and Construction Division) | State Historic Preservation Officer | During excavation activities |
| V. Cultural Resources (continued) | During construction, there is potential to impact cultural resources. | MM Cultural-2: If any archaeological resources are exposed during ground excavation disturbance, ground disturbance activities in the vicinity of the discovery will be terminated immediately and a qualified archaeological resources specialist will evaluate the resources. If any discovered archaeological resources merit long-term consideration, adequate funding will be provided to collect, curate and report these resources in accordance with standard archaeological management requirements. | Excavation activities will cease if potential historical resources are encountered. A qualified archaeologist specialist will be retained to evaluate the resources. | RCFC & WCD (Design and Construction Division) | None | During excavation activities |

| Issue | Potential Impact | Project Feature, Environmental Commitment, Avoidance, Minimization, and/or Mitigation Measures | Action | Implementation Responsibility | Governing Agency | Implementation Timing |
|-----------------------------------|---|--|--|---|---|------------------------------|
| V. Cultural Resources (continued) | During construction, there is potential to impact cultural resources. | MM Cultural-3: If any paleontological resources are exposed during ground excavation disturbance, ground disturbance activities in the vicinity of the discovery will be terminated immediately until a qualified paleontologist 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 paleontologist will be retained to evaluate the resources. | RCFC & WCD (Design and Construction Division) | None | During excavation activities |
| V. Cultural Resources (continued) | During construction, there is potential to encounter human remains. | MM Cultural-4: Pursuant to State Health and Safety Code Section 7050.5, if human remains are encountered during construction, ground disturbance activities in the vicinity of the find shall cease until the Riverside County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The Riverside County Coroner must be notified within 24 hours. If the County Coroner determines that the remains are not Native American, the County Coroner will decide the disposition of the remains. If the County Coroner determines that the remains are Native American, the County Coroner will notify the Native American Heritage Commission (NAHC). The NAHC will determine and notify the Most Likely Descent (MLD). The MLD will then recommend the treatment and disposition of the remains pursuant to California Public Resources Code Section 5097.98. The NAHC may become involved with decisions concerning the treatment and disposition of the remains. | Halt construction and notify the County Coroner's Office for proper identification of any human remains found onsite. Contact NAHC to assist, if possible, in disposition of the burial for any human remains found onsite. | RCFC & WCD (Design and Construction Division) | Riverside County Coroner and NAHC | During excavation activities |
| VII. Hazards | Construction activity may uncover potentially hazardous materials. | MM Hazards-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 for the treatment and disposal of the materials in accordance with applicable laws and regulation set by the appropriate regulatory agencies. | If potentially 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 |

| Issue | Potential Impact | Project Feature, Environmental Commitment, Avoidance, Minimization, and/or Mitigation Measures | Action | Implementation Responsibility | Governing Agency | Implementation Timing |
|-----------------------|---|---|--|---|------------------|-----------------------|
| XL. Noise | The use of heavy equipment during project construction may temporarily increase noise levels within nearby residential areas. | <u>MM Noise-1:</u> Heavy equipment use 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 |
| XL. Noise (continued) | The use of heavy equipment during project construction may temporarily increase noise levels within nearby residential areas. | <u>MM Noise-2:</u> Each resident adjacent to the storm drain construction site shall be notified in writing three days prior to operating 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. Traffic | Construction activities may impact the routes of emergency service vehicles. | <u>MM Traffic-1:</u> At all times during construction, emergency fire or medical vehicles shall have access through the project site. | 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:** Norco MDP Lateral N-1D and Norco - Spirit Knoll Court Storm Drain

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:** Kris Flanigan
kflaniga@rcflood.org
951.955.8581

4. **Project location:**

The proposed project is an underground storm drain located within the city of Norco, Riverside County. The alignment for this project is bounded to north by 7th Street, to the south by 6th Street, to the west by Corona Avenue, and to the east by Center Drive (please refer to the vicinity map and location map on Pages 8, 9 and 10). The proposed project is located within Township 3 South, Range 6 West, Sections 5 and 6 of the Corona North, California 7.5 Minutes USGS Quadrangle.

5. **Project sponsor's name and address:** N/A

6. **General plan designation:**

The project is located within the City of Norco General Plan Land Use Map. The land use designation within the project alignment(s) is Residential Agricultural (RA).

7. **Zoning:**

The project site is located within the City of Norco Zoning Map. The zoning designation within the project alignment(s) is Residential Agricultural (RA) - low density (A-1-20) with a maximum density of 20,000 square feet.

8. **Description of project:**

Norco MDP Lateral N-1D and Norco - Spirit Knoll Court Storm Drain include the construction, operation and maintenance of approximately 2,110 lineal feet of underground storm drain facilities in the city of Norco. The project will be located within the existing street right of way (private and public). The project will alleviate flooding and provide conveyance of surface runoff to the main North Norco Channel. The project will require the relocation of existing gas, water, electric, communications, and sewer utility lines. The construction will be administered by the District and the maintenance of these facilities will either be performed by the District or turned over to the City of Norco.

Norco MDP Lateral N-1D: The proposed project includes the construction, operation and maintenance of approximately 960 lineal feet of a 4-foot wide by 3-foot high reinforced concrete box

(RCB). The Norco MDP Lateral N-1D project will be located within Rose Court which is a private street and Temescal Avenue within the existing street right of way. The District will obtain an easement within Rose Court for the storm drain and repave the street. The proposed project starts at the existing 8-foot wide by 5-foot high reinforced box culvert of North Norco Channel Line N-1, then proceeds east within Rose Court for approximately 670 lineal feet to Temescal Avenue where it will turn south and continue for approximately 290 lineal feet.

Norco - Spirit Knoll Court Storm Drain: The project will be located within Spirit Knoll Court and Temescal Avenue within the existing street right of way. The proposed storm drain line would include approximately 1,150 lineal feet of reinforced concrete pipe (RCP) ranging from 24-inches to 30-inches in diameter. The proposed project will start at the existing 30-inch storm drain line at the end of the Spirit Knoll cul-de-sac, and then proceed east for approximately 540 lineal feet to Temescal Avenue where it will turn south and continue for approximately 610 lineal feet.

Earlier Analysis Used:

No earlier analysis was used pursuant to the tiering, program EIR or other CEQA process, nor does the analysis rely on an earlier EIR or negative declaration pursuant to California Code of Regulations, Section 15063(c)(3)(D).

Impacts Adequately Addressed in Earlier Analyses: N/A

Mitigation Measures from Earlier Analysis: N/A

9. Project Objectives:

The overall purpose of the proposed laterals is to provide conveyance of surface runoff to the main North Norco Channel. When implemented, the project will improve local drainage, safely convey stormwater through the area to an adequate outlet (North Norco Channel), alleviate ongoing nuisance flooding and offer valuable flood protection to the surrounding residences and businesses.

10. Surrounding land uses and setting:

The project site and its existing surrounding land uses are generally characterized by low density Residential Agricultural (low density A-1-20 with maximum density of 20,000 square feet). There are no businesses along the project alignment. Surrounding land uses include homes and vacant lands. The proposed project alignment is within the existing street right of way (private and public). A majority of local streets are not improved and do not have curb or gutter. Per the City of Norco, the future improvements to the streets will include a 6-inch curb and gutter. Typical street section will be 36 feet wide with 6 feet of sidewalk on each side and a street cross slope of 0.02. Proposed catch basins will be designed using the assumed improved street information.

Rose Court, Spirit Knoll Court and Temescal Avenue are paved two-lane roadways with dirt shoulders along both sides of the streets. The road shoulders along the project alignment are highly disturbed. The project site is generally flat and vegetation outside of the traveled way is limited to ornamental landscaping and rural (weedy) species. The entire project site is heavily disturbed. Thus, the area of impact does not contain any known biological, ecological, archeological, etc. resources of significance.

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

Federal Agencies *(not "public agencies" as defined by CEQA or required to take a CEQA action)*

None

State Agencies

None

City/County Agencies

City of Norco – Relocation of sewer and waterlines; and the approval of construction activities within the City maintained roads and utility easements.

Financing Approval or Participation Agreements

None

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 checked="" 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:

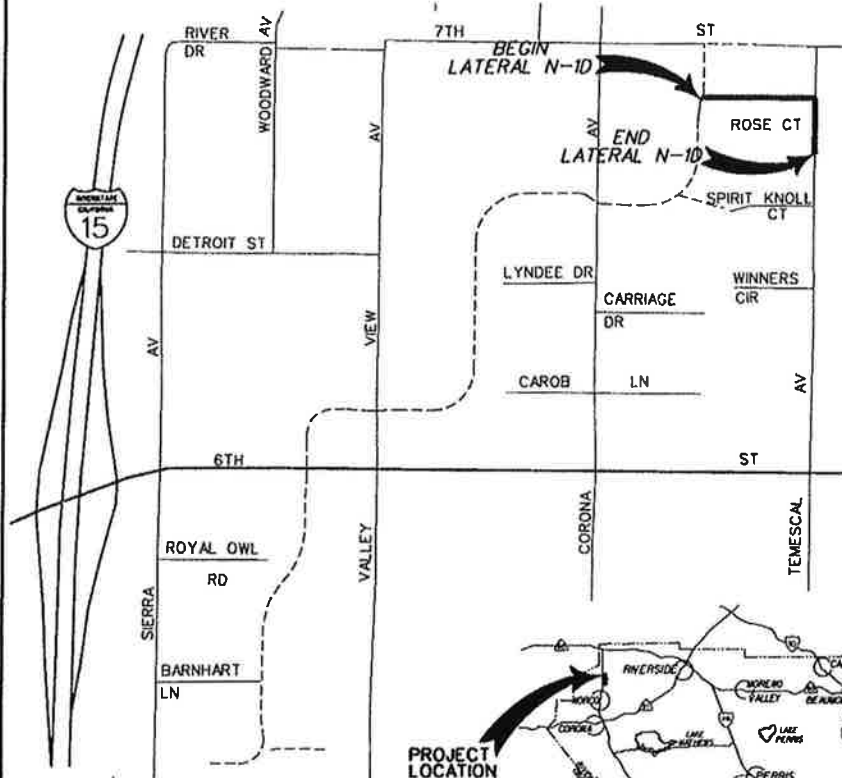
1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact 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.

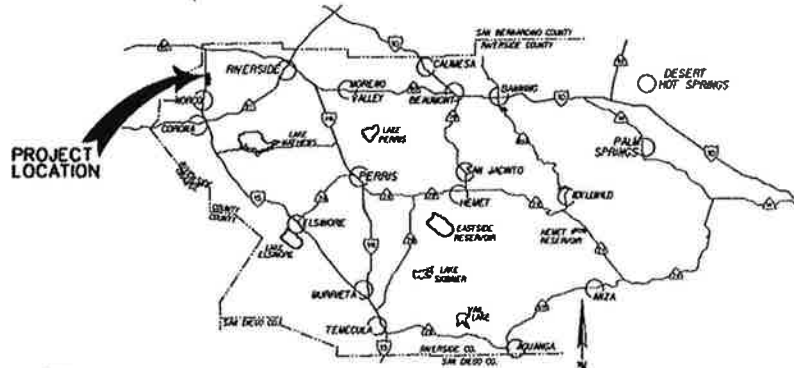
SECTION 18
PUBLIC HEARING
MAP



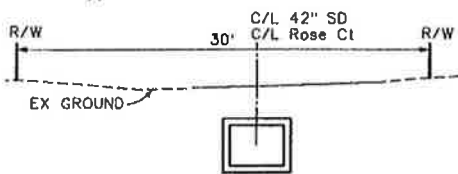
NORCO MDP LATERAL N-1D
PROJECT NO. 2-0-0083
FEBRUARY 2011



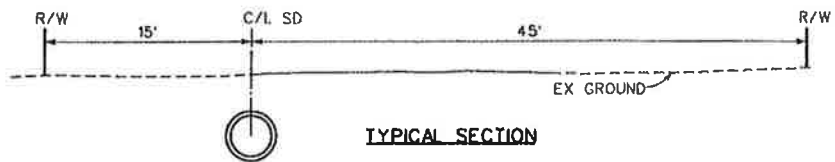
LOCATION MAP
NTS



VICINITY MAP
NTS



TYPICAL SECTION

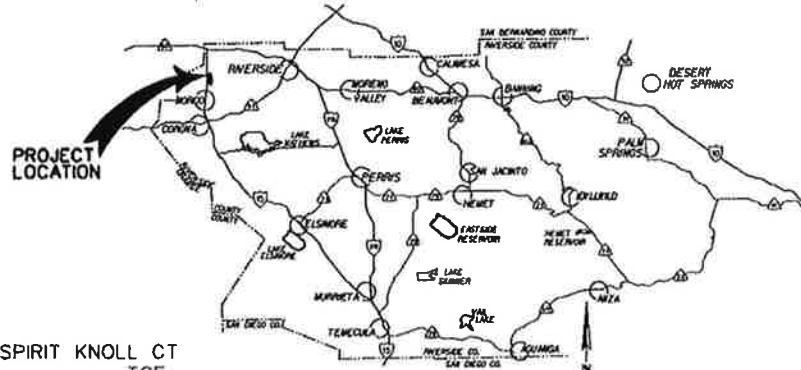
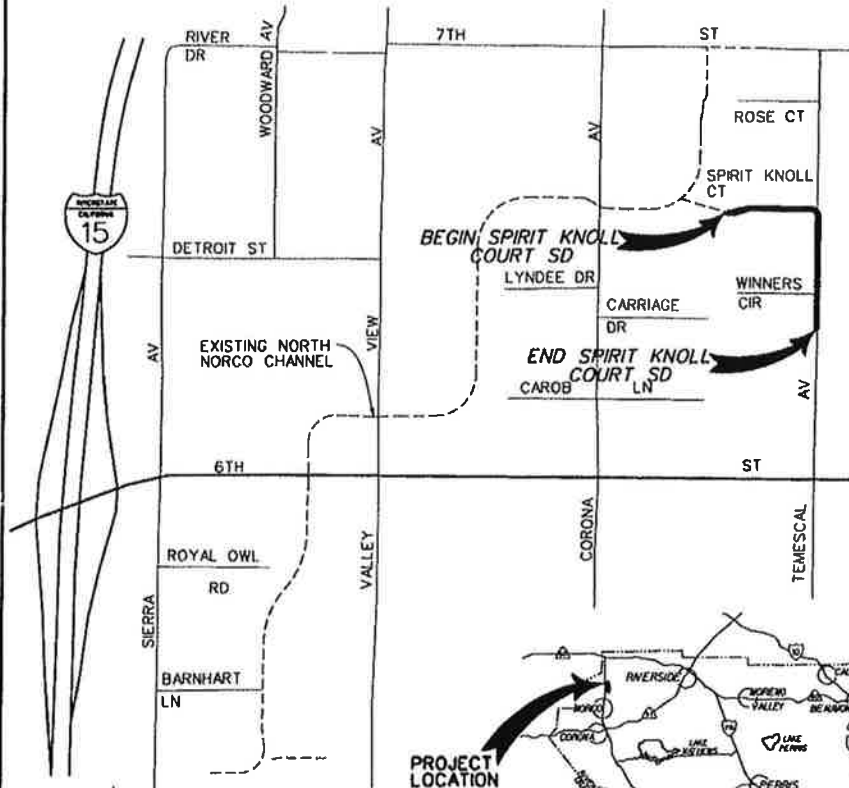


TYPICAL SECTION

SECTION 18
PUBLIC HEARING
MAP

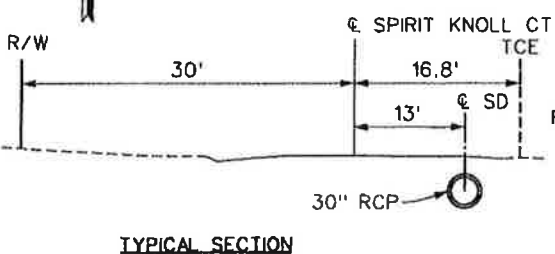


NORCO SPIRIT KNOLL CT SD
PROJECT NO. 2-0-0084
FEBRUARY 2011

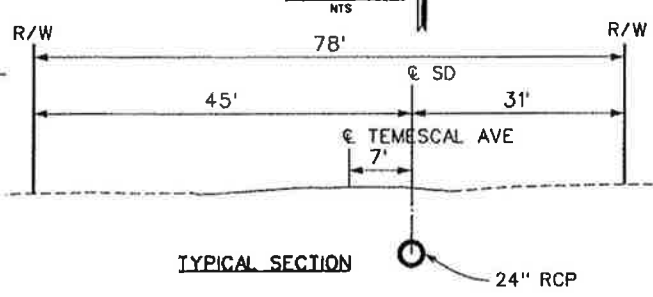


LOCATION MAP
NTS

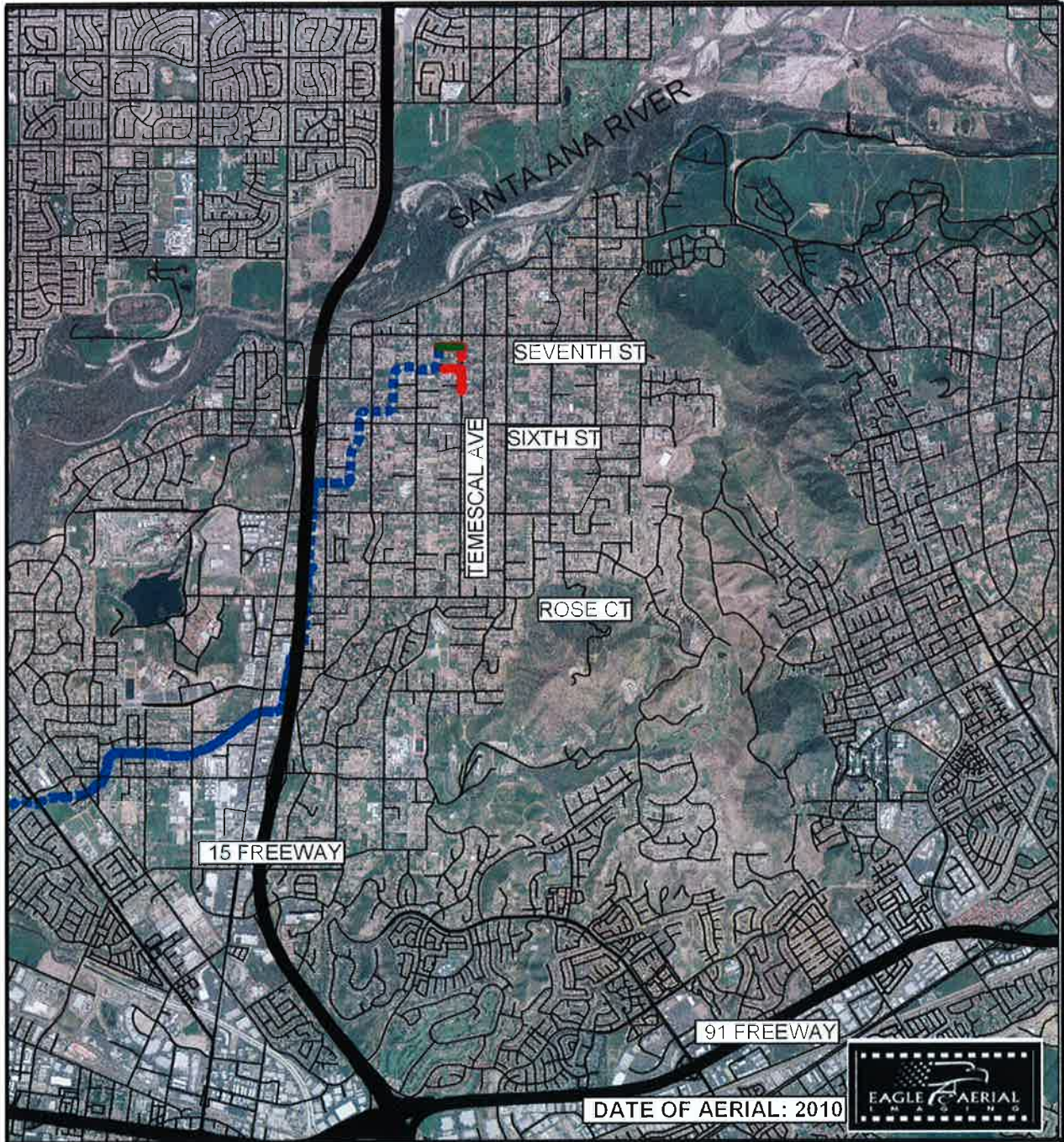
VICINITY MAP
NTS



TYPICAL SECTION



TYPICAL SECTION




GENERAL PROJECT LOCATION

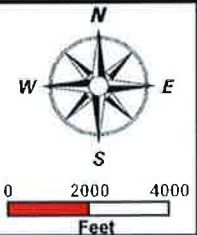
RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

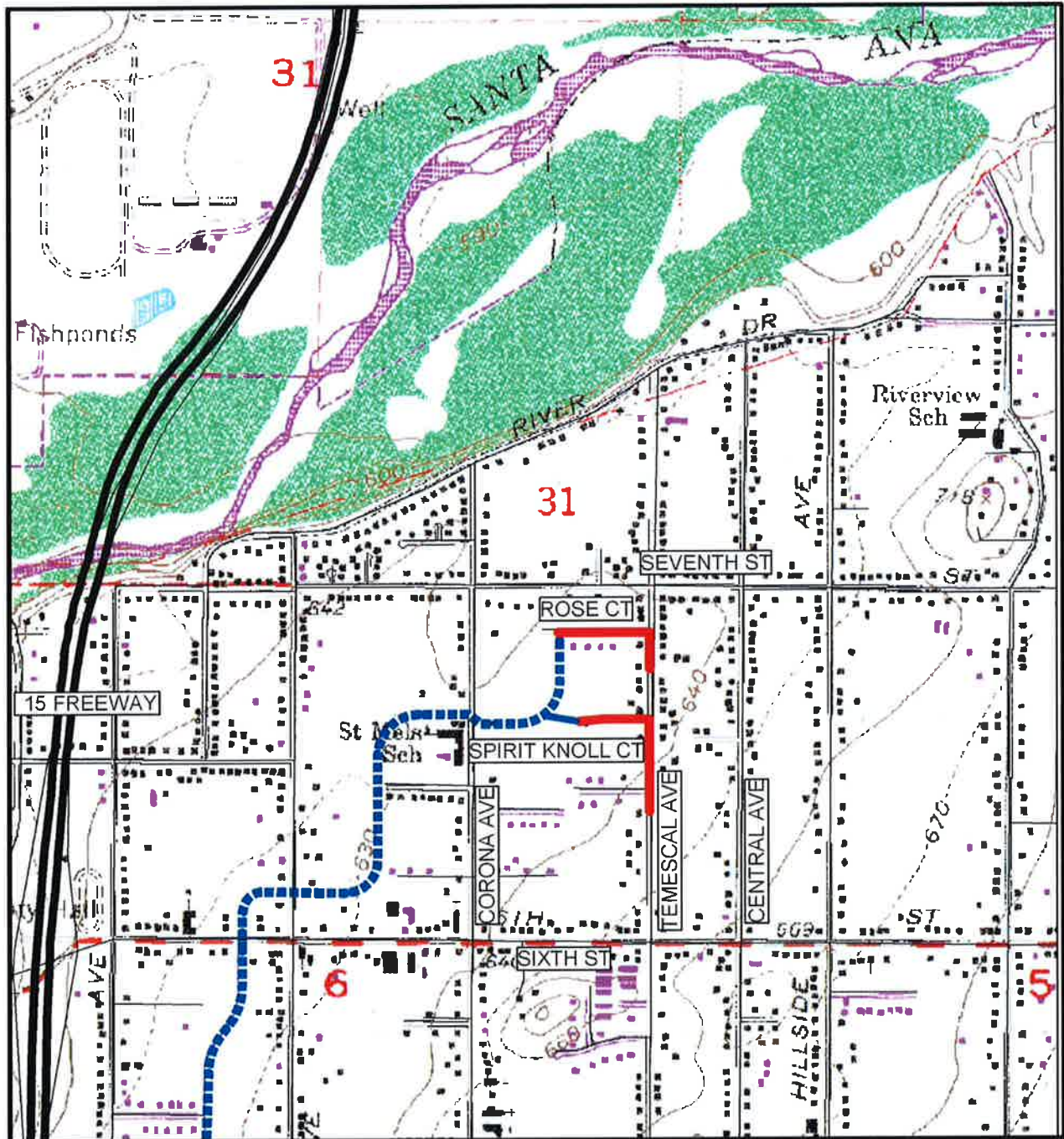
Norco MDP Lateral N-1D
&
Norco - Spirit Knoll Court Storm Drain

FIGURE 3

Legend

-  RCFC EXISTING FACILITY
-  CITY 30" STORM DRAIN
-  RCFC PROPOSED FACILITY
-  EASEMENT
-  15 FREEWAY









USGS MAP

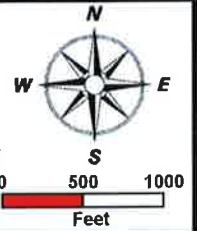
RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

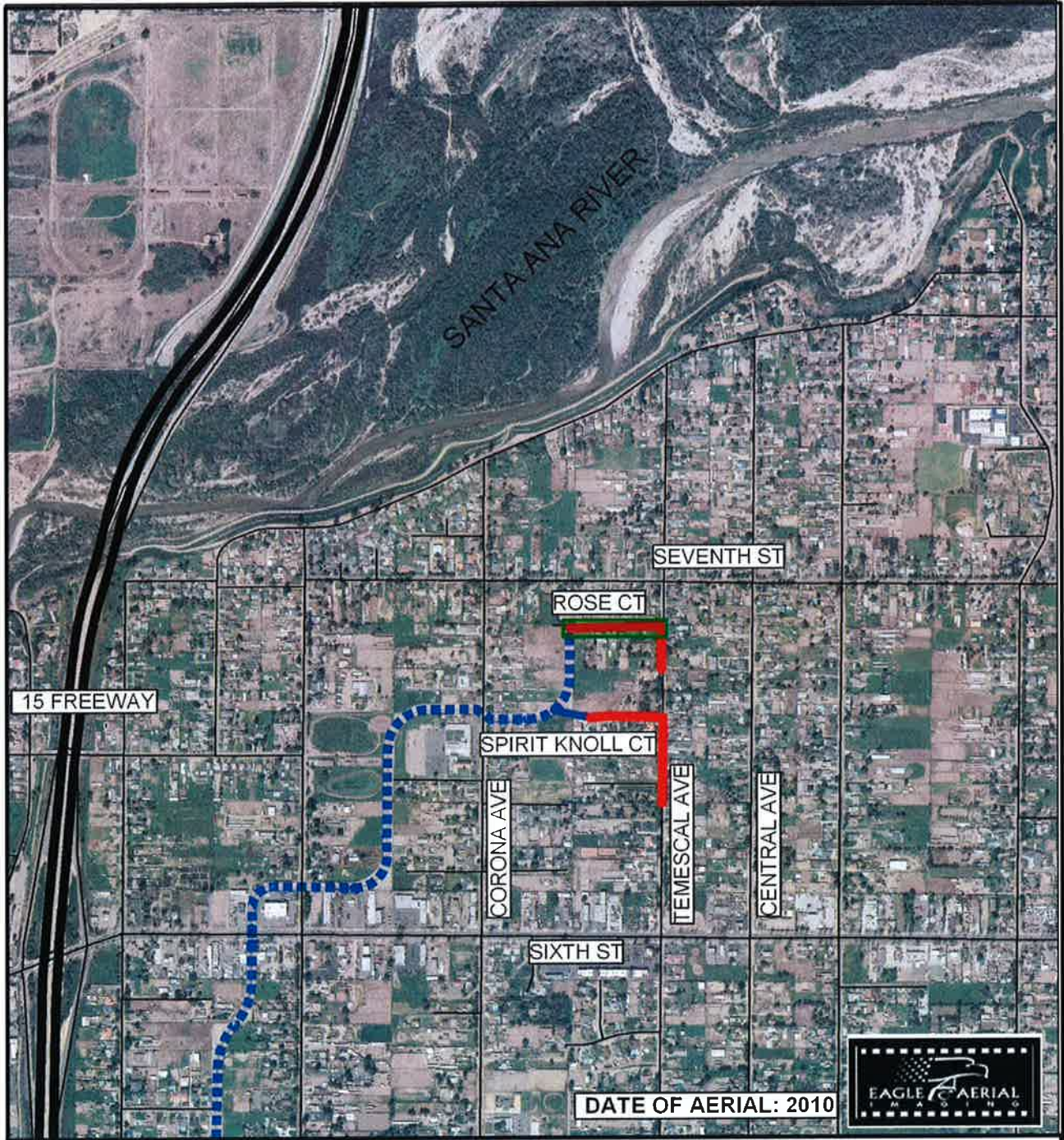
Norco MDP Lateral N-1D
&
Norco - Spirit Knoll Court Storm Drain

FIGURE 4

Legend

-  RCFC EXISTING FACILITY
-  CITY 30" STORM DRAIN
-  RCFC PROPOSED FACILITY
-  15 FREEWAY










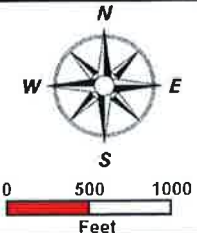
AERIAL MAP

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

Norco MDP Lateral N-1D
&
Norco - Spirit Knoll Court Storm Drain

FIGURE 5

| Legend | |
|---|------------------------|
|  | RCFC EXISTING FACILITY |
|  | CITY 30" STORM DRAIN |
|  | RCFC PROPOSED FACILITY |
|  | EASEMENT |
|  | 15 FREEWAY |



0 500 1000
Feet



Figure 6. Norco MDP Lateral N-1D and Norco - Spirit Knoll Court Storm Drain. Intersection of Temescal Avenue and Spirit Knoll Court, Temescal Avenue looking South.



Figure 7. Norco MDP Lateral N-1D and Norco - Spirit Knoll Court Storm Drain. Intersection of Spirit Knoll Court and Temescal Avenue, Spirit Knoll Court looking west.



Figure 8: Norco MDP Lateral N-1D and Norco - Spirit Knoll Court Storm Drain. Spirit Knoll Court looking east.



Figure 9. Norco MDP Lateral N-1D and Norco - Spirit Knoll Court Storm Drain. Intersection of Temescal Avenue and Rose Court, Temescal Avenue looking south.



Figure 10. Norco MDP Lateral N-1D and Norco - Spirit Knoll Court Storm Drain. Intersection of Rose Court and Temescal Avenue, Rose Court looking west.



Figure 11. Norco MDP Lateral N-1D and Norco - Spirit Knoll Court Storm Drain. Rose Court looking east.

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I. AESTHETICS. Would the project:

- | | | | | | |
|----|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) | Have a substantial adverse effect on a scenic vista? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) | Substantially damage scenic resources, including, but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) | Substantially degrade the existing visual character or quality of the site and its surroundings? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d) | Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" 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"/> |
|----|--|--------------------------|--------------------------|-------------------------------------|--------------------------|

| | | Potential Significant Impact | Potentially Significant Unless Mitigation Incorporated | Less than Significant Impact | No Impact |
|----|---|------------------------------------|--|-------------------------------------|--------------------------|
| b) | Violate any air quality standard or contribute substantially to an existing or projected air quality violation? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 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 type="checkbox"/> | <input checked="" 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"/> |

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|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 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"/> |
|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

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 checked="" type="checkbox"/> | <input 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d) | Disturb any human remains, including those interred outside of formal cemeteries? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

VI. GEOLOGY AND SOILS. Would the project:

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

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

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

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- 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?

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?
- b) Exposure of persons to or generation of excessive ground-borne vibration or ground-borne noise levels?
- c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?
- d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?
- 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?
- 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?

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

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:

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

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

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



Date

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

ENVIRONMENTAL EVALUATION

I. AESTHETICS. Would the project:

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

No Impact. The proposed project is located within a low-density residential zoned area (A-1-20 with maximum density of 20,000 square feet), as described in the City of Norco General Plan. The proposed storm drain system will be constructed underground within street rights-of-way. Thus, the project will not have any adverse effect on a scenic vista.

Source: Project Design, NGP

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

No Impact. Refer to Response Ia). Major trees, rocks outcroppings or historic buildings are not located within the proposed project alignment nor is there a State scenic highway located within the project area. There are some large trees within the project area but they will not be impacted by the proposed project.

Source: Project Design, Google Earth

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

Less than Significant Impact. The visual character of the project site and its surroundings could be affected in the short-term by construction activities. The potential construction-related visual impacts could result from excavating, stockpiling and construction/materials/equipment storage. Visual disturbance during construction is short-term and would cease once construction is completed. The long term visual character of the site and surrounding areas will not be significantly degraded as a result of the project.

Source: Project Design

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

No Impact. The proposed project is an underground storm drain that will not create new or additional light or glare, either during construction or operation and maintenance. The only artificial lighting that may be expected to be used on the project site would be under emergency conditions, however, any impacts would be temporary and insignificant.

Source: Project Design

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:

IIa) 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. According to Figure OS-2 of the Riverside County General Plan, the proposed project site is not located within areas designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance.

Source: Department of Conservation, RCIP, County GIS, Project Design

IIb) 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 would not conflict with existing zoning due to the fact that it will not involve any changes to current General Plan land use or zoning destinations. Additionally, the proposed project site does not contain areas zoned for agriculture land use, areas subject to a Williamson Act Contract, or land within a Riverside County Agriculture Preserve. Refer to Response Ia).

Source: Department of Conservation, RCIP, County GIS, Project Design

IIc) 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. Farmland will not be directly or indirectly impacted as a result of the construction, operation, and subsequent maintenance of the proposed project.

Source: Project Design, Department of Conservation, RCIP

IId) 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. 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: Project Design, RCIP, NGP

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

No Impact. The project does not result in the loss of forest or conversion of forest to non-forest use. The project is not located within area considered as forest land. Refer to the project description on Pages 1 and 2 of this document.

Source: Project design, RCIP

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:

IIIa) 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). The South Coast Air Quality Management District (SCAQMD) regulates air quality emission 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 identifies emission reduction from existing sources and air pollution control measures that are necessary to comply with applicable State and Federal ambient air quality standards. To achieve compliance with these standards, the AQMP establishes control measures and emission reductions based upon future development scenarios derived from land use, population, and employment characteristics defined in consultation with local governments. In addition, to assess the impacts of project-related construction and operational emissions to the air quality, the SCAQMD has established regional significance thresholds.

As described in Response IIIb), construction and subsequent maintenance emissions from the proposed project will only result in temporary air emission from heavy equipment exhaust, construction-related trips by workers and associated fugitive dust generation. The proposed project will be consistent with the existing AQMP rules and will not exceed air quality significance thresholds.

In addition, the proposed project is a storm drain that in and of itself will not result in any changes to the existing land use patterns in the project area, and the construction of the project accommodates present and future development within the Norco area.

Therefore, the proposed project will not conflict with the AQMP or obstruct its implementation.

Source: AQMP, SCAQMD, Project Design

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

Potentially Significant Unless Mitigation Incorporated: The proposed project consists of the construction, operation and maintenance of flood control facilities. The maintenance of the proposed storm drains will not result in any significant air quality impacts. The construction of the project will create minimal, temporary, short term air quality impacts that are considered less than significant with the implementation of the MM Air-1. Construction activities related to the proposed project consist of excavating, hauling, pipe laying, backfilling, compacting, and paving. Construction emission thresholds as recommended by the SCAQMD and estimated construction emissions for the proposed project are noted in Table 2.

Table 2. Air Quality Impacts

| Air Pollutant | SCAQMD Significance Criteria for Construction (lbs/day) | Project Estimated Construction Emissions for 2012 (lbs/day) |
|----------------------------|--|--|
| Nitrogen Oxides | 100 | 44.96 |
| Reactive Organic Compounds | 75 | 5.75 |
| Sulfur Oxides | 150 | 0.01 |
| Carbon Monoxide | 550 | 26.63 |
| PM10 | 150 | 2.59 |
| PM2.5 | 55 | 2.23 |

The estimated construction emissions shown above are based on data derived from URBEMIS 2007 (Version 9.2.4) air pollution emissions model. The URBEMIS Summary Report is included as Appendix 'A' of this document. For purposes of running the model, it was assumed that the construction of Norco MDP Lateral N-1D and Norco-Spirit Knoll Court Storm Drain project would occur simultaneously over a 3 month period resulting in the most significant air quality impact. It was also assumed that the total disturbance area would be 0.97 acres and that 606 cubic yards of soil would be exported. The equipment to be used during the construction was assumed to consist of one cement and mortar mixer, two signal boards, two dump truck, two excavators, two general industrial equipment (pickup trucks), four pavers, two rollers, and two rubber tired loaders. The above emission estimates are also based on every piece of equipment operating a full 8 hours per day, whereas some equipment will actually sit idle during the construction process. The estimate includes the use of at least one water truck as needed to reduce PM10 emissions.

Based on the values shown in Table 2, the estimated short-term emissions from construction equipment are not expected to exceed daily air emissions thresholds as established by SCAQMD. Carbon dioxide has been identified as a contributor to global climate change. However, significance criteria thresholds for carbon dioxide have not been established. Since construction emissions will be low-level and temporary, the proposed project will not have a significant effect on regional or global carbon dioxide levels. Although the project is not anticipated to exceed any of the thresholds noted above nor to cause or contribute to regional or cumulative air quality impacts, the project will comply with SCAQMD Rule 403 regarding the implementation of appropriate fugitive dust control measures and the following mitigation measure will be implemented to ensure compliance with SCAQMD Rule 403:

MM Air-1: The construction contractor shall be required to comply with applicable provisions of the AQMD Rule 403 and implement appropriate fugitive dust control measures including watering, stabilized construction access to reduce tracking of mud or dirt onto public roads, covering trucks hauling loose material offsite and street sweeping of track-out.

Source: Project Design, URBEMIS, CARB, SCAQMD

IIIc) 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 (including releasing emissions which exceed quantitative thresholds for ozone precursors)?

Less than Significant Impact. As mentioned previously in Responses IIIa) and IIIb), the SCAB is a non-attainment area for several criteria pollutants. Although the URBEMIS modeling software does not estimate ozone emissions, NO_x and ROG are considered precursors to ozone formation. According to Table 2 above, NO_x, CO and ROG emissions will remain below daily emissions thresholds set by SCAQMD and, therefore, will not cause a cumulatively considerable net increase of any criteria pollutant. Refer to Response IIIa).

Source: Project Design, CARB, SCAQMD, URBEMIS

IIIId) Expose sensitive receptors to substantial pollutant concentrations?

Less than Significant Impact. Since the project's emissions have been shown to be below all applicable SCAQMD thresholds and there are no significant operational emissions associated with the proposed project, the project will not expose sensitive receptors to substantial point source pollutant concentrations. The project site is located in the immediate vicinity of a

residential neighborhood. Residences located in the project area would be considered the most sensitive land uses (sensitive receptors) in the project area. However, construction activities associated with the installation of the storm drains would result in an increase in dust and some vehicle and equipment emissions during the construction period. While impacts during the construction period are not potentially significant, implementation of mitigation measure MM Air-1 will reduce potential impacts associated with this issue to a less than significant level. The project does not expose sensitive receptors to substantial pollutant concentrations. Refer to Response IIIa).

Source: SCAQMD

IIIe) Create objectionable odors affecting a substantial number of people?

Less than Significant Impact. The proposed project site is located primarily within an existing residential neighborhood. Construction and maintenance activities may produce odors associated with the operation of heavy equipment (diesel exhaust); however, the generation of any odors would be transitory and would not create objectionable odors affecting the residents. The operation and maintenance of the proposed project will not create any long-term objectionable odors. Thus, the project does not create objectionable odors affecting a substantial number of people. Refer to Responses IIIa) and IIIId).

Source: Project Design

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

Less than Significant Impact. Greenhouse gas (GHG) emissions have been associated with global warming and the resulting potential impacts. On June 1, 2005, Governor Arnold Schwarzenegger signed Executive Order S-3-05 which sets forth a series of target dates by which statewide 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 includes 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 per year and it is very long-lived in the atmosphere. The main source of potential GHG emissions associated with the project is the previously described temporary emissions related to the use of heavy equipment during the project construction process. URBEMIS 2007 (version 9.2.4) provides an estimated total CO₂ quantity of 162.31 tons/year (i.e., 147.25 metric tons of CO₂ equivalents per year – MTCO₂ eq/yr) in year 2012 for the temporary project construction emissions. Subsequent operation and maintenance of the proposed project is expected to release infrequent and minor GHG emissions far less than the expected 2012 construction emission of 147.25 MTCO₂ eq/yr.

Currently, there are no established significance thresholds from Federal or State agencies. However, in October 2008, the ARB and AQMD 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. In general, an interim GHG threshold of 7,000 metric ton/year and 25,000 MTCO₂eq/yr is recommended by ARB and

AQMD, respectively. The estimated project construction GHG emission of 147.25 MTCO₂ eq/yr is well below the available interim threshold recommended by the ARB and AQMD. Thus, the proposed project will not generate GHG emissions that would cause significant direct or indirect impacts on the environment. Refer to Response IIIa).

Source: Project Design

IIIg) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less than Significant Impact. As described above, the GHG emissions caused by the proposed project are temporary and less than significant. Thus, the proposed project would not conflict with any currently adopted plans, policies, or regulations established for the purpose of reducing the greenhouse gases. Refer to Response IIIf) above.

Source: Project Design, CARB, SCAQMD, URBEMIS

IV. BIOLOGICAL RESOURCES. Would the project:

IVa) 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?

No Impact. The proposed underground storm drain project will be constructed within street right of way, adjacent to urbanized/disturbed lands. Potential habitat for species identified as candidate, sensitive or special status does not exist within the project footprint.

In general, species have specific habitat requirements that do not exist in the project area, such as riparian areas and wetlands associated with creeks and lakes; chaparral or coastal sage scrub communities; rocky areas with dense vegetation; and coniferous forests and woodlands. Furthermore, due to the disturbed nature of the project area, asphalt street paving, continual disturbance and compaction of dirt shoulders, and the close proximity of residences, suitable habitat does not appear to exist in the project area for any of the sensitive species listed in the database.

In addition, the District has adopted the provisions of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP). As defined by the MSHCP, the project site is located within the Cities of Riverside/Norco Area Plan. The RCIP online Conservation Summary Report Generator was used to determine biological survey requirements under the MSHCP. According to the RCIP Report Generator, the project area is not within a criteria cell and is outside any special survey assessment area Narrow Endemics and Criteria Area plant species.

The proposed project does not have a substantial adverse effect, 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.

Source: MSHCP, RCIP, GIS

IVb) 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?

No Impact. Sensitive habitats are those that are considered rare or declining in the region or support sensitive plant and/or wildlife species. Such areas typically include riparian or wetland areas regulated by the U.S. Army Corps of Engineers (ACOE), the California Department of Fish and Game (CDFG) and the Regional Water Quality Control Board (RWQCB). The proposed underground storm drain project will be constructed within street right of way and adjacent urbanized/disturbed lands. The project area does not contain riparian habitat. Therefore, no impacts are anticipated and no mitigation is required. Refer to Response IVa).

Source: MSHCP, GIS

IVc) 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. As defined by Section 404 of the Clean Water Act, wetlands are "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions".

Wetlands do not currently exist on the project site. The proposed project area along Rose Court, Spirit Knoll Court, and Temescal Avenue does not meet the definition of Water of the United States (WUS) or Water of the State of California (WSC).

Fish and Game Code Section 1602 requires any person, state or local governmental agency, or public utility to notify the Department before beginning any activity that will do one or more of the following:

1. Substantially divert or obstruct the natural flow of any river, stream or lake;
2. Substantially change or use any material from the bed, channel, or bank of, any river, stream, or lake; or
3. Deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it may pass into any river, stream, or lake.

Fish and Game Code Section 1602 applies to all perennial, intermittent, and ephemeral rivers, streams, and lakes in the state. These conditions do not currently exist on the project site. The proposed project does not require a 1602 Permit.

Refer to Responses IVa) and IVb) above.

Source: GIS, ACOE, CDFG

IVd) 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. Migratory fish or wildlife species do not currently exist on the project site. Please refer to Responses IVa) and IVc) above.

Source: Project Design

IVe) 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 policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance. The District implements the provision of the adopted MSHCP, which is addressed in Response IVf) below. There are some large trees within the project area but they will not be removed or impacted by the proposed project.

Source: Project Design, RCIP

IVf) 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 (USFWS) and California Department of Fish and Game (CDFG) 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 District is a MSHCP permittee and the proposed project must fulfill all applicable MSHCP requirements.

The proposed underground storm drain project will be constructed within the street right of way.

The proposed project 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.

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 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 in proximity to a MSHCP conservation area as designated in the MSHCP, and is, therefore, not subject to further analysis or implementation of any conservation measures as shown in the guidelines.

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 (BMP) 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**. The District will contribute to MSHCP mitigation through a payment of 3% of the total project capital cost. Such payment may be offset through acquisition of replacement habitat or creation of new habitat for the benefit of covered species.

The proposed project is not located within a Criteria Area as established by the MSHCP.

The proposed project is not located within Public/Quasi-Public (P/QP) Lands as designated in the MSHCP.

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

Source: MSHCP

V. CULTURAL RESOURCES. Would the project:

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

Potentially Significant Unless Mitigation Incorporated. The Riverside County General Plan Historical Resources Map (Figure OS-7) indicated that the proposed project site is not marked as a historical site and is not located within an area of known historical resources.

A cultural resource records search by the Eastern Information Center (EIC) was received on January 26, 2011 (see Appendix B). The EIC records search indicates that no cultural resources properties have been recorded within the boundary of the project area, and that the project area has not been examined for cultural resources.

The EIC also consulted the National Register of Historic Places (NRHP), California Office of Historical Preservation (OHP), Archeological Determinations of Eligibility (ADOE), the Historic Property Directory (HPD), and the 1947 USGS Corona topographic maps. NRHP, OHP, ADOE, HPD, and USGS Map did not indicate presence of possible historical structures or features within the boundaries of the project area.

The proposed storm drain is located within existing road right of way. Based on the available information, no listed historical property is likely to be impacted by the project and therefore, no avoidance, minimization, and/or mitigation measures are required. However, in the event of the accidental discovery of historical resources during construction, the following measure shall be implemented:

MM Cultural-1: If historical resources are accidentally discovered during construction, ground disturbance activities in the vicinity of the find shall cease until a qualified historical resources specialist can assess the significance of the find and, if necessary, develop appropriate treatment measures. Any discovered resources that merit long term consideration shall be collected and reported in accordance with current protocols.

Source: Project Design, RCIP, EIC

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

Potentially Significant Unless Mitigation Incorporated. The proposed storm drain project would be located within existing street right of way. The Riverside County General Plan Archeological Record Map (Figure OS-6) indicates that the project site is not located within an area of known Archaeological resources and is not marked as an archaeological/historical resource site. A record search conducted by the Eastern Information Center (EIC) and the Native American Heritage Commission (NAHC) failed to indicate the presence of any known cultural resources or archaeological resources within the project area. However, according to the EIC, Archaeological resources may be present within the boundaries of the project area.

In addition, a Sacred Lands File (SLF) search conducted by the Native American Heritage Commission (NAHC) failed to indicate the presence of Native American cultural resources in the immediate project area.

As recommended by the NAHC, the following Native American Tribes were consulted via letter: Los Coyotes Band of Mission Indians, Pala Band of Mission Indians, Pechanga Band of Mission Indians, Ramona Band of Cahuilla Mission Indians, Santa Rosa Band of Mission Indians, Morongo Band of Mission Indians, Pechanga Band of Mission Indians, Cahuilla and of Indians, Pechanga Cultural Resources Department, Soboba Band of Luiseño Indians (Joseph Ontiveros), and Luiseno Band (Mr. Willie Pink). Letter responses (see Appendix B) dated February 22, 2011 and March 4, 2011 were received from the Pala Band of Mission Indians and the Santa Rosa Band of Cahuilla Indians (via e-mail), respectively. No other responses have been received.

The response letter from the Pala Band of Mission Indians states that the proposed project is not within the boundaries of the recognized Pala Band Reservation. In addition, the Pala Band states that the project is also beyond the territory that the tribe considers its Traditional Use Area (TUA). The Pala Band states that they have no objection to the continuation of project activities as currently planned.

In an e-mail dated March 4, 2011, Steven Estrada, Tribal Council for the Santa Rosa Band of Cahuilla Indians states that the Band has no specific concerns in regards to cultural resources at this time. The Santa Rosa Band of Cahuilla Indians wanted to defer further consultation to the Soboba Band of Luiseno Indians and their cultural resources department. The Contact person of the Soboba Band of Luiseno Indians, Joseph Ontiveros, was previously contacted on February 2, 2011 but the District received no response from him.

It is unlikely that any archaeological resources will be impacted during construction. However, in the event of accidental discovery of archaeological resources during construction, the following mitigation measure will be incorporated into the proposed project:

MM Cultural-2: If any archaeological resources are exposed during ground excavation disturbance, ground disturbance activities in the vicinity of the discovery will be terminated immediately and a qualified archaeological resources specialist will evaluate the resources.

If any discovered archaeological resources merit long-term consideration, adequate funding will be provided to collect, curate and report these resources in accordance with standard archaeological management requirements.

Source: Project Design, RCIP, EIC, NAHC

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

Potentially Significant Unless Mitigation Incorporated. The Riverside County General Plan Paleontological Sensitivity Map (Figure OS-8) and the Riverside County GIS mapping indicate that the project is located within an area of high potential for paleontological resources. Thus, there is potential that buried paleontological resources could be uncovered during construction. However, the proposed storm drain project is located within existing street right of way and the project site consists of previously disturbed streets including the installation of utilities. To ensure that potential impacts to paleontological resources are avoided or reduced to a less than significant level, the following mitigation measure will be incorporated into the proposed project:

MM Cultural-3: If any paleontological resources are exposed during ground excavation disturbance, ground disturbance activities in the vicinity of the discovery will be terminated immediately until a qualified paleontological resources specialist can evaluate the significance of the find and, if necessary, develop appropriate treatment measures.

Source: Project Design, RCIP

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

Potentially Significant Unless Mitigation Incorporated. It is unlikely that human remains are located within the proposed project area. The Native American Heritage Commission (NAHC) Sacred Lands File search failed to indicate the presence of known Native American cultural resources or sacred sites in the immediate project area. Despite the absence of known resources, the potential exists for discovery of unknown human remains during soil disturbance. In the unlikely event that human remains are encountered on the project site during construction of the project, the following mitigation measure will be incorporated into the project to ensure that impacts remain less than significant.

MM Cultural-4: Pursuant to State Health and Safety Code Section 7050.5, if human remains are encountered during construction, ground disturbance activities in the vicinity of the find shall cease until the Riverside County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The Riverside County Coroner must be notified within 24 hours. If the County Coroner determines that the remains are not Native American, the County Coroner will decide the disposition of the remains. If the County Coroner determines that the remains are Native American, the County Coroner will notify the Native American Heritage Commission (NAHC). The NAHC will determine and notify the Most Likely Descent (MLD). The MLD will then recommend the treatment and disposition of the remains pursuant to California Public Resources Code Section 5097.98. The NAHC may become involved with decisions concerning the treatment and disposition of the remains.

Source: Project Design, NAHC

VI. GEOLOGY AND SOILS. Would the project:

Via) 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.**

No Impact. According to Figure S-2 of the Riverside County General Plan (RCIP), the project site is not located within or near a currently delineated State of California Alquist-Priolo Earthquake Fault Zone. In addition, Figure S-1 of the Riverside County General Plan does not show any known faults mapped within the project area. Furthermore, the Riverside County Land Information System indicates that the proposed project is not located within a Fault Zone or within one half mile of any known fault. Therefore, the proposed project will not expose people or structures to potential substantial adverse effects resulting from seismic activity.

Source: RCIP, GIS

ii) Strong seismic ground shaking?

Less than Significant Impact. Most of southern California is subject to strong seismic ground shaking due to the sheer number of faults traversing the region. According to Figure S-12 of the Riverside County General Plan, the project area is located within an area of "extremely high" risk for seismic ground shaking. However, 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. Consequently, the project would not expose people or structures to potential substantial adverse effects involving seismic ground shaking.

Source: RCIP, GIS

iii) Seismic-related ground failure, including liquefaction?

Less than Significant Impact. According to Figure S-3 of the Riverside County General Plan, the project is not located within an area of "high" susceptibility for liquefaction. However, the proposed project is a storm drain facility located within existing street right of way and, furthermore will be designed in accordance with the applicable recommendations of the geotechnical engineer. 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, including liquefaction. Consequently, the project would not expose people or structures to potential substantial adverse effects involving seismic-related ground failure.

Source: Project Design, GIS

iv) Landslides or mudflows?

No Impact. According to Figure S-4 of the Riverside County General Plan, the project area is not mapped as having susceptibility to seismically-induced landslides or mudflows. The project area is relatively flat terrain and is not located on a hillside. Therefore, the proposed project would not expose people or structures to potential substantial adverse effects involving landslides or mudflows.

Source: RCIP, GIS

VIb) 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 construction of the proposed storm drain facility will involve excavation and backfill activities. 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 Investigation Report. During the construction phase, appropriate Best Management Practices (BMPs) will be implemented by the construction contractor to minimize erosion. Therefore, potential impacts will be reduced to less than significant.

Source: Project Design, NPDES

- VIc) 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 4.10.5 of the County of Riverside General Plan Final Program Environmental Impact Report, 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 report prepared for the project. See also Responses to VIa) and VIb).

Source: Project Design, RCIP

- VIId) 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?**

No Impact. A geotechnical report will be prepared prior to the finalization of the project's design. Recommendations from the geotechnical report (see Response VIc) comment) will be incorporated into the design and construction of the project. The proposed project is an underground storm drain system located primarily within existing road rights-of-way. Thus, irrespective of soil type, the project does not pose a substantial risk to life or property.

Source: Project Design, Geotechnical Report

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

No Impact. The proposed project consists of the construction and maintenance of a storm drain system. There are no structures or businesses proposed as part of the project. See also Response to VIId).

Source: Project Design

VII. HAZARDS AND HAZARDOUS MATERIALS. Would the project:

- VIIa) 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. 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. Best Management Practices (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. The proposed project will not create a significant hazard to the public or the environment.

Source: Project Design

VIIb) 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. The potential risk of an accidental explosion or the release of hazardous substances associated with the proposed project is minimal. However, there is a low potential that excavation activities during construction could uncover hazardous materials. In the event that hazardous waste is discovered during site preparation or construction, the identified hazardous waste and/or hazardous material shall be handled and disposed of in the manner specified by the State of California Hazardous Substances Control Law (Health and Safety Code, Division 20, Chapter 6.5) and according to the requirements of the California Administrative Code, Title 30, Chapter 22. BMPs will be implemented for the duration of project construction that will avoid and minimize the release of hazardous materials into the environment. In the unlikely event that hazardous waste is encountered on the project site during construction of the project, the following mitigation measure will be incorporated into the project to ensure that impacts remain less than significant.

MM Hazards-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 for the treatment and disposal of the materials in accordance with applicable laws and regulation set by the appropriate regulatory agencies.

Source: Project Design

VIIc) 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. The project area is located within the Corona-Norco Unified School District. School facilities do not exist within ¼ mile of the proposed project area. In addition, the proposed project does not include any activities or uses that would pose a significant source for hazardous materials. The District will comply or, in the case of its contractors, require compliance with all Federal, State and local laws regulation the use, storage and transport of hazardous materials.

Source: Project Design, Google Earth

VIIId) 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 any identified hazardous materials sites. In addition, a review of the State Water Resources Control Board's Leaking Underground Storage Tank (LUST) Geotracker database

indicates that the nearest LUST site is over ½ mile away from the project site. The proposed underground storm drain facility is located within the street right of way and would not expose the public or the environment to such hazards. There are no listed hazardous materials site within the project area. However, in the unlikely event of the discovery of previously unknown hazardous materials during construction, the following measure shall be implemented. Refer to MM Hazards-1.

Source: DTSC, SWRCB, EPA

- VIIe) 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 project is not located within an airport land use plan or within two miles of a public or public use airport (See Figures 2 and 4).

Source: Google Earth

- VIIIf) 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 project is not located within the vicinity of a private airstrip.

Source: Google Earth

- VIIg) 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 will impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. Vehicular access will be maintained 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.

The Traffic Control Plan prepared for the project will ensure that temporary construction impacts will not significantly interfere or impair traffic flow or emergency access through the project area. Temporary traffic impacts associated with the proposed project are further addressed in Section XV of this document.

Source: Project Design, RCIP

- VIIh) 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?**

Less than Significant Impact. According to the California Department of Forestry and Fire Protection, the proposed project is not subject to wildland fire hazards. In addition, Figure S-11 of the Riverside County General Plan shows that the project area is not subject to risk of wildland fire hazards. The proposed storm drain system would not expose people or structures to an increased risk of wildfire beyond current conditions.

Source: RCIP, California Department of Forestry and Fire Protection

VIII. HYDROLOGY AND WATER QUALITY. Would the project:

VIIIa) 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. The proposed project will not create new sources of stormwater pollutants; however, it will collect, convey and discharge stormwater runoff emanating from developed areas that may already produce pollutants. During the construction phase, the potential for short-term discharges of sediment, hydrocarbons or other pollutant associated with stormwater runoff from the construction site may be increased. The District is also required to comply with the NPDES Municipal Separate Storm Sewer System (MS4) permit issued by the Santa Ana Regional Water Quality Control Board (SARWQCB). Compliance with these established programs will ensure that the project would not result in substantial discharges of typical stormwater pollutants.

Source: Project Design, NPDES, SARWQCB

VIIIb) 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 changes to surface water quality including, but not limited to, temperature, dissolved oxygen, pH, or turbidity. Refer to Response VIIIa) above.

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

No Impact. The proposed project consists of the construction, operation, and maintenance of an underground storm drain system and does not involve the withdrawal of groundwater. Groundwater removal during excavation is not expected. The proposed project will collect and convey stormwater runoff within an underground storm drain system which will be located under the existing paved streets of Rose Court, Spirit Knoll Court, and Temescal Avenue. Given the existing conditions of the streets, percolation of stormwater runoff does not occur on-site. Therefore, there would be no impacts to groundwater recharge.

Source: Project Design

VIIIId) 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?

No Impact. The proposed project will not substantially alter a watercourse or wetland. The proposed project lies within an area that is already developed and the project does not alter the existing or proposed land-use within the project area, therefore, the project will not increase the quantity of surface water runoff. Implementation of the proposed project will result in the construction, operation and maintenance of an underground storm drain system

that will outlet into existing facilities with sufficient capacity to convey the runoff from the proposed project site. The proposed project will not substantially alter the existing drainage pattern of the site or area in a manner which would result in substantial erosion or siltation on or offsite.

Source: Project Design

VIIIe) 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 consists of the construction, operation, and maintenance of an underground storm drain system located within existing road rights-of-way. The proposed storm drain system will safely collect and convey stormwater runoff through the project area and discharge it to the existing North Norco Channel. The project will not substantially alter the existing drainage pattern of the site or area in a manner which result in substantial flooding on or offsite. The proposed project will relieve local flooding problems by providing needed drainage facilities in the area.

The proposed project will not change existing land use or create any new impervious surfaces, therefore, the proposed project will not substantially increase the rate or the amount of surface runoff in a manner which result in flooding on or offsite. See Response VIIIId) above.

Source: Project Design

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

Less than Significant Impact. As previously discussed, the proposed storm drain project will not modify existing land-use or create any new impervious surfaces. The proposed storm drain will outlet into the existing North Norco Channel which has capacity for the flows. The project will not create or contribute additional runoff water to the existing or planned stormwater drainage systems and therefore, the impact is less than significant.

Source: Project Design

VIIIg) 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?

No Impact. The proposed project will not place housing within a 100-year flood hazard area. In addition, the proposed project is not within the 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map (FEMA Map No. 06065C0683G). The proposed project consists of the construction of an underground storm drain system that will alleviate local flooding for nearby existing development and will reduce the exposure of people and property to local flood hazards.

Source: Project Design

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

No Impact. The proposed project is not located 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. In addition, the proposed facilities will reduce the exposure of people and property to local nuisance flooding. See Response VIIIg).

Source: Project Design

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

No Impact. The proposed underground storm drain system will not expose people or structures to a significant risk involving flooding including failure of a levee or dam. Conversely, the project will increase the existing level of flood protection for nearby development.

Source: Project Design

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

No Impact. The proposed project site is not subject to inundation by a seiche or tsunami. In addition, the proposed project will not increase the potential for seiche, tsunami or mudflows.

Source: Project Design

IX. LAND USE PLANNING. Would the project:

IXa) Physically divide an established community?

No Impact. The proposed project consists of the construction, operation, and maintenance of an underground storm drain system road right of way. Thus, the proposed project would not physically divide an established community.

Source: Project Design

IXb) 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 is located in Norco and is generally subject to the land use policies of the City of Norco. According to the City of Norco's General Plan Land Use Map, the land use designation within the project alignment(s) is Residential Agricultural (RA). The zoning designation within the project alignment(s) is a low density (A-1-20) with a maximum density of 20,000 square feet. Thus, the proposed project will not conflict with any land use plans, policies or regulations adopted for the purpose of avoiding or mitigating an environmental effect.

Source: Project Design, NGP

X. MINERAL RESOURCES. Would the project:

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

No Impact. Sections 2761(a) and (b) and 2790 of the State's Surface Mining and Reclamation Act (SMARA) provide for a mineral lands inventory process termed classification-designation. The California Division of Mines and Geology, and the State Mining and Geology Board are responsible for administering this process and have statutory authority. Areas are classified on the basis of geologic factors, without regard to existing land use and land ownership. The areas are categorized into four Mineral Resource Zones (MRZs).

According to Figure OS-5 of the Riverside County General Plan, much of the project vicinity is classified by the State of California as a MRZ-3. This classification denotes mineral deposits are likely to exist; however, the significance of the deposit is undetermined.

The proposed project is an underground storm drain system located within street rights-of-way and would not affect known mineral resources. Moreover, the proposed project would not change any land uses within the project area that would affect known mineral resources. Therefore, the proposed project would not result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state.

Source: NGP, RCIP

Xb) 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 site is not located within a delineated mineral resource recovery area. Refer to Response Xa).

Source: RCIP

XI. NOISE. Would the project result in:

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

Potentially Significant Unless Mitigation Incorporated. The proposed project would involve the temporary and 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 comply with the Riverside County Ordinance Number 847 and incorporate the following measures:

MM Noise-1: Heavy equipment use 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.

MM Noise-2: Each resident adjacent to the storm drain construction site shall be notified in writing three days prior to operating 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, NGP

XIb) 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.

The Riverside County Noise Ordinance does not include criteria for ground-borne vibration. However, 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 3 and 4 list criteria for both human perception and building damage resulting from construction induced vibration.

**Table 3
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 4
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 5 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 0.04 inches/second in areas within street rights-of-way, and up 0.16 inches/second within easements in private property.

Table 5
Project Construction Induced Impacts (in/sec)

| Estimated Construction Induced Vibration Impacts (large bulldozer) | | Threshold Intermittent Construction Induced Vibration | |
|--|----------------------|---|-----------------|
| Minimum (at 50 feet) | Maximum (at 15 feet) | Human Perception ("Distinctly Perceptible") | Building Damage |
| 0.04 | 0.16 | 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. Implementation of MM Noise 1 and MM Noise 2 will ensure short-term construction impacts that expose people to ground-borne vibration or noise levels to less than significant.

Source: Project Design, Caltrans' Transportation and Construction Induced Vibration Guidance Manual

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

No Impact. The construction, operation and maintenance of a flood control facility will not result in a substantial permanent increase in ambient noise levels. Potential noise impacts will be limited to the temporary construction impacts described above. Refer to Response XIb).

Source: Project Design

XId) 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 operation and maintenance of the proposed project will not result in a permanent substantial ambient noise increase. Potential impacts will be limited to the temporary impacts during construction described above. Refer to Response XIb).

Source: Project Design

XIe) 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. There are no airports located within two miles of the proposed project site. The proposed project will not expose people residing or working in the project area to excessive noise levels.

Source: Project Design, Google Earth

- XI 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 project is not located within two miles of a private airstrip.

Source: Project Design, Google Earth

XII. POPULATION AND HOUSING. Would the project:

- XII 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 underground storm drain system will alleviate local flooding in an area that, for the most part, is already developed. The purpose of the proposed project is to alleviate local nuisance flooding within the existing roadway and nearby residences. The proposed project does not include the construction of homes or businesses and is not expected to result in any change to existing land use patterns or trigger substantial growth in the area. Regardless, any development that may occur is subject to the policies of the City of Norco General Plan and to further review by the Community.

Source: Project Design

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

No Impact. The proposed project will not displace any existing housing. Refer to Response XII a).

Source: Project Design

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

No Impact. The proposed project will not displace people and, thus, will not necessitate the construction of replacement housing elsewhere. Refer to Response XII a).

Source: Project Design

XIII. PUBLIC SERVICES

- XIII 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?

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

Police protection?

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

Schools?

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

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.

Other public facilities?

No Impact. Local roads are the only public facilities that may be impacted by the proposed project. Once constructed, the proposed project will reduce the potential for flood damage to the public roads within the project area. Thus, the need to maintain and repair public roads due to flood damage will be reduced. No additional public facilities will be impacted by the proposed project.

Source: Project Design

XIV. RECREATION

XIVa) 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 existing neighborhood parks, regional parks, or other recreational facilities.

Source: Project Design

XIVb) 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 include recreational facilities nor will it require the construction or expansion of such facilities.

Source: Project Design

XV. TRANSPORTATION AND TRAFFIC. Would the project:

- XVa) 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?**

No 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 would not conflict with any applicable plans establishing measures of effectiveness for the performance of a circulation system.

Source: Project Design

- XVb) 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?**

No Impact. The proposed project is not located within a State Highway or Principal Arterial designated within the Riverside County Transportation Commission's (RCTC) 2010 Congestion Management Program (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 will not conflict with the CMP.

Source: Project Design

- XVc) 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 consists of underground storm drainage facilities that would not increase hazard due to the design features or incompatible uses.

Source: Project Design

- XVd) Would the project result in inadequate emergency access?**

Potentially Significant Impact Unless Mitigated. 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. A Traffic Control Plan (TCP) that will detail and coordinate all traffic movement through the project area will be implemented throughout project construction. The proposed project will also be closely coordinated with the City of Norco, who will also review and approve the TCP. With the implementation of the TCP, combined with the short-term nature of lane closures and the inclusion of the following measure, impacts to emergency access will remain less than significant:

MM Traffic-1: At all times during construction, emergency fire or medical vehicles shall have access through the project site.

Source: Project Design

XVe) Would the project 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

XVf) 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. The proposed project would not 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.

XVI. UTILITIES AND SERVICE SYSTEMS. Would the project:

XVIa) 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 proposed project does not require or result in the construction of new electrical facilities or expansion of existing electrical facilities.

Natural Gas

No Impact. The proposed project does not require or result in the construction of new natural gas facilities or expansion of existing natural gas facilities.

Communication System

No Impact. The proposed project does not require or result in the construction of new communication system facilities or expansion of existing communication system facilities.

Street lighting

No Impact. The proposed project does not require or result in the construction of new street lighting or expansion of existing street lighting.

Public facilities, including roads and bridges

No Impact. The proposed project would not require or result in the construction of new public facilities or the expansion of existing public facilities including roads and bridges.

Source: Project Design

XVIb) 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 new drainage facilities to alleviate nuisance flooding within the proposed area. Other drainage facilities will not be required as a result of the proposed project.

Source: Project Design

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

Less than Significant Impact. The proposed project would not require new or expanded water supplies. Construction of the proposed project will necessitate incidental short-term water use: for example dust control during construction. Existing water sources/supplies will be adequate. Impacts are less than significant.

Source: Project Design

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

No Impact. The proposed 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

XVIe) 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 would generate a limited amount of solid waste during the construction phase. Construction waste will be limited to trash generated by construction crews plus minimal debris created during the clearing phase. The limited amount of solid waste generated by construction of the project would not be substantial or interfere with the capacity of nearby landfills. See Response XVIIf).

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

Less than Significant Impact. For District projects, all C&D materials become the property of the Contractor for disposal. However, the District requires that construction waste be disposed offsite in compliance with Federal, State and local statutes and regulations related to solid waste. A long-term solid waste source would not be created.

Source: Project Design

XVII. MANDATORY FINDINGS OF SIGNIFICANCE.

XVIIa) 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 demonstrated by this Initial Study, potential impacts to the environment, wildlife species, plant community and cultural resources will not occur or will be less than significant. Refer to Section IV.

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

Less than Significant Impact. As discussed in this document, due to the relatively small area of impact and the relatively short construction period, potential impacts would be temporary and not be cumulatively considerable.

XVIIc) 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 in this document, the proposed project would result in very minimal environmental impacts such as air quality and noise. With the incorporation of the mitigation measures as described in Sections III and XI, potential air quality and noise impacts will be less than significant and would not cause substantial adverse effects on human beings. In addition, 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) |
| 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) |
| 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) |
| CGS | California Department of Conservation, California Geological Survey, Alquist-Priolo Earthquake Fault Zones. (Available at ftp://ftp.consrv.ca.gov/pub/dmg/pubs/sp/Sp42.pdf) |
| CNNDB | California Natural Diversity Database, 2008. (Available at http://www.dfg.ca.gov/biogeodata/cnnddb/) |
| CNUSD | Corona-Norco Unified School District, (Available at http://www.cnusd.k12.ca.us) |
| DTSC | California Department of Toxic Substances Control, Hazardous Waste and Substance Site List (Cortese List), website accessed January 7, 2011. (Available at http://www.calepa.ca.gov/SiteCleanup/CorteseList/default.htm) |
| EIC | Eastern Information Center, Department of Anthropology, University of California Riverside (UCR), letter dated January 24, 2011. (Available at University of California Riverside (UCR)) |
| GIS | County of Riverside, Geographic Information System Database. (Available at http://www3.tlma.co.riverside.ca.us/pa/rcdis/index.html) |
| GE | Google Earth 4.3, 2009. (Available at http://www.earth.google.com/) |
| 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) |
| NGP | City of Norco General Plan Land Use and Zoning Maps, May 2, 2007. (Available at http://www.ci.norco.ca.us/depts/planning/genral_plan_land_use_and_zoning_maps.asp) |
| 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 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) |
| Section 53091 | California Government Code Section 53091. (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) |
| URBEMIS | The Urban Emissions (URBEMIS) 2007 Model (Version 9.24), released February 2008. (Available on the SCAQMD website at: www.URBEMIS.com) |

Appendix A

URBEMIS Summary Report

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\haethadd\Desktop\COPY of Urbemis File.urb924

Project Name: Norco MDP Lateral N-1D, Stage 1 and Norco-Spirit Knoll Court SD, Stage 1

Project Location: Riverside County

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report

CONSTRUCTION EMISSION ESTIMATES

| | ROG | NOx | CO | SO2 | PM10.Dust | PM10.Exhaust | PM10 | PM2.5.Dust | PM2.5.Exhaust | PM2.5 | CO2 |
|-----------------------------------|------|-------|-------|------|-----------|--------------|------|------------|---------------|-------|----------|
| 2012 TOTALS (lbs/day unmitigated) | 5.75 | 44.96 | 26.63 | 0.01 | 0.22 | 2.37 | 2.59 | 0.05 | 2.18 | 2.23 | 5,361.39 |

Construction Unmitigated Detail Report

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

| | ROG | NOx | CO | SO2 | PM10.Dust | PM10.Exhaust | PM10 | PM2.5.Dust | PM2.5.Exhaust | PM2.5 | CO2 |
|--|------|-------|-------|------|-----------|--------------|------|------------|---------------|-------|----------|
| Time Slice 1/2/2012-3/16/2012 Active Days: 55 | 5.75 | 44.96 | 26.63 | 0.01 | 0.22 | 2.37 | 2.59 | 0.05 | 2.18 | 2.23 | 5,361.39 |
| Mass Grading 01/02/2012-03/16/2012 | 5.75 | 44.96 | 26.63 | 0.01 | 0.22 | 2.37 | 2.59 | 0.05 | 2.18 | 2.23 | 5,361.39 |
| Mass Grading Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.20 | 0.04 | 0.00 | 0.04 | 0.00 |
| Mass Grading Off Road Diesel | 5.64 | 44.70 | 23.03 | 0.00 | 0.00 | 2.35 | 2.35 | 0.00 | 2.16 | 2.16 | 4,852.27 |
| Mass Grading On Road Diesel | 0.00 | 0.07 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.67 |
| Mass Grading Worker Trips | 0.10 | 0.20 | 3.57 | 0.01 | 0.02 | 0.02 | 0.04 | 0.01 | 0.01 | 0.02 | 497.45 |

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| | | | | | | | | | | | |
|--------------------------------|------|-------|-------|------|------|------|------|------|------|------|----------|
| Time Slice 3/19/2012-3/30/2012 | 4.76 | 29.40 | 18.22 | 0.00 | 2.27 | 2.29 | 0.01 | 2.09 | 2.09 | 2.09 | 2,974.37 |
| Active Days: 10 | | | | | | | | | | | |
| Asphalt 03/19/2012-03/31/2012 | 4.76 | 29.40 | 18.22 | 0.00 | 2.27 | 2.29 | 0.01 | 2.09 | 2.09 | 2.09 | 2,974.37 |
| Paving Off-Gas | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving Off Road Diesel | 4.51 | 28.77 | 16.02 | 0.00 | 2.24 | 2.24 | 0.00 | 2.06 | 2.06 | 2.06 | 2,603.27 |
| Paving On Road Diesel | 0.04 | 0.52 | 0.19 | 0.00 | 0.02 | 0.02 | 0.00 | 0.02 | 0.02 | 0.02 | 91.29 |
| Paving Worker Trips | 0.06 | 0.11 | 2.01 | 0.00 | 0.01 | 0.02 | 0.00 | 0.01 | 0.01 | 0.01 | 279.81 |

Phase Assumptions

- Phase: Mass Grading 1/2/2012 - 3/16/2012 - Paving after Storm Drain Installation
 Total Acres Disturbed: 0.97
 Maximum Daily Acreage Disturbed: 0.01
 Fugitive Dust Level of Detail: Default
 20 lbs per acre-day
 On Road Truck Travel (VMT): 2.75
 Off-Road Equipment
 1 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 8 hours per day
 2 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day
 2 Dumpsters/Tenders (16 hp) operating at a 0.38 load factor for 8 hours per day
 2 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
 2 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day
 2 Rubber Tired Loaders (164 hp) operating at a 0.54 load factor for 8 hours per day
 2 Signal Boards (15 hp) operating at a 0.78 load factor for 8 hours per day
 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
 1 Trenchers (63 hp) operating at a 0.75 load factor for 8 hours per day
 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 3/19/2012 - 3/31/2012 - Paving
 Acres to be Paved: 0.6

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- Off-Road Equipment:
 4 Pavers (108 hp) operating at a 0.62 load factor for 7 hours per day
 2 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
 2 Signal Boards (15 hp) operating at a 0.78 load factor for 8 hours per day
 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Urbemis 2007 Version 9.2.4
Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\haehadd\Desktop\COPY of Urbemis File.urb924
Project Name: Norco MDP Lateral N-1D, Stage 1 and Norco-Spirit Knoll Court SD, Stage 1
Project Location: Riverside County
On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006
Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report

CONSTRUCTION EMISSION ESTIMATES

| | ROG | NOx | CO | SO2 | PM10 Dust | PM10 Exhaust | PM10 | PM2.5 Dust | PM2.5 Exhaust | PM2.5 | CO2 |
|-----------------------------------|------|-------|-------|------|-----------|--------------|------|------------|---------------|-------|----------|
| 2012 TOTALS (lbs/day unmitigated) | 5.75 | 44.96 | 26.63 | 0.01 | 0.22 | 2.37 | 2.59 | 0.05 | 2.18 | 2.23 | 5,361.39 |

Construction Unmitigated Detail Report

CONSTRUCTION EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

| | ROG | NOx | CO | SO2 | PM10 Dust | PM10 Exhaust | PM10 | PM2.5 Dust | PM2.5 Exhaust | PM2.5 | CO2 |
|--|------|-------|-------|------|-----------|--------------|------|------------|---------------|-------|----------|
| Time Slice 1/2/2012-3/16/2012 Active Days: 55 | 5.75 | 44.96 | 26.63 | 0.01 | 0.22 | 2.37 | 2.59 | 0.05 | 2.18 | 2.23 | 5,361.39 |
| Mass Grading 01/02/2012-03/16/2012 | 5.75 | 44.96 | 26.63 | 0.01 | 0.22 | 2.37 | 2.59 | 0.05 | 2.18 | 2.23 | 5,361.39 |
| Mass Grading Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.20 | 0.04 | 0.00 | 0.04 | 0.00 |
| Mass Grading Off Road Diesel | 5.64 | 44.70 | 23.03 | 0.00 | 0.00 | 2.35 | 2.35 | 0.00 | 2.16 | 2.16 | 4,852.27 |
| Mass Grading On Road Diesel | 0.00 | 0.07 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.67 |
| Mass Grading Worker Trips | 0.10 | 0.20 | 3.57 | 0.01 | 0.02 | 0.02 | 0.04 | 0.01 | 0.01 | 0.02 | 497.45 |

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| | | | | | | | | | | | |
|-------------------------------|------|-------|-------|------|------|------|------|------|------|------|----------|
| Time Site 3/19/2012-3/30/2012 | 4.76 | 29.40 | 18.22 | 0.00 | 0.02 | 2.27 | 2.29 | 0.01 | 2.09 | 2.09 | 2.974.37 |
| Active Days: 10 | | | | | | | | | | | |
| Asphalt 03/19/2012-03/31/2012 | 4.76 | 29.40 | 18.22 | 0.00 | 0.02 | 2.27 | 2.29 | 0.01 | 2.09 | 2.09 | 2,974.37 |
| Paving Off-Gas | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving Off Road Diesel | 4.51 | 28.77 | 16.02 | 0.00 | 0.00 | 2.24 | 2.24 | 0.00 | 2.06 | 2.06 | 2,603.27 |
| Paving On Road Diesel | 0.04 | 0.52 | 0.19 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | 0.02 | 0.02 | 91.29 |
| Paving Worker Trips | 0.06 | 0.11 | 2.01 | 0.00 | 0.01 | 0.01 | 0.02 | 0.00 | 0.01 | 0.01 | 279.61 |

Phase Assumptions

- Phase: Mass Grading 1/2/2012 - 3/16/2012 - Paving after Storm Drain Installation
 Total Acres Disturbed: 0.97
 Maximum Daily Acreage Disturbed: 0.01
 Fugitive Dust Level of Detail: Default
 20 lbs per acre-day
 On Road Truck Travel (VMT): 2.75
 Off-Road Equipment:
 1 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 8 hours per day
 2 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day
 2 Dumpers/Tenders (16 hp) operating at a 0.38 load factor for 8 hours per day
 2 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
 2 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day
 2 Rubber Tired Loaders (164 hp) operating at a 0.54 load factor for 8 hours per day
 2 Signal Boards (15 hp) operating at a 0.78 load factor for 8 hours per day
 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
 1 Trenchers (63 hp) operating at a 0.75 load factor for 8 hours per day
 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 3/19/2012 - 3/31/2012 - Paving
 Acres to be Paved: 0.6

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- Off-Road Equipment:
 4 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
 2 Rollers (95 hp) operating at a 0.58 load factor for 7 hours per day
 2 Signal Boards (15 hp) operating at a 0.78 load factor for 8 hours per day
 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\haelhad\l\Desktop\COPY of Urbemis File.urb924

Project Name: Norco MDP Lateral N-1D, Stage 1 and Norco-Spirit Knoll Court SD, Stage 1

Project Location: Riverside County

On-Road Vehicle Emissions Based on: Version : Emission2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

| | ROG | NOX | CO | SO2 | PM10 Dust | PM10 Exhaust | PM10 | PM2.5 Dust | PM2.5 Exhaust | PM2.5 | CO2 |
|------------------------------------|------|------|------|------|-----------|--------------|------|------------|---------------|-------|--------|
| 2012 TOTALS (ton/year unmitigated) | 0.18 | 1.38 | 0.62 | 0.00 | 0.01 | 0.68 | 0.08 | 0.00 | 0.07 | 0.07 | 162.31 |

Construction Unmitigated Detail Report

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

| ROG | NOX | CO | SO2 | PM10 Dust | PM10 Exhaust | PM10 | PM2.5 Dust | PM2.5 Exhaust | PM2.5 | CO2 |
|-----|-----|----|-----|-----------|--------------|------|------------|---------------|-------|-----|
| | | | | | | | | | | |

3/2/2011 3:35:13 PM

| | | | | | | | | | | | |
|------------------------------------|------|------|------|------|------|------|------|------|------|------|--------|
| 2012 | 0.18 | 1.38 | 0.82 | 0.00 | 0.01 | 0.08 | 0.08 | 0.00 | 0.07 | 0.07 | 162.31 |
| Mass Grading 01/02/2012-03/16/2012 | 0.16 | 1.24 | 0.73 | 0.00 | 0.01 | 0.07 | 0.07 | 0.00 | 0.06 | 0.06 | 147.44 |
| Mass Grading Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mass Grading Off Road Diesel | 0.16 | 1.23 | 0.63 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.06 | 0.06 | 133.44 |
| Mass Grading On Road Diesel | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 |
| Mass Grading Worker Trips | 0.00 | 0.01 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.68 |
| Asphalt 03/19/2012-03/31/2012 | 0.02 | 0.15 | 0.09 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 | 14.87 |
| Paving Off-Gas | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving Off Road Diesel | 0.02 | 0.14 | 0.08 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 | 13.02 |
| Paving On Road Diesel | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 |
| Paving Worker Trips | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 |

Phase Assumptions

- Phase: Mass Grading 1/2/2012 - 3/16/2012 - Paving after Storm Drain Installation
- Total Acres Disturbed: 0.97
- Maximum Daily Acreage Disturbed: 0.01
- Fugitive Dust Level of Detail: Default
- 20 lbs per acre-day
- On Road Truck Travel (VMT): 2.75
- Off-Road Equipment
- 1 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 8 hours per day
- 2 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day
- 2 Dumpers/Tenders (16 hp) operating at a 0.38 load factor for 8 hours per day
- 2 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
- 2 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day
- 2 Rubber Tired Loaders (164 hp) operating at a 0.54 load factor for 8 hours per day
- 2 Signal Boards (15 hp) operating at a 0.78 load factor for 8 hours per day

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- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
 - 1 Trenchers (63 hp) operating at a 0.75 load factor for 8 hours per day
 - 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day
- Phase: Paving 3/19/2012 - 3/31/2012 - Paving
- Acres to be Paved: 0.6
- Off-Road Equipment:
- 4 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
 - 2 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
 - 2 Signal Boards (15 hp) operating at a 0.76 load factor for 8 hours per day
 - 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Appendix B

**Comment Letters
and
Responses**

01/31/2011 10:41 FAX 910 857 5390

NAHC

001/004

STATE OF CALIFORNIA

Edmund G. Brown, Jr., Governor

NATIVE AMERICAN HERITAGE COMMISSION
315 CAPITOL MALL, ROOM 304
SACRAMENTO, CA 95834
(916) 652-6365
Fax (916) 657-5300
Web Site www.nahc.ca.gov
e-mail nahc@pacbell.net



January 31, 2011

Kris Flanigan, Senior Civil Engineer
**RIVERSIDE COUNTY FLOOD CONTROL & WATER
CONSERVATION DISTRICT**
1995 Market Street
Riverside, CA 92501

Sent by FAX to: 951-788-9865
No. Pages: 4

Re: Request for a Sacred Lands File Search and Native American Contacts list for the:
"Norco MDP Laateral N-1D, Stage 1 and Norco - Sprlit Knoll Court Storm Drain, Stge
1, Project Nos. 2-0-00083-01 and 2-0-00084-01 Project;" located in the Norco Area;
Riverside County; California

Dear Kris Flanigan:

The Native American Heritage Commission (NAHC), the State of California 'Trustee Agency' for the protection and preservation of Native American cultural resources. The NAHC Sacred Lands File (SLF) search resulted in; Native American cultural resources were not identified within 1/2 mile of the areas of potential effect (e.g. APE. There are, however, Native American cultural resources in close proximity to the APE. Note that the NAHC 'Sacred Sites,' are defined by the Native American Heritage Commission and the California Legislature in California Public Resources Code §§5097.94(a) and 5097.96 The absence of evidence of archaeological items does not indicate that they do not exist at the subsurface and/or when groundbreaking activity occurs.

This letter includes state and federal statutes relating to Native American historic properties of religious and cultural significance to American Indian tribes and interested Native American individuals as 'consulting parties' under both state and federal law. State law also addresses the freedom of Native American Religious Expression in Public Resources Code §5097.9.

The California Environmental Quality Act (CEQA - CA Public Resources Code 21000.21177, amendments effective 3/18/2010) requires that any project that causes a substantial adverse change in the significance of an historical resource, that includes archaeological resources, is a 'significant effect' requiring the preparation of an Environmental Impact Report (EIR) per the CEQA Guidelines defines a significant impact on the environment as 'a substantial, or potentially substantial, adverse change in any of physical conditions within an area affected by the proposed project, including ... objects of historic or aesthetic significance.' In order to comply with this provision, the lead agency is required to assess whether the project will have an adverse impact on these resources within the 'area of potential effect (APE), and if so, to mitigate that effect.

Early consultation with Native American tribes in your area is the best way to avoid unanticipated discoveries once a project is underway. Culturally affiliated tribes and individuals

may have knowledge of the religious and cultural significance of the historic properties in the project area (e.g. APE). Consultation with Native American communities is also a matter of environmental justice as defined by California Government Code §65040.12(e). We strongly urge that you make contact with the list of Native American Contacts on the attached list of Native American contacts, to see if your proposed project might impact Native American cultural resources. Lead agencies should consider avoidance as defined in §15370 of the CEQA Guidelines when significant cultural resources may be affected by a proposed project.

Furthermore we suggest that you contact the California Historic Resources Information System (CHRIS) for pertinent archaeological data within or near the APE, at (916) 445-7000 for the nearest Information Center.

Consultation with tribes and interested Native American consulting parties, on the NAHC list, should be conducted in compliance with the requirements of federal NEPA (42 U.S.C. 4321-43351) and Section 106 and 4(f) of federal NHPA (16 U.S.C. 470 et seq), 36 CFR Part 800.3 (f) (2) & .5, the President's Council on Environmental Quality (CEQ, 42 U.S.C. 4371 et seq. and NAGPRA (25 U.S.C. 3001-3013) as appropriate. The 1992 *Secretary of the Interiors Standards for the Treatment of Historic Properties* were revised so that they could be applied to all historic resource types included in the National Register of Historic Places and including cultural landscapes. Also, federal Executive Orders Nos. 11593 (preservation of cultural environment), 13175 (coordination & consultation) and 13007 (Sacred Sites) are helpful, supportive guides for Section 106 consultation.

Also, California Public Resources Code Section 5097.98, California Government Code §27491 and Health & Safety Code Section 7050.5 provide for provisions for accidentally discovered archeological resources during construction and mandate the processes to be followed in the event of an accidental discovery of any human remains in a project location other than a 'dedicated cemetery'.

To be effective, consultation on specific projects must be the result of an ongoing relationship between Native American tribes and lead agencies, project proponents and their contractors, in the opinion of the NAHC. Regarding tribal consultation, a relationship built around regular meetings and informal involvement with local tribes will lead to more qualitative consultation tribal input on specific projects.

The response to this search for Native American cultural resources is conducted in the NAHC Sacred Lands Inventory, established by the California Legislature (CA Public Resources Code 5097.94(a) and is exempt from the CA Public Records Act (c.f. California Government Code 6254.10) although Native Americans on the attached contact list may wish to reveal the nature of identified cultural resources/historic properties. Confidentiality of "historic properties of religious and cultural significance" may also be protected under Section 304 of the NHA or at the Secretary of the Interior discretion if not eligible for listing on the National Register of Historic Places. The Secretary may also be advised by the federal Indian Religious Freedom Act (cf. 42 U.S.C., 1998) in issuing a decision on whether or not to disclose items of religious and/or cultural significance identified in or near the APE and possibly threatened by proposed project activity.

If you have any questions about this response to your request, please do not hesitate to contact me at (916) 653-5251.

Sincerely,
Dave Singleton
Program Analyst
Attachment: Native American Contact List

Native American Contacts
Riverside County
February 1, 2011

Los Coyotes Band of Mission Indians
Francine Kupsch, Spokesperson
P.O. Box 189 Cahulla
Warner , CA 92086
loscoyotes@earthlink.net
(760) 782-0711
(760) 782-2701 - FAX

Santa Rosa Band of Mission Indians
Mayme Estrada, Chairwoman
P.O. Box 809 Cahulla
Hemat , CA 92546
srtribaloffice@aol.com
(951) 658-5311
(951) 658-6733 Fax

Pala Band of Mission Indians
Tribal Historic Preservation Office
35009 PalaTemecula Rd, PMB Luiseno
Pala , CA 92059 Cupeno
sgaughen@palatribe.com
(760) 891-3500
(760) 742-1411 Fax

Morongo Band of Mission Indians
Michael Contreras, Cultural Heritage Prog.
12700 Pumarra Road Cahulla
Banning , CA 92220 Serrano
(951) 201-1866 - cell
mcontreras@morongo-nsn.gov
(951) 922-0105 Fax

Pechanga Band of Mission Indians
Paul Macarro, Cultural Resource Center
P.O. Box 1477 Luiseno
Temecula , CA 92593
(951) 770-8100
pmacarro@pechanga-nsn.gov
(951) 506-9491 Fax

Pechanga Band of Mission Indians
Mark Macarro, Chairperson
P.O. Box 1477 Luiseno
Temecula , CA 92593
tbrown@pechanga-nsn.gov
(951) 770-8100
(951) 695-1778 Fax

Ramona Band of Cahulla Mission Indians
Joseph Hamilton, Chairman
P.O. Box 391670 Cahulla
Anza , CA 92539
admin@ramonatribe.com
(951) 763-4105
(951) 763-4325 Fax

Willie J. Pink
48310 Pechanga Road Luiseno
Temecula , CA 92592
wjpink@hotmail.com
(909) 936-1216
Prefers e-mail contact

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 6097.99 of the Public Resources Code. Also, federal National Environmental Policy Act (NEPA), National Historic Preservation Act, Section 106 and federal NAHPRA. And 38 CFR Part 800.

This list is only applicable for contacting local Native Americans for consultation purposes with regard to cultural resources impact by the proposed Norco MDP Lateral N-1D, Stage I and Norco - Sprint Kneff Court Storm Drain, Stage I, Project Nos. 2-0-0085-81 and 2-0-0084-01; located in the Norco area; Riverside County, California for which a Sacred Lands File search and Native American Contacts list were requested.

01/31/2011 10:41 FAX 915 657 5580

NABC

004/004

Native American Contacts
Riverside County
February 1, 2011

Cahuilla Band of Indians
Luther Salgado, Sr., Chairperson
PO Box 391760 Cahuilla
Anza, CA 92539
tribalcouncil@cahuilla.net
915-763-5549

Anna Hoover, Cultural Analyst
Pechanga Cultural Resources Department
P.O. Box 2183 Luiseno
Temecula, CA 92593
ahoover@pechanga-nsn.gov
951-770-8100
(951) 694-0446 - FAX

Ernest H. Siva
Morongo Band of Mission Indians Tribal Elder
9570 Mias Canyon Road Serrano
Banning, CA 92220 Cahuilla
siva@dishmail.com
(951) 849-4676

Joseph Ontiveros, Cultural Resource Department
SOBOBA BAND OF LUISENO INDIANS
P.O. BOX 487 Luiseno
San Jacinto, CA 92581
jontiveros@soboba-msn.gov
(951) 663-5279
(951) 654-5544, ext 4137

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.54 of the Public Resources Code and Section 5097.98 of the Public Resources Code. Also, federal National Environmental Policy Act (NEPA), National Historic Preservation Act, Section 106 and federal NAGPRA. And 36 CFR Part 800.

This list is only applicable for contacting local Native Americans for consultation purposes with regard to cultural resources impacted by the proposed Norco MDP Lateral N-10, Stage I and Norco - Sprint Knoll Court Storm Drain, Stage I, Project Nos. 2-0-00083-01 and 2-0-00084-01; located in the Norco area; Riverside County, California for which a Sacred Lands File search and Native American Contacts list were requested.

Native American Heritage Commission Response

District Response: As described in Section Vb) of the Initial Study, the Native American Heritage Commission (NAHC) was contacted in regards to the Sacred Lands Inventory to determine whether any known cultural properties are present within or adjacent to the project area. The NAHC responded that no Native American cultural resources are known to exist within or adjacent to the project area. As recommended by the NAHC, the District has contacted all the nearest Native American tribes and requested any information they have regarding Native American cultural resources within the project area. Applicable recommendations from the tribes will be incorporated into the final construction specifications. The recommended mitigation measures in Section V of the Initial Study will provide a means to adequately protect and evaluate any unknown cultural resources should they be accidentally uncovered during construction. Potential adverse impacts to cultural resources will remain below a level of significance.

EASTERN INFORMATION CENTER
CALIFORNIA HISTORICAL RESOURCES INFORMATION SYSTEM
Department of Anthropology, University of California, Riverside, CA 92521-0418
(951) 827-5745 - Fax (951) 827-5409 - eickw@ucr.edu
Inyo, Mono, and Riverside Counties

January 24, 2011
EIC-RIV-ST-1274

Kris Flanigan
Riverside County Flood Control
and Water Conservation District
1995 Market Street
Riverside, CA 92501

Re: Cultural Resources Records Search for the Norco MDP Lateral N-1D, Stage 1
and Norco-Spirit Knoll Court Storm Drain, Stage 1 Project (Project Nos. 2-0-
00083-01 and 2-000084-01)

Dear Mr. Flanigan,

We received your request on January 21, 2011, for a cultural resources records search for the Norco MDP Lateral N-1D, Stage 1 and Norco-Spirit Knoll Court Storm Drain project, located in Sections 5 and 6, T.3S, R.6W, SBBM, in the Norco area in Riverside County. We have reviewed our maps, records, and reports against the project area defined on the map you provided.

Our information indicates that no cultural resources properties have been recorded within the boundaries of the project area, and that the project area has not been examined for cultural resources.

Additional sources of information consulted are identified below.

National Register of Historic Places (NRHP): no listed properties are located within the boundaries of the project area.

California Office of Historic Preservation (OHP), Archaeological Determinations of Eligibility (ADOE): no listed sites are located within the boundaries of the project area.

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RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

Kris Flanigan
January 24, 2011
Page 2

California Office of Historic Preservation (OHP), Historic Property Directory (HPD): no listed properties are located within the boundaries of the project area.

Note: not all properties in the California Historical Resources Information System are listed in the OHP ADOE and HPD; the ADOE and HPD comprise lists of properties submitted to the OHP for review.

The 1947 USGS Corona 15' topographic map does indicate the presence of possible historical structures or features within the boundaries of the project area.

Based on the information reviewed, cultural resources may be present within the boundaries of the project area. The property has never been surveyed for cultural resources, therefore, it is recommended that the project area be surveyed systematically by a cultural resources professional to identify all cultural resources and provide recommendations regarding their significance and management prior to any development of the property. A statewide list of cultural resources consultants can be found online at <http://chrisinfo.org>.

Sincerely,



Michael P. Loyd
Information Officer

Enclosure

Eastern Information Center Response

District Response: The Eastern Information Center (EIC) cultural search indicated there are no cultural resources records within the boundaries of the project area, the project area has not been examined for cultural resources, and recommends that the project area be surveyed by a cultural resources professional. As described in the Initial Study; the proposed project is located within existing street right of way and consists of previously disturbed streets and existing underground utilities. Therefore, the District believes a site survey is not necessary for the project area; and the mitigation measures in Section V of the Initial Study will provide a means to adequately protect and evaluate any unknown cultural resources should they be accidentally uncovered during construction. Potential adverse impacts to cultural resources will remain below a level of significance.



Ph: (760) 891-3591
Fax: (760) 742-4543

PALA BAND OF MISSION INDIANS
Tribal Historic Preservation Office
35008 Pala Temecula Rd. PMB 445
Pala, CA 92059

RECEIVED
FEB 28 2011

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

February 22, 2011

Kris Flanigan
Riverside County Flood Control and Water Conservation District
1995 Market Street
Riverside, CA 92501

Re: Norco MDP Lateral N-1D, Stage 1 and Norco- Spirit Knoll Court Storm Drain, Stage 1- Project Nos. 2-0-00083 & 2-0-00084-01

Dear Ms. Flanigan,

The Pala Band of Mission Indians Tribal Historic Preservation Office has received your notification of the project referenced above. This letter constitutes our response on behalf of Robert Smith, Tribal Chairman.

We have consulted our maps and determined that the project as described is not within the boundaries of the recognized Pala Indian Reservation. The project is also beyond the boundaries of the territory that the tribe considers its Traditional Use Area (TUA). Therefore, we have no objection to the continuation of project activities as currently planned and we defer to the wishes of Tribes in closer proximity to the project area.

We appreciate involvement with your initiative and look forward to working with you on future efforts. If you have questions or need additional information, please do not hesitate to contact me by telephone at 760-891-3515 or by e-mail at sgaughen@palatribe.com.

Sincerely,

Shasta C. Gaughen, MA
Tribal Historic Preservation Officer
Pala Band of Mission Indians

ATTENTION: THE PALA TRIBAL HISTORIC PRESERVATION OFFICE IS RESPONSIBLE FOR ALL REQUESTS FOR CONSULTATION. PLEASE ADDRESS CORRESPONDENCE TO SHASTA C. GAUGHEN AT THE ABOVE ADDRESS. IT IS NOT NECESSARY TO ALSO SEND NOTICES TO PALA TRIBAL CHAIRMAN ROBERT SMITH.

Consultation letter 1

Pala Band of Mission Indians
Response

District Response: Comment noted.

Elhaddad, Hilal

From: Steven Estrada [steven_t_estrada@yahoo.com]
Sent: Friday, March 04, 2011 11:21 AM
To: Elhaddad, Hilal
Cc: Joseph Ontiveros
Subject: Re: Norco MDP Lateral N-1D & Spirit Knoll

Good Morning Mr. Elhaddad,

The Santa Rosa Band of Cahuilla Indians would like to thank you for your consultation efforts in regards to the above mentioned projects. The Band has reviewed your letter and it has been determined that the Band has no specific concerns in regards to cultural resources at this time. However, there may be potential for unknown cultural resources to be found. With this said, the Santa Rosa Band of Cahuilla Indians will defer further consultation to the Soboba Band of Luiseno Indians and their Cultural Resources Department. If you have any further questions please contact Mr. Joseph Ontiveros.

Thank you,
Steven

Steven Estrada
Tribal Council
Santa Rosa Band of Cahuilla Indians
951.658.5311

From: "Elhaddad, Hilal" <haelhaddad@rcflood.org>
To: steven_t_estrada@yahoo.com
Sent: Thu, March 3, 2011 4:18:49 PM
Subject: Norco MDP Lateral N-1D & Spirit Knoll

Mr. Estrada,

I received your information from Kris Flanigan. You wanted to send a response letter regarding the Norco N-1D and Norco Spirit Knoll Project.
Please e-mail me your response letter and I will take care of it.

Regards,

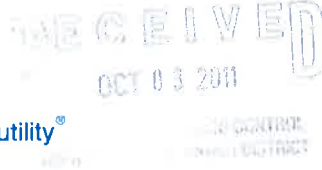
Hilal Elhaddad
Assistant Engineer, ERS Section

Riverside County Flood Control & Water Conservation District
1995 Market Street, Riverside, California 92501
Phone: 951-955-8582 FAX: 951-684-8409

Note: The District offices are closed every Friday.

Santa Rosa Band of Cahuilla Indians
Response

District Response: Comment noted.



Tim Armstrong
Technical Services Biologist
Southern California Gas

1981 W. Lugonia Ave. SC 8064
Redlands, CA 92374

Tel: (909) 335-7752
Fax: (909) 335-3939
Mobile: (818) 305-1996
TArmstrong@semprautilities.com

September 28, 2011

Riverside County Flood Control and Water Conservation District
Attn: Kris Flanigan, Environmental Regulatory Services II
1995 Market Street
Riverside, CA. 92501

Re: Comments to the Norco MDG Lateral N-1D and Norco – Spirit Knoll Court Storm Drain Project, Initial Study and Mitigated Negative Declaration.

Dear Kris Flanigan:

Thank you for the opportunity to comment on the IS/MND prepared for the Norco MDG Lateral N-1D and Norco – Spirit Knoll Court Storm Drain Project. As the largest provider of natural gas in the southern California area, Southern California Gas Company (SCG) has a large infrastructure of gas lines throughout the Norco area. As such, we look forward to working with Riverside County Flood Control and Water Conservation District to ensure existing SCG infrastructure will not conflict with the project.

In an effort to streamline and avoid duplication of environmental permits, we request Riverside County Flood Control and Water Conservation District include SCG in the environmental permitting process for the project, if the analysis requires relocation of SCG facilities within the footprint of the project site. Analysis should include potential impacts upon environmental laws (e.g., USACE, CDFG, RWQCB, and SWPPP) and allow for gas infrastructure to be permitted within the scope of the proposed alignment. SCG welcomes any preliminary drawings and planning activities that will enable the streamlining of the project.

Sincerely,

Tim Armstrong

Southern California Gas Company Response

District Response: Southern California Gas Company has requested the District include the environmental analysis for the relocation of the existing gas infrastructure in the Initial Study/Mitigated Negative Declaration (IS/MND) and for copies of the preliminary drawings for the proposed project. The environmental analysis for the IS/MND includes the relocation activities for the existing gas utilities as part of the proposed project. The request for preliminary plans has been forwarded to the District's Design and Construction Division.