

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

504B



**FROM:** General Manager-Chief Engineer

**SUBMITTAL DATE:**  
October 20, 2009

**SUBJECT:** Public Hearing for Norco MDP Line NA-3 and North Norco Channel Line N-1, Stage 2  
Project Nos. 2-0-00075-01 and 2-0-00143-02

**RECOMMENDED MOTION:**

Adopt Resolution No. F2009-27 which:

1. Finds that the project will not have a significant adverse effect upon the environment;
2. Finds the project is in compliance with the Western Riverside County Multiple Species Habitat Conservation Plan;
3. Adopts a Mitigated Negative Declaration;

Continued on Page 2.

*Warren D. Williams*  
\_\_\_\_\_

AD:mcv  
P8\125404

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

<b>FINANCIAL DATA</b>	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

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

**C.E.O. RECOMMENDATION:** N/A

APPROVE

BY: *Alex Gann*  
Alex Gann

**County Executive Office Signature**

FORM APPROVED COUNTY COUNSEL  
BY: *LARISA R-MCKENNA* DATE: *7/7/09*

Departmental Concurrence

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

**Prev. Agn. Ref.:** | **District:** 2<sup>nd</sup> | **Agenda Number:** 11.4

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

**SUBJECT:** Public Hearing for Norco MDP Line NA-3 and North Norco Channel Line N-1,  
Stage 2  
Project Nos. 2-0-00075-01 and 2-0-00143-02

**SUBMITTAL DATE:** October 20, 2009  
**Page 2**

**RECOMMENDED MOTION** (continued):

4. Approve and authorize the District to proceed with the project; and
5. Directs the Clerk of the Board to deliver the Mitigated Negative Declaration and the Notice of Determination to the Office of the County Clerk and Recorder for filing within 5 working days of this Board hearing.

**BACKGROUND:**

This hearing is in accordance with the requirements of CEQA and Section 18 of the District Act.

P8\125404

1 BOARD OF SUPERVISORS

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

2  
3 RESOLUTION NO. F2009-27  
4 APPROVING THE  
5 NORCO MDP LINE NA-3 AND NORTH NORCO CHANNEL LINE N-1, STAGE 2

6 WHEREAS, on September 1, 2009 the Board adopted Resolution No. F2009-26  
7 pursuant to Section 18 of the District Act giving notice of its intention to construct a project in  
8 Zone 2, within the city of Norco, designated as Norco MDP Line NA-3 and North Norco  
9 Channel Line N-1, Stage 2 and giving further notice that the project would be considered at a  
10 public hearing on October 20, 2009; and

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

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

18 BE IT RESOLVED, DETERMINED AND ORDERED by the Board of  
19 Supervisors of the Riverside County Flood Control and Water Conservation District in regular  
20 session assembled on October 20, 2009 based upon the evidence and testimony presented on  
21 the matter, both written and oral, that:

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

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

FORM APPROVED COUNTY COUNSEL  
BY *Larisa R-Mckenna* DATE 7/27/09  
LARISA R-MCKENNA DATE

1 Pools are seasonal wetlands that occur in depression areas that have wetlands indicators of all  
2 three parameters (soils, vegetation, and hydrology) during the wetter portion of the growing  
3 season. It has been determined that the Project area does not contain any vernal pools and does  
4 not include Riparian/Riverine Area as defined by the MSHCP. In addition, the proposed storm  
5 drain alignment does not contain suitable habitat for least Bell's vireo, Southwestern Willow  
6 Flycatcher, Yellow-breasted chat, or Yellow Warbler. Therefore, no further surveys or  
7 conservation measures are required.

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

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

22           5. The Project is consistent with the Database Updates/Additional Surveys  
23 requirements of the MSHCP. Pursuant to Section 6.3.2 of the MSHCP, habitat assessments  
24 and/or focused surveys for certain additional plant and animal species are required for  
25 properties within mapped survey areas. The survey area maps have been reviewed and the  
26 Project is not within a mapped survey area for the additional plant and animal species.

27           6. The Project is consistent with the Public/Quasi-Public Land provisions  
28 contained in Section 3.2.1 of the MSHCP. Section 3.2.1 describes lands within the MSHCP

1 conservation area including those designated as Public/Quasi-Public (PQP) lands. Section  
2 3.2.1 states that if a Permittee elects to use property currently depicted as PQP Lands in a way  
3 that alters the land use such that it would not contribute to Reserve Assembly, the Permittee  
4 shall locate and acquire or otherwise encumber replacement acreage at a minimum ratio of 1:1.  
5 The Permittee must make findings that the replacement acreage is biologically equivalent or  
6 superior to the existing property. The Project has been reviewed and it has been determined the  
7 Project does not occur within MSHCP-designated PQP conservation lands. Therefore, no  
8 further analysis is required.

9           7. The project will not have a significant adverse effect upon the environment  
10 and a Mitigated Negative Declaration is adopted.

11           8. The project designated as Norco MDP Line NA-3 and North Norco Channel  
12 Line N-1, Stage 2 is approved and the District is hereby authorized to proceed with the project.

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

**MITIGATED NEGATIVE DECLARATION**

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State Clearinghouse Number: 2009071027	Contact Person: Kris Flanigan	Telephone Number: 951.955.8581	Email: kflaniga@rcflood.org
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Lead Agency and Project Sponsor:  
Riverside County Flood Control and Water Conservation District

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Address: 1995 Market Street	City: Riverside	Zip: 92501
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Project Title and Description:  
  
**Norco MDP Line NA-3 and North Norco Channel Line N-1, Stage 2.** The proposed project consists of the construction and maintenance of drainage facilities to alleviate flooding in the city of Norco, County of Riverside.

---

Project Location:  
  
The proposed project is an underground storm drain located within the city of Norco, Riverside County. The alignment for Line NA-3 will be located along Pedley Avenue between 5<sup>th</sup> and 6<sup>th</sup> Streets. The alignment for Line N-1, Stage 2 will be located along 7<sup>th</sup> Street and California Avenue. Both facilities discharge into existing underground storm drains. [USGS "Corona North, California" 7.5 Minute Quadrangle: Township 3 South, Range 6 West, Section 5].

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The General Manager-Chief Engineer of the Riverside County Flood Control and Water Conservation District has made a finding that the proposed Norco MDP Line NA-3 and North Norco Channel Line N-1, Stage 2 project will not have a significant adverse effect on the environment. An Initial Study/Environmental Assessment 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. For mitigation measures refer to attached Appendix "B" Mitigation Monitoring Program Table.

Signature:  Dated: 10-2-09  
WARREN D. WILLIAMS  
General Manager-Chief Engineer

The Board of Supervisors of the Riverside County Flood Control and Water Conservation District, assembled in regular session on October 20, 2009, has determined that the Norco MDP Line NA-3 and North Norco Channel Line N-1, Stage 2 project will not have a significant adverse effect on the environment and has adopted this Mitigated Negative Declaration.

Signature: \_\_\_\_\_ Dated: \_\_\_\_\_  
KECIA HARPER-IHEM  
Clerk of the Board

- Attachments  
Copies to:
- 1) County Clerk
  - 2) Flood Control
  - 3) State Office of Planning and Research  
1400 Tenth Street, Room 121  
Sacramento, California 95814

AD:mcv  
P8\127188

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

**FINAL**

**CEQA INITIAL STUDY**

**NORCO MDP LINE NA-3 and  
NORTH NORCO CHANNEL LINE N-1, STAGE 2**

**ZONE 2**

**September 2009**

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

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- Appendix B: Mitigation Monitoring Program Table**
- Appendix C: Comments from Reviewing Agencies**

**MITIGATED NEGATIVE DECLARATION**

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State Clearinghouse Number: 2009071027	Contact Person: Kris Flanigan	Telephone Number: 951.955.8581	Email: kflaniga@rcflood.org
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Lead Agency and Project Sponsor:  
Riverside County Flood Control and Water Conservation District

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Address: 1995 Market Street	City: Riverside	Zip: 92501
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Project Title and Description:

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Project Location:

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The General Manager-Chief Engineer of the Riverside County Flood Control and Water Conservation District has made a finding that the proposed Norco MDP Line NA-3 and North Norco Channel Line N-1, Stage 2 project will not have a significant adverse effect on the environment. An Initial Study/Environmental Assessment 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. For mitigation measures refer to attached Appendix "B" Mitigation Monitoring Program Table.

Signature:  Dated: 10-2-09  
WARREN D. WILLIAMS  
General Manager-Chief Engineer

The Board of Supervisors of the Riverside County Flood Control and Water Conservation District, assembled in regular session on October 20, 2009, has determined that the Norco MDP Line NA-3 and North Norco Channel Line N-1, Stage 2 project will not have a significant adverse effect on the environment and has adopted this Mitigated Negative Declaration.

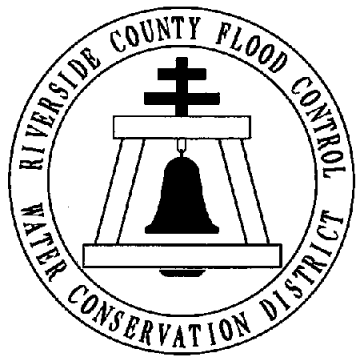
Signature: \_\_\_\_\_ Dated: \_\_\_\_\_  
KECIA HARPER-IHEM  
Clerk of the Board

Attachments

- Copies to:
- 1) County Clerk
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1400 Tenth Street, Room 121  
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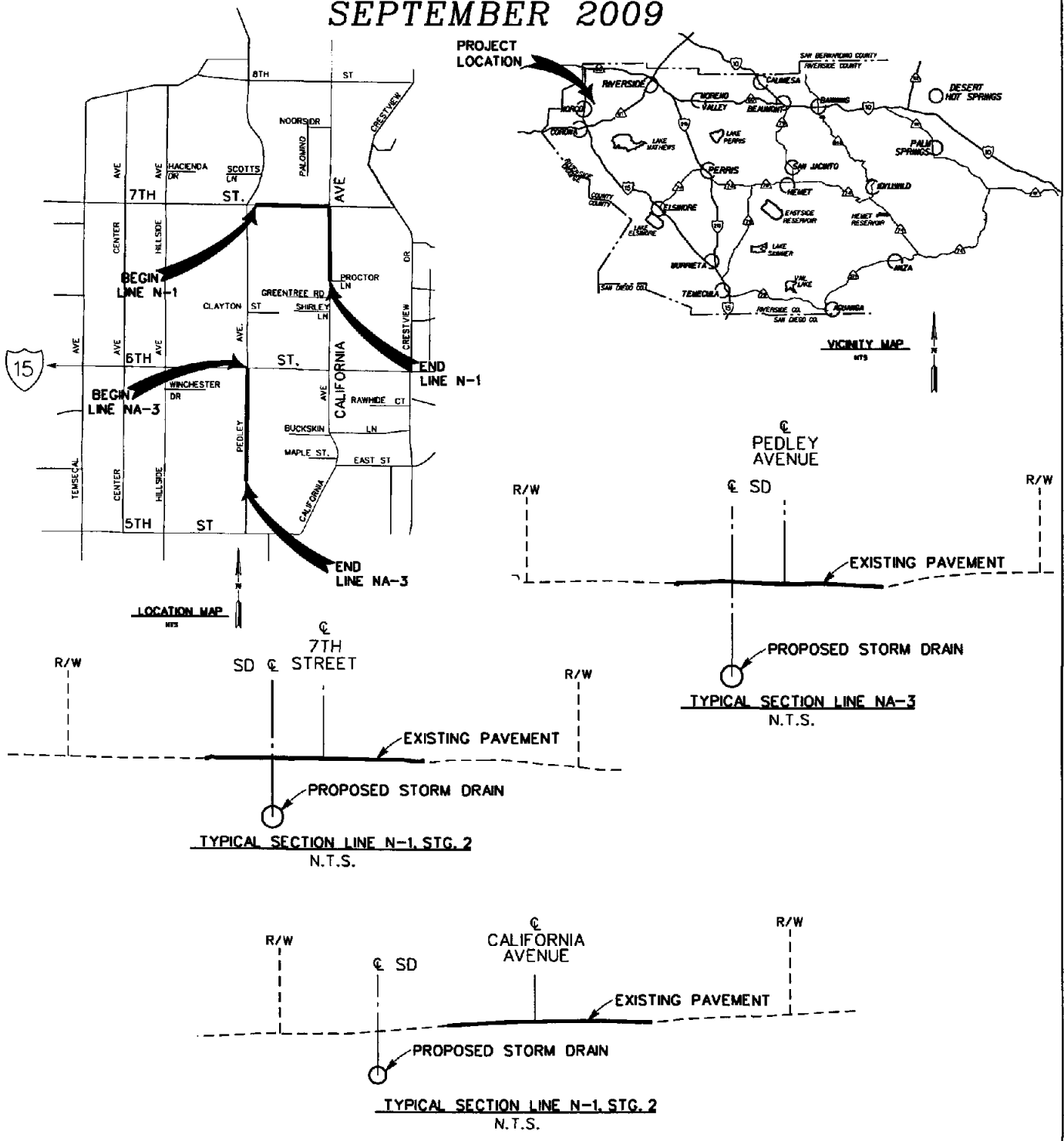
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SECTION 18  
PUBLIC HEARING  
MAP



NORCO MDP LINE NA-3  
PROJECT NO. 2-8-0075  
NORTH NORCO CHANNEL  
LINE N-1, STG. 2  
PROJECT NO. 2-8-0143

SEPTEMBER 2009



## RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

### Initial Study Form

1. **Project title:** Norco MDP Line NA-3, Project No. 2-0-0075 and North Norco Channel Line N-1, Stage 2, Project No. 2-0-0143
2. **Lead agency name and address:** Riverside County Flood Control and Water Conservation District  
1995 Market Street  
Riverside, California 92501
3. **Contact person and phone number:** Kris Flanigan, 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 Line NA-3 will be located along Pedley Avenue between 5<sup>th</sup> and 6<sup>th</sup> Streets. The alignment for Line N-1, Stage 2 will be located along 7<sup>th</sup> Street and California Avenue. Both facilities discharge into existing underground storm drains. [USGS "Corona North, California" 7.5 Minute Quadrangle: Township 3 South, Range 6 West, Section 5 (Figure 2)].
5. **Project sponsor's name and address:** N/A
6. **General plan designation:** The project site is located within the City of Norco General Plan Land Use Map. The land use designations within the project alignment(s) are commercial community (CC) and residential agricultural (RA).
7. **Zoning:** The project site is located within the city of Norco General Plan Zoning Map. The zoning designations within the project alignment(s) are commercial (C-4) and agricultural – low density (A-1-20).
8. **Project Description:** The proposed project consists of the construction and maintenance of flood control facilities to alleviate flooding in the city of Norco. The project was identified in the Norco Master Drainage Plan (MDP) study conducted by the District in 1992. Alternative alignments were considered within the street right of way to minimize impacts to potential sensitive resources. The storm drain alignments are based on existing developments, existing street patterns, hydraulic efficiency, the ability to drain tributary areas and environmental and economic concerns. The design and construction schedules for future phases upstream of the proposed facilities are unknown at this time. Therefore, future phases are not evaluated in this document but will undergo environmental review at a later date.

**Line NA-3:** Line NA-3 will be located within the Pedley Avenue right of way between 6<sup>th</sup> Street and 5<sup>th</sup> Street. The facility consists of a reinforced concrete pipe (RCP) ranging from 24-inch to 42-inch in diameter. The proposed alignment for Line NA-3 will run underground approximately 1,380 feet and stay within the existing 60-foot road right-of-way. The storm drain inlets will consist of standard District catch basins proposed along the future curb and gutter street improvements. This facility will connect to an existing 63-inch storm drain lateral that joins Line NA, Stage 2 and runs westerly along 6<sup>th</sup> Street. Stormwater runoff conveyed by this facility subsequently reaches the North Norco Channel which discharges to Temescal Creek and eventually into the Santa Ana River.

**Line N-1 Stage 2:** Line N-1, Stage 2 will begin at 7<sup>th</sup> Street, at an existing 39-inch mainline (terminus of existing Line N-1, Stage 1) approximately 135 feet east of Pedley Avenue. The proposed facility consists of approximately 2,210 feet of underground reinforced concrete pipe running easterly within 7<sup>th</sup> Street then south on California Avenue. The proposed alignment on 7<sup>th</sup> Street will remain within the street travel way. The proposed alignment running south along California Avenue will travel along the equestrian trail, located on the west side of the street, and will remain within the existing 60-foot road right-of-way.

Pipe size will range from 24-inch to 30-inch RCP. The inlets will consist of standard District catch basins and grate inlets.

- 9. Project Objectives:** During periods of runoff floodwaters, silt, and other debris impact significant portions of the city of Norco causing property damage and leaving streets impassable. Subdivision activity within the plan area has increased substantially within the last several years. As development escalates, the drainage problems of the area compound due to the increase in runoff created by urbanization.

Drainage in the project area emanates from upland slopes and hills located easterly of the project area. The proposed project will be designed to collect and convey the 100-year storm tributary runoff. When implemented, the project will safely convey stormwater through the area and offer valuable flood protection to the surrounding residences and businesses.

- 10. Surrounding land uses and setting:** The project area is fully developed with urban land uses. Figure 3 represents an aerial view of the project site and surrounding land uses. South of 6<sup>th</sup> Street, the Line NA-3 site (Pedley Avenue) is developed with single family homes and a few sporadic commercial sites. Businesses along the Line NA-3 site include a tax service business, a daycare and several horse boarding facilities. Surrounding land uses for the Line N-1 system include private homes, two commercial sites (upholstery shop and feed store) at the intersection of California Avenue and 7<sup>th</sup> Street, and a vacant, undeveloped lot.

Pedley Avenue is a paved two-lane roadway with a dirt equestrian trail along the west side of the street. 7<sup>th</sup> Street is a paved two-lane roadway with a dirt equestrian trail along the south side of the street. An earthen road-side ditch, mostly devoid of vegetation, with corrugated metal pipe driveway culvert crossings, is located along the northerly side of 7<sup>th</sup> Street, and drains into the existing Line N-1 (Stage 1) storm drain system just east of Pedley Avenue. California Avenue is a paved two-lane road with an equestrian trail along the west side of the street. The sandy road shoulders and equestrian trails located along the project alignment are highly disturbed. The project sites are generally flat and vegetation, outside of the traveled way, is limited to ornamental landscaping and ruderal (weedy) species.

- 11. Other public agencies whose approval is required:**

**County/Local Agencies**

*City of Norco (City)* - Approval of construction activities within City maintained roads

**ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:**

The environmental factors checked below would be potentially affected by this project as indicated by the following checklist.

- |  |   |
|--|---|
| <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        | <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 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             |   |

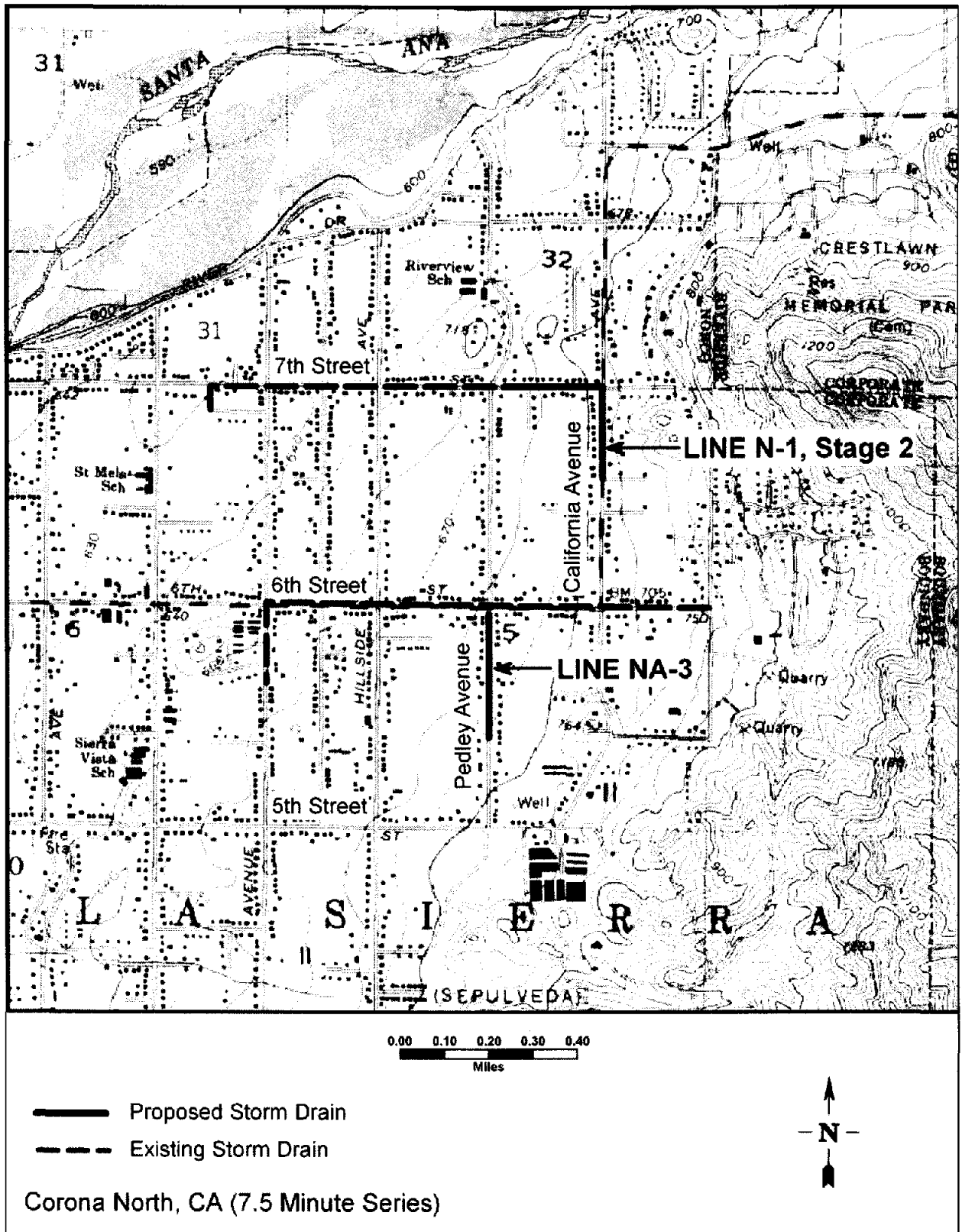


Figure 2 – USGS Map

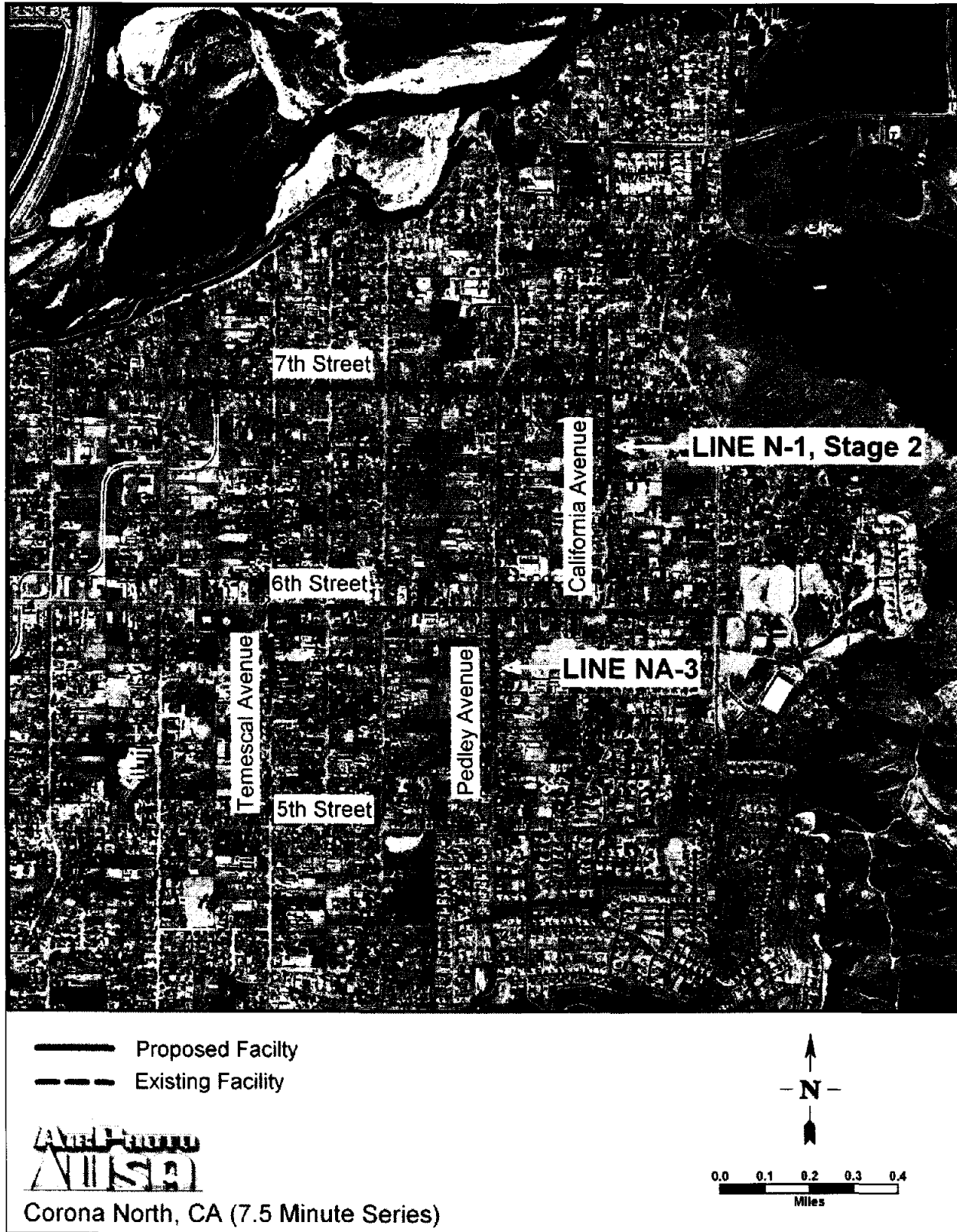


Figure 3 – Aerial View of Project Area



Line NA-3: Pedley Avenue looking north (just north of 5<sup>th</sup> Street)



Line N-1, Stage 2: 7<sup>th</sup> Street looking east (just west of Pedley Avenue)

Figure 4 - Photos of Project Area

## 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 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: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section XVII, "Earlier Analyses", may be cross-referenced).
- 5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). Earlier analyses are discussed below.
  - 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.
- 6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (*e.g., general plans, zoning ordinances*). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated. A source list should be attached and other sources used or individuals contacted should be cited in the discussion.
- 7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
- 8) 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.

	Potentially Significant Unless Mitigation Incorporated	Potentially Significant	Less than Significant Impact	No Impact
Potential Significant Impact				

**ENVIRONMENTAL FACTORS:**

**ENVIRONMENTAL CHECKLIST**

**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"/> |

**Aesthetics Discussion:**

**a) *Would the project have a substantial adverse effect on a scenic vista?***

**No Impact.** The proposed project is located within a low-density residential zoned area, as described and shown 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 a substantial adverse effect on a scenic vista.

Source: Project Design, NGP

**b) *Would the project 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 I (a). Major rock outcroppings, or historic buildings are not located within the proposed project alignment nor is there a State scenic highway located within the project area. The proposed project area does not contain any known scenic resources. There are some large trees along Pedley Avenue and 7<sup>th</sup> Street but they will not be impacted by the proposed project.

Source: Project Design, NGP, Google Earth, Thomas Guide

**c) *Would the project 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 would be affected in the short-term by construction grading. 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, Google Earth, Thomas Guide

	Potentially Significant Unless Mitigation Incorporated	Potentially Significant Less than Significant Impact	No Impact
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**ENVIRONMENTAL FACTORS:**

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

*No Impact.* Flood control facilities typically do 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 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? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**Agricultural Resources Discussion:**

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

*No Impact.* The proposed project site is not located within areas designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance.

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

- b) *Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?*

*No Impact.* Agricultural land uses or Williamson Act lands do not occur within the project area. The proposed underground storm drain system will be constructed within existing road rights-of-way.

Source: Department of Conservation, County GIS, Project Design

	Potentially Significant Unless Mitigation Incorporated	Potentially Significant Less than Significant Impact	No Impact
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**ENVIRONMENTAL FACTORS:**

- c) *Would the project 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: Department of Conservation, County GIS, Project Design

**III. AIR QUALITY.** Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:

- |   |                          |                                     |                                     |                          |
|---|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| a) Conflict with or obstruct implementation of the applicable air quality plan?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| c) Expose sensitive receptors to substantial pollutant concentrations?  | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d) 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)? | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e) Create objectionable odors affecting a substantial number or people?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Air Quality Discussion:**

- a) *Would the project 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), which is classified as a non-attainment area for ozone, nitrogen dioxide and carbon monoxide, three of the six criteria pollutants utilized to determine attainment of National Ambient Air Quality Standards. The South Coast Air Quality Management District (SCAQMD) has jurisdiction over air quality issues within the SCAB and has established the Air Quality Management Plan (AQMP) for the SCAB. In the April 1993 CEQA Air Quality Handbook, the SCAQMD established threshold values of emissions to assist local agencies in determining if proposed projects may result in significant adverse air quality impacts. 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. Accordingly, a project's conformance with the AQMP is determined by demonstration that it is consistent with the local land use plans and/or population projections that were used in the AQMP. California Government Code Section 53091 exempts public water facilities from local zoning regulations. Where no local exemption exists, the State exemption will apply. Since the proposed project is a storm drain that in and of itself will not result in

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**ENVIRONMENTAL FACTORS:**

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, the project does not conflict with or obstruct the implementation of the AQMP. The proposed project is consistent with the AQMP and will not hinder the implementation of its programs.

Source: AQMP, SCAQMD, Section 53091

- b) *Would the project violate any air quality standard or contribute substantially to an existing or projected air quality violation?*

**Potentially Significant Impact 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. Construction activities related to the proposed project consist of excavating, hauling, pipe laying, backfilling, compacting, and paving. Construction emission thresholds as set by the SCAQMD and estimated construction emissions for the proposed project are noted in Table 1.

**Table 1**  
**Air Quality Impacts**

Air Pollutant	SCAQMD Significance Criteria for Construction (lbs/day)	Project Estimated Construction Emissions (lbs/day)
Nitrogen Oxides	100	77
Reactive Organic Compounds	75	11
Sulfur Oxides	150	1
Carbon Monoxide	550	45
PM10	150	7
PM2.5	55	5

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 Line NA-3 and Line N-1, Stage 2 would occur simultaneously over a 2 month period resulting in the most significant air quality impact. It was also assumed that the total disturbance area would be 1.96 acres and that 4,084 cubic yards of soil would be exported. The equipment to be used during the construction was assumed to consist of one concrete saw, two excavators, six trucks, paving equipment, two rollers, two rubber tired loaders, two loaders or backhoes and two signal boards. 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 1, 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 cause or contribute to regional or cumulative air quality impacts, the project will comply with SCAQMD Rule 403 regarding the implementation of appropriate

**ENVIRONMENTAL FACTORS:**

fugitive dust control measures and the following mitigation measure will be implemented to ensure compliance with SCAQMD Rule 403:

**MM III-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, CARB, SCAQMD, URBEMIS

**c) *Would the project 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. Residences and a day care facility are located in the project area. They 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 III-1 will reduce potential impacts associated with this issue to a less than significant level.

Source: SCAQMD

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

***Less than Significant Impact.*** As mentioned previously in response III (a), the SCAB is a non-attainment area for several criteria pollutants. Although the URBEMIS modeling software does not estimate ozone emissions, NOx and ROG are considered precursors to ozone formation. According to Table 1 above, NOx, CO and ROG emissions will remain below daily emissions thresholds and, therefore, will not cause a cumulatively considerable net increase of any criteria pollutant.

Source: Project Design, CARB, SCAQMD, URBEMIS

**e) *Would the project create objectionable odors affecting a substantial number of people?***

***Less than Significant Impact.*** Construction and maintenance activities may produce odors associated with the operation of heavy equipment; however, perception of any odors would be short-term in nature and not considered a significant impact.

Source: Project Design

	Potentially Significant Unless Mitigation Incorporated	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**ENVIRONMENTAL FACTORS:**

**IV. BIOLOGICAL RESOURCES.** Would the project:

- |  |                          |                          |                                     |                                     |
|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, 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 federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filing, hydrological interruption, or other means?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

**Biological Resources Discussion:**

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

***Less than Significant Impact.*** The proposed underground storm drain project will be constructed within street right of way, adjacent to urbanized/disturbed lands. The District reviewed the most recent records of the California Natural Diversity Database (CNDDB) and the California Native Plant Society Electronic Inventory of Rare and Endangered Vascular Plants of California (CNPSEI) for reported occurrences of federal or State listed endangered species, California special concern species, or otherwise sensitive species or habitats that may occur in or near the project area.

	Potentially Significant Unless Mitigation Incorporated	Potentially Significant Less than Significant Impact	No Impact
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**ENVIRONMENTAL FACTORS:**

The database review shows that several sensitive species have the potential to occur within the project area. The District conducted a general field reconnaissance of the site on December 22, 2008 to determine the presence/absence of the sensitive species as well as to determine the quality of the habitat on-site. 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 equestrian trails, 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 Riverside County Integrated Plan (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 such as Burrowing Owl, Narrow Endemics and Criteria Area plant species.

Source: CNDDDB, CNPSEI, MSHCP

- b) *Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or the U.S. Fish and Wildlife Service?*

**No Impact.** 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, the California Department of Fish and Game and the Regional Water Quality Control Board. 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.

Source: GIS

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

**No Impact.** Wetlands do not currently exist on the project site. Inlets for the Line N-1, Stage 2 project would eliminate a very small stretch (approximately 28 feet) of an artificially fed depression (roadside ditch) along 7<sup>th</sup> Street. Vegetation within the drainage ditch is very sparse and limited to ruderal (weedy) species. In general, geographical features such as roadside ditches excavated wholly in and draining only uplands and that do not carry a relatively permanent flow of water are not considered jurisdictional. The roadside ditch along 7<sup>th</sup> Street does not meet the definition of WUS and is considered isolated for purposes of Corps jurisdiction (see Figure 4). Refer to response IV (b) above.

Source: GIS

	Potentially Significant Unless Mitigation Incorporated	Potentially Significant Less than Significant Impact	No Impact
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**ENVIRONMENTAL FACTORS:**

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

***No Impact.*** The proposed underground storm drain project will be constructed within road right of way. Two storm drain inlets are proposed within a road-side ditch to collect storm runoff. Due to their small size and reach, the inlet structures are not expected to interfere with the movement of any native resident or migratory fish or wildlife species. Please refer to response IV (a) and IV (c) above.

Source: Project Design

- e) ***Would the project conflict with any local policies or ordinance 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.

Source: Project Design, NGP

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

***No Impact.*** The project does not conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan.

On June 17, 2003, the Riverside County Board of Supervisors adopted the Western Riverside County Multiple Species Habitat Conservation Plan (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 proposed project is not located within Public/Quasi-Public (P/QP) Lands as designated in the MSHCP.

The proposed project is not located within a Criteria Area as established by the MSHCP. The proposed project area is not located in habitat assessment areas identified in the MSHCP and it lacks suitable habitat for species listed in Sections 6.1.2 (Protection of Species Associated with Riparian/Riverine Areas and Venal Pools) and 6.1.3 (Protection of Narrow Endemic Species) of the MSHCP. Furthermore, the proposed project is not located within additional survey areas identified in Section 6.3.2 of the MSHCP. The project is not located in proximity to the MSHCP conservation area as described in Section 6.1.4 (Guidelines Pertaining to the Urban/Wildlife Interface) of the MSHCP, and is therefore not subject to the guidelines in this section. Also refer to response IV (a).

The District shall implement applicable provisions of Section 7.5.3 Construction Guidelines and Appendix C Standard Best Management Practices in compliance with the MSHCP. Additionally, Section 13.4 of the MSHCP Implementing Agreement requires the District to pay a mitigation fee to RCA equal to 3% of the project's capital cost. Thus, the proposed project is consistent with the MSHCP.

Source: MSHCP

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

**ENVIRONMENTAL FACTORS:**

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

**Cultural Resources Discussion:**

- a) *Would the project cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5?*

**Potentially Significant Impact Unless Mitigated.** It is unlikely that any historical resources will be impacted during construction. According to Figure OS-7 of the Riverside County General Plan, the project site is not marked as a historical resource site. Additionally, the proposed storm drain project is located within existing street right of way. 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, the 1947 USGS Corona 15' topographic map does indicate the presence of possible historic structures or features within the boundaries of the project area. To ensure that potential impacts to historical resources are avoided or reduced to a less than significant level, the following mitigation measure will be incorporated into the proposed project:

**MM V-1** 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

- b) *Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?*

**Less Than Significant Impact.** It is unlikely that any archaeological resources will be impacted during construction. According to Figure OS-7 of the Riverside County General Plan, the project site is not marked as a sensitive archaeological resource site. Additionally, a record search by the Eastern Information Center failed to indicate the presence of any archaeological resources within the project area. Despite the absence of known resources, the potential exists for discovery of unknown archeological resources during soil disturbance. Refer to V (a) above.

	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
Potential Significant Impact			

**ENVIRONMENTAL FACTORS:**

Source: Project Design, RCIP, EIC

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

***Potentially Significant Unless Mitigation Incorporated.*** According to Figure OS-8 of the Riverside County General Plan, portions of the project area are within areas of high potential for finding paleontological resources. 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 V-2**      **If any paleontological resources are exposed during ground excavation disturbance, ground disturbance activities in the vicinity of the discovery will be terminated immediately and a qualified paleontological resources specialist will evaluate the resources. Any discovered paleontological resources that merit long-term consideration, shall be collected and reported in accordance with standard archaeological management requirements.**

Source: Project Design, RCIP, EIC

**d) *Would the project disturb any human remains, including those interred outside of formal cemeteries?***

***Potentially Significant Impact Unless Mitigated.*** 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, the following mitigation measures will be incorporated into the project to ensure that impacts remain less than significant.

**MM V-3**      **Per State Health and Safety Code 7050.5, if human remains are encountered during construction, no further disturbance shall occur 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 historic, but prehistoric, the Native American Heritage Commission (NAHC) must be contacted to determine the most likely descendent for this area. Once the most likely descendent is determined treatment of the Native American human remains will proceed pursuant to Public Resources 5097.98. The NAHC may become involved with decisions concerning the disposition of the remains.**

Source: Project Design, NAHC, Google Earth

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Incorporated      Less than  
Significant  
Impact      No Impact

**ENVIRONMENTAL FACTORS:**

**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), 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 the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal or wastewater?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

**Geology and Soils Discussion:**

- a) *Would the project 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, the project site is not located within or near a currently delineated State of California Alquist-Priolo Earthquake Fault

	Potentially Significant		
Potential Significant Impact	Unless Mitigation Incorporated	Less than Significant Impact	No Impact

**ENVIRONMENTAL FACTORS:**

Zone. In addition, Figure S-1 of the Riverside County General Plan does not show any known faults mapped within the project area.

Source: RCIP, GIS, CGS

**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 have a significant impact on people or structures due to seismic ground shaking.

Source: RCIP, GIS, CGS

**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 located within an area of "high" susceptibility for liquefaction due to the shallow depth to groundwater within the area. However, the proposed project is a storm drain facility located within existing street rights-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 have a significant impact on people or structures due to seismic-related ground failure.

Source: 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 create a risk of landslides or mudflows, nor would it be subject to hazards of landslides and mudflows.

Source: RCIP

**b) *Would the project 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 proposed project will reduce erosion and the loss of topsoil by providing an adequate drainage conduit to convey stormwater runoff. During construction, cleared areas will be subject to erosion but any potential adverse impacts will be minimized by preparing and implementing a project specific Stormwater Pollution Prevention Plan (SWPPP) and complying with the applicable provisions of the National Pollutant Discharge Elimination System (NPDES) Municipal Permit for Stormwater Discharges Associated with Construction Activity (Construction Activity General

	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
Potential Significant Impact			

**ENVIRONMENTAL FACTORS:**

Permit). Compliance with the existing NPDES Municipal Separate Storm Sewer System permit issued by the Santa Ana Regional Water Quality Control Board is also required.

Source: Project Design, NPDES

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

***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. However, the proposed project will be designed and constructed in accordance with the applicable recommendations in the geotechnical analysis prepared for the project. See also response to VI (a).

Source: RCIP

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

***No Impact.*** The proposed project is not located in an area known to have expansive soils. A geotechnical report will be prepared prior to the finalization of the project's design. Recommendations from the report will be incorporated into the design and construction of the project.

Source: SureVoid, NRCS, RCIP

- e) ***Would the project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?***

***No Impact.*** The proposed project consists of the construction and maintenance of a storm drain system. There are no housing units or businesses proposed as part of the project. Therefore, sewer or wastewater disposal facilities would not be required.

Source: Project Design

	<i>Potentially Significant Unless Mitigation Incorporated</i>	<i>Potential Significant Impact</i>	<i>Potentially Significant Unless Mitigation Incorporated</i>	<i>Less than Significant Impact</i>	<i>No Impact</i>
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**ENVIRONMENTAL FACTORS:**

**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 type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?  | <input 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?  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Hazards and Hazardous Materials Discussion:**

- a) *Would the project 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 of the proposed project involves the use of fuel and other petroleum products for construction vehicles and equipment. 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

	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
Potential Significant Impact			

**ENVIRONMENTAL FACTORS:**

construction equipment. Best Management Practices (BMPs) stipulating proper storage of hazardous materials and vehicle fueling will be included in the SWPPP. All transport, handling, use and disposal of substances such as petroleum products, solvents and paints related to operation and maintenance of the flood control facility will comply with all Federal, State and local laws regulating the management and use of hazardous materials.

Source: Project Design

- b) *Would the project 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. See response VII (a).

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.

Source: Project Design

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

**No Impact.** Existing or proposed schools are not located within one-quarter mile of the proposed project site. See response VII (a).

Source: Project Design, Thomas Guide

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

**No Impact.** 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. 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 one mile away from the project site. A review of the Environmental Protection Agency's Enviromapper database indicates that there are a couple of hazardous waste handlers on 6<sup>th</sup> Street, just north of Norco MDP Line NA-3. However, the proposed flood control improvements would not expose the public or the environment to such hazards. No impact would result.

Source: DTSC, SWRCB, EPA

	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
Potential Significant Impact			

**ENVIRONMENTAL FACTORS:**

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

*No Impact.* The project is not located within an airport land use plan or within two miles of a public or public use airport.

Source: Thomas Guide

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

*No Impact.* The project is not located within the vicinity of a private airstrip.

Source: Thomas Guide

- g) *Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?*

*Less than Significant Impact.* According to the Riverside County General Plan, an adopted emergency response plan or emergency plan does not exist within the proposed project area. The Traffic Control Plan prepared for the project will ensure that temporary construction impacts will not significantly interfere or impair traffic flow or 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

- h) *Would the project 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 Figure S-11 in the Riverside County General Plan, the plan area is not subject to wildland fire hazards and the easterly hillsides have low susceptibility. The proposed storm drain system would not expose people or structures to an increased risk of wildfire beyond current conditions.

Source: RCIP

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**ENVIRONMENTAL FACTORS:**

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

- |   |                          |                          |                                     |                                     |
|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Violate any water quality standards or waste discharge requirements?   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b) Substantially degrade water quality, result in substantial discharges of typical storm water pollutants ( <i>e.g. sediment from construction activities, hydrocarbons, and metals from motor vehicles, nutrients and pesticides from landscape maintenance activities, metals of other pollutants from industrial operation,</i> ) or substantial changes to surface water quality including, but not limited to, temperature, dissolved oxygen, pH, or turbidity? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level ( <i>e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted</i> )?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 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 or provide substantial additional sources of polluted runoff?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| g) Place housing within a 100-year flood hazard area as mapped on a 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"/> |

Potential Significant Impact      Potentially Significant Unless Mitigation Incorporated      Less than Significant Impact      No Impact

**ENVIRONMENTAL FACTORS:**

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

**Hydrology and Water Quality Discussion:**

- a) *Would the project violate any water quality standards or waste discharge requirements?*

**Less than Significant.** The Water Quality Control Plan (Basin Plan) for the Santa Ana River Basin was adopted by the SARWQCB in 1994. The Basin Plan establishes beneficial uses and water quality objectives for waters in the Santa Ana Region. In general, beneficial uses include all past, present and potential uses of waters for the benefit of people and/or wildlife. The Basin Plan includes an implementation plan describing the actions by the Regional Board and others that are necessary to achieve and maintain the water quality standards. Table 2 shows the beneficial uses for receiving waters near the project, as identified in the Basin Plan.

Table 2  
Receiving Waters and Beneficial Use Designations

Receiving Waters	303(d) List Impairments	Designated Beneficial Uses	Proximity to RARE Beneficial Uses
North Norco Channel	None	Not Listed	Temescal Creek - Reach 1, 3 miles
Temescal Creek - Reach 1	None	MUN, REC1, REC2, WARM, WILD	Santa Ana River, 2 miles
Santa Ana River - Reach 3	Pathogens	MUN, AGR, GWR, REC1, REC2, WARM, WILD, RARE, SPWN	Santa Ana River
<p><b>Beneficial Use Designations:</b></p> <p>MUN: municipal and domestic supply  WARM: warm freshwater aquatic habitat  REC1: body contact recreation  REC2: non-body contact recreation  WILD: wildlife habitat  AGR: agricultural supply  GWR: groundwater recharge</p> <p>RARE: waters support habitats necessary for the survival and successful maintenance of plant or animal species designated under state or federal laws as rare, threatened or endangered.  SPWN: waters supports high quality aquatic habitats necessary for reproduction and early development of fish and wildlife.</p> <p>Source: Santa Ana River Basin Plan (SARWQCB 1995); 2006 CWA Section 303(d) List of Water Quality Limited Segments (approved by SWRCB October 25, 2006)</p>			

Under Section 303(d) of the 1972 Clean Water Act, states are required to develop a list of water quality limited segments. The Santa Ana River, Reach 3 does not meet water quality standards for pathogens, even after point sources of pollution have installed the minimum required levels of pollution control technology.

	Potentially Significant Unless Mitigation Incorporated	Potentially Significant Less than Significant Impact	No Impact
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**ENVIRONMENTAL FACTORS:**

Implementation of the proposed project will result in the construction, operation and maintenance of a storm drain system. The project area does not discharge directly to a water body listed on the 303(d) list (see Table 2). The proposed storm drain will outlet into existing District storm drains - Line NA-3 to Line NA on Pedley Avenue, and Line N-1, Stage 2 to Line N-1, Stage 1 on 7<sup>th</sup> Street. The proposed project will not create new sources of stormwater pollution. The storm drain is designed to collect and convey stormwater runoff emanating from the surrounding developed areas. This runoff is expected to contain various stormwater pollutants in amounts that are typically found in stormwater runoff emanating from urbanized areas.

The proposed project will not change the existing or proposed land-use of the surrounding area, therefore, the type and amount of typical stormwater pollutants in the runoff discharged by the project is not expected to vary significantly from the existing condition. It is anticipated that the proposed project will provide some measure of incidental water quality benefit by conveying stormwater within the storm drain system rather than allowing stormwater to sheet flow through residences, streets, equestrian trails, and other urbanized areas.

The discharge of pollutants will be further minimized through the ongoing implementation of the District's and County of Riverside's compliance programs under the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) permit issued by the California Regional Water Quality Control Board, Santa Ana Region (Permit R8-2002-0011). The MS4 permit requires that the District, County and other municipalities implement a broad range of BMPs to reduce the discharge of stormwater pollutants to the maximum extent practicable. These BMPs are specified in each permittee's Stormwater Management Plan.

The District will file a Notice of Intent with the RWQCB and prepare/implement a Storm Water Pollution Prevention Plan (SWPPP) with BMPs incorporated to minimize water quality impacts. The District will model the SWPPP after the WQMP and Section A of the State Construction General Permit. The District will prepare a SWPPP containing a visual monitoring program, as well as a chemical monitoring program for "non-visible" pollutants to be implemented if there is a failure of BMPs.

The potential short-term discharge of stormwater pollutants during construction activities will be minimized to an insignificant level through the implementation of the BMPs stipulated in the SWPPP [see also, VI (b) and VII (a)].

Source: Project Design, Basin Plan, NPDES, SWRCB

- b) *Would the project substantially degrade water quality or result in substantial discharges of typical storm water 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.* Refer to response VIII (a) above.

Source: Project Design

- c) *Would the project 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 a 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)?*

	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
Potential Significant Impact			

**ENVIRONMENTAL FACTORS:**

**No Impact.** The proposed project will not result in the withdrawal or use of groundwater. The proposed project consists of an underground drainage system that will convey stormwater flow from the project area and outlet into the Temescal Wash where it will allow for some recharge of groundwater. Thus, the project will not interfere with groundwater recharge or deplete groundwater supplies.

Source: Project Design

- d) ***Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on or offsite?***

**No Impact.** The project will not alter any stream course or river. The proposed project lies within an area that is already developed and the project does not alter 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 a storm drain system that will outlet into existing District facilities with sufficient capacity to convey the runoff from the proposed project.

Source: Project Design

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

**Less Than Significant Impact.** The proposed project consists of the construction, operation and maintenance of an underground storm drain system located within road rights-of-way. The proposed storm drain system will safely collect and convey storm water runoff through the project area and discharge to the existing downstream watercourse, maintaining existing drainage patterns. Therefore, the potential for onsite and offsite flooding will be reduced. See response VIII (d) above.

Source: Project Design

- f) ***Would the project create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?***

**No Impact.** The proposed storm drains will not modify existing land-use. Therefore, the project will not create or contribute new sources of stormwater runoff or polluted runoff. The proposed storm drains will outlet into existing storm drains in Pedley Avenue (North Norco Channel Line NA, Stage 2) and 7<sup>th</sup> Street (North Norco Channel Line N-1, Stage 1) which have adequate capacities.

Source: Project Design

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

**No Impact.** The proposed project will not place housing within a 100-year flood hazard area. The proposed facilities will reduce the exposure of people and property to local flood hazards.

Source: Project Design

	Potentially Significant Impact	Unless Mitigation Incorporated	Potentially Significant Impact	Less than Significant Impact	No Impact
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**ENVIRONMENTAL FACTORS:**

- h) *Would the project 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 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. The proposed facilities will reduce the exposure of people and property to local flood hazards.

Source: Project Design

- i) *Would the project 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 drainage facilities will not expose people or structures to a significant risk involving flooding. Conversely, the project will increase the existing level of flood protection for nearby development.

Source: Project Design

- j) *Would the project 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. The proposed flood control facility will not increase the potential for mudflows.

Source: Project Design

**IX. LAND USE PLANNING.** Would the project:

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Physically divide an established community?  | <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"/> |
| c) Conflict with any applicable habitat conservation plan or natural community conservation plan?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**Land Use Planning Discussion:**

- a) *Would the project physically divide an established community?***

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

	Potentially Significant Unless Mitigation Incorporated	Potentially Significant Less than Significant Impact	No Impact
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**ENVIRONMENTAL FACTORS:**

Source: Project Design

- b) *Would the project 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 project area lies within an area that is designated low density residential in the City of Norco General Plan and the proposed project site is located along public roads. Thus, the proposed project will not conflict with any existing land use plans, policies or regulations.

Source: Project Design, NGP

- c) *Would the project conflict with any applicable habitat conservation plan or natural community 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 MSHCP is a comprehensive, multi-jurisdictional habitat conservation plan focusing on the conservation of species and their associated habitats in Western Riverside County. The proposed project is not located within the Criteria Area or Public/Quasi-Public (P/QP) Lands as designated in the MSHCP. The proposed project is an underground storm drain facility located within existing street rights-of-way. Based on field reconnaissance, the proposed project area does not contain riparian/riverine areas or vernal pools as defined in Section 6.1.2 of the MSHCP. The project is not located adjacent to conservation area or within a mapped survey area for Narrow Endemic Plant Species or Burrowing Owl. Additionally, the District will contribute mitigation fee in accordance with Section 13.4 of the Implementation Agreement. Thus, the proposed project is consistent with the MSHCP. Also refer to response IV (a).

Source: Project Design, MSHCP

**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"/> |
| b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**Mineral Resources Discussion:**

- a) *Would the project 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

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

**ENVIRONMENTAL FACTORS:**

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 existing street right-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.

Source: RCIP

- b) ***Would the project 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 project site is not within a delineated mineral resource recovery area.

Source: RCIP

**XI. NOISE.** Would the project result in:

- |   |                          |                                     |                                     |                                     |
|---|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b) Exposure of persons to or generation of excessive ground-borne vibration or ground-borne noise levels?   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?  | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels? | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?  | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

**ENVIRONMENTAL FACTORS:**

**Noise Discussion:**

- a) *Would the project result in 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?*

*Less Than Significant Impact.* The proposed flood control project will not create long-term sources of noise. Temporary noise related to construction activities is discussed below.

Source: Project Design

- b) *Would the project result in exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?*

*Potentially Significant Impact 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 City of Norco Municipal Code and incorporate the following measures:

**MM XI-1      Heavy equipment use that may impact adjacent residential structures shall be limited from 7 a.m. to 7 p.m. Monday through Friday, except under special circumstances approved by the District.**

**MM XI-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 residents. 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, NMC

- c) *Would the project result in 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.

Source: Project Design

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

	<i>Potentially Significant Unless Mitigation Incorporated</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant Impact</i>	<i>No Impact</i>
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**ENVIRONMENTAL FACTORS:**

***Potentially Significant Impact Unless Mitigation Incorporated.*** Refer to response XI (b).

Source: Project Design

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

***No Impact.*** 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, Thomas Guide

- 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, Thomas Guide

**XII. POPULATION AND HOUSING.** Would the project:

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Induce substantial population growth in an area, either directly ( <i>for example, by proposing new homes and businesses</i> ) or indirectly ( <i>for example, through extension of roads or other infrastructure</i> )? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**Population and Housing Discussion:**

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

***No Impact.*** The proposed storm drains will provide improved flood protection to an area that, for the most part, is already developed. The proposed project 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 City.

Source: Project Design

Potentially  
Significant  
Unless  
Mitigation  
Incorporated

Less than  
Significant  
Impact

No Impact

**ENVIRONMENTAL FACTORS:**

- b) *Would the project displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?*

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

Source: Project Design

- c) *Would the project 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.

Source: Project Design

**XIII. PUBLIC SERVICES.** Would the project:

- 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:

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| i) Fire protection?                                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| ii) Police protection?                                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| iii) Schools?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| iv) Parks?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| v) Maintenance of public facilities, including roads? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| vi) Other governmental facilities?                    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**Public Services Discussion:**

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

- i. *Fire protection*

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

	<i>Potentially Significant Impact</i>	<i>Potentially Significant Unless Mitigation Incorporated</i>	<i>Less than Significant Impact</i>	<i>No Impact</i>
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**ENVIRONMENTAL FACTORS:**

ii. ***Police protection?***

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

iii. ***Schools?***

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

iv. ***Parks?***

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

v. ***Maintenance of public facilities, including roads?***

***No Impact.*** 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.

vi. ***Other governmental facilities?***

***No Impact.*** No additional governmental facilities will be impacted by the proposed project.

Source: Project Design

**XIV. RECREATION.**

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

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?

**Recreation Discussion:**

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

***No Impact.*** The proposed project would not impact or increase the use of recreational facilities, neighborhood parks or regional parks.

Source: Project Design

*Potentially Significant Unless Mitigation Incorporated*     *Less than Significant Impact*     *No Impact*

**ENVIRONMENTAL FACTORS:**

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

*No Impact.* The proposed project does not require the construction or expansion of recreational facilities.

Source: Project Design

**XV. TRANSPORTATION AND TRAFFIC.** Would the project:

- |   |                          |                                     |                                     |                                     |
|---|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| a) Cause an increase in traffic, which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)? | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?  | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?  | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| d) Result in inadequate emergency access?   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| e) Result in inadequate parking capacity?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

**Transportation and Traffic Discussion:**

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

*Less than Significant Impact.* The proposed storm drain system will be constructed within existing roads. Any traffic impacts will be limited to the construction period. Temporary street and lane closures during construction will be coordinated with the City of Norco to ensure that adverse impact to traffic flow is less than significant. Construction workers and other construction related vehicles traveling to the project site may result in a minor increase in traffic volume in the vicinity of the project during the approximate 2-month construction period; however, the minor amount of increased traffic will not substantially change existing levels of traffic.

Source: Project Design

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

	Potentially Significant		
Potential Significant Impact	Unless Mitigation Incorporated	Less than Significant Impact	No Impact

**ENVIRONMENTAL FACTORS:**

***Less than Significant Impact.*** See response XV(a). Although the project would result in temporary increases in short-term and limited construction-related traffic, it would not create a significant impact on traffic volumes or change traffic patterns in such a way as to affect the level of service or vehicle to congestion ratios on local roadways. Impacts would be less than significant.

Source: Project Design

- c) ***Would the project substantially increase hazards due to a design feature (e.g., sharp curves of dangerous intersections) or incompatible uses (e.g., farm equipment)?***

***No Impact.*** The proposed project consists of underground storm drainage facilities that would not increase hazards due to design features or incompatible uses.

Source: Project Design

- d) ***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 will require temporary lane closures of local roads for approximately 4 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 Public Works Department, 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 XV-1      At all times during construction, emergency fire or medical vehicles shall have access through the project site. Additionally, construction equipment or activities must not obstruct or hinder traffic that might be generated during an evacuation.**

Source: Project Design

- e) ***Would the project result in inadequate parking capacity?***

***No Impact.*** The project site is expected to provide sufficient temporary parking areas for construction workers and equipment. The project will not create long-term trip generation requiring parking.

Source: Project Design

	<i>Potentially Significant Unless Mitigation Incorporated</i>	<i>Potentially Significant Unless Mitigation Incorporated</i>	<i>Less than Significant Impact</i>	<i>No Impact</i>
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**ENVIRONMENTAL FACTORS:**

**XVI. UTILITIES AND SERVICE SYSTEMS. Would the project:**

- |   |                          |                          |                                     |                                     |
|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Require or result in the construction or relocation of water or wastewater treatment or transmission facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| b) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?                                     | <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"/>            |

**Utilities and Service Systems Discussion:**

- a) *Would the project require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which would cause significant environmental effects?*

*No Impact.* The proposed project would not require or result in the construction of new water or wastewater facilities or the expansion of existing facilities.

Source: Project Design

- b) *Would the project require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?*

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

Source: Project Design

	Potentially Significant Unless Mitigation Incorporated	Potentially Significant Less than Significant Impact	No Impact
--	--	--	-----------

**ENVIRONMENTAL FACTORS:**

- c) *Would the project 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 short-term water use in order to provide for dust control. Impacts are less than significant.

Source: Project Design

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

**No Impact.** The proposed project would not generate wastewater. No new wastewater facilities are required as a result of the proposed project.

Source: Project Design

- e) *Would the project 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 construction. Construction waste will be limited to trash generated by construction crews plus minimal debris created during the clearing phase. The District estimates that the proposed project would require the removal of 500 tons of construction and demolition (C&D) debris, including asphalt concrete (AC) and aggregate base from roadway demolition. The amount of solid waste generated by construction of the project would not be substantial or interfere with the capacity of nearby landfills.

Source: Project Design

- f) *Would the project 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

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

**ENVIRONMENTAL FACTORS:**

**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 the potential to achieve short-term environmental goals, to the disadvantage of long-term, environmental goals?   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) 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"/> |
| d) Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

## **Mandatory Findings of Significance Discussion:**

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

*Less than Significant Impact.* As demonstrated by this Initial Study, potential impacts to the environment, wildlife species, plant community and cultural resources will not occur, will be less than significant or will be mitigated to a level of insignificance. Refer to Section IV (a).

- b) *Does the project have the potential to achieve short-term environmental goals, to the disadvantage of long-term environmental goals?*

*Less Than Significant Impact.* The proposed project is consistent with the City of Norco General Plan, the Riverside County General Plan, including the Western Riverside County MSHCP, and will not result in significant adverse impacts on long-term environmental goals. Refer to Sections IV and VIII.

- c) *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, most of the potential adverse impacts such as noise and air quality are temporary and will cease upon construction completion. Due to the relatively small area of impact and the relatively short construction period, potential impacts would not be cumulatively considerable. Further, the proposed project will serve to efficiently convey storm flows through the project area that otherwise traverse existing residential areas, thereby decreasing the amount of pollutants directly reaching the SAR and reducing flooding to surrounding properties.

- d) *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 project would result in very minimal environmental impacts such as air quality and noise due to construction related activities. With the incorporation of the mitigation measures 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.

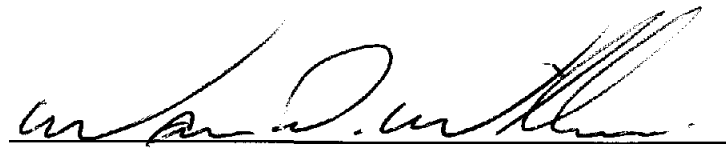
## **EARLIER ANALYSES**

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).

**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

10-2-09  
Date

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

## REFERENCES AND BIBLIOGRAPHY

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

<u>Cited As:</u>	<u>Source:</u>
AQMP	South Coast Air Quality Management District, <i>Air Quality Management Plan 2007</i> , June 2007. (Available at SCAQMD)
Basin Plan	The 1995 Water Quality Control Plan for the Santa Ana River Basin (Region 8), updated in February 2008. (Available at <a href="http://www.swrcb.ca.gov/rwqcb8/water_issues/programs/basin_plan/index.shtml">http://www.swrcb.ca.gov/rwqcb8/water_issues/programs/basin_plan/index.shtml</a> )
CARB	California Air Resources Board, <i>Area Designation Maps / State and National</i> , 2006. (Available at <a href="http://www.arb.ca.gov/desig/adm/adm.htm">http://www.arb.ca.gov/desig/adm/adm.htm</a> )
Conservation	California Department of Conservation, Farmland Mapping and Monitoring Program, Important Farmland Map, Western Riverside County, 2004. ( <a href="ftp://ftp.consrv.ca.gov/pub/dlrp/FMMP/pdf/2006/riv06_west.pdf">ftp://ftp.consrv.ca.gov/pub/dlrp/FMMP/pdf/2006/riv06_west.pdf</a> )
CGS	California Department of Conservation, California Geological Survey, Alquist-Priolo Earthquake Fault Zones. (Available <a href="ftp://ftp.consrv.ca.gov/pub/dmg/pubs/sp/Sp42.pdf">ftp://ftp.consrv.ca.gov/pub/dmg/pubs/sp/Sp42.pdf</a> )
CNNDDB	California Natural Diversity Database, 2008. (Available at <a href="http://www.dfg.ca.gov/biogeodata/cnnddb/">http://www.dfg.ca.gov/biogeodata/cnnddb/</a> )
CNPSEI	California Native Plant Society Electronic Inventory of Rare and Endangered Vascular Plants of California (Available at <a href="http://cnps.web.aplus.net/cgi-bin/inv/inventory.cgi">http://cnps.web.aplus.net/cgi-bin/inv/inventory.cgi</a> )
DTSC	California Department of Toxic Substances Control, Hazardous Waste and Substance Site List (Cortese List), website accessed September 27, 2005. (Available at <a href="http://www.calepa.ca.gov/SiteCleanup/CorteseList/default.htm">http://www.calepa.ca.gov/SiteCleanup/CorteseList/default.htm</a> )
EIC	Eastern Information Center, Department of Anthropology, University of California Riverside (UCR), letter dated July 6, 1998. (Available UCR)
GIS	County of Riverside, Geographic Information System Database. (Available at <a href="http://www3.tlma.co.riverside.ca.us/pa/rclis/index.html">http://www3.tlma.co.riverside.ca.us/pa/rclis/index.html</a> )
GE	Google Earth 4.3, 2008. (Available at <a href="http://www.earth.google.com/">http://www.earth.google.com/</a> )
MSHCP	Western Riverside County, Multiple Species Habitat Conservation Plan, Final Version, Adopted June 17, 2003. (Available at Riverside County Planning and at <a href="http://www.rctlma.org/mshcp/index.html">http://www.rctlma.org/mshcp/index.html</a> )
NGP	City of Norco General Plan Land Use and Zoning Maps, May 2, 2007. (Available at <a href="http://www.ci.norco.ca.us/depts/planning/general_plan_land_use_and_zoning_maps.asp">http://www.ci.norco.ca.us/depts/planning/general_plan_land_use_and_zoning_maps.asp</a> )
NMC	City of Norco Municipal Code including generation of construction noise. (Available at City Clerk's Office and at <a href="http://www.codepublishing.com/ca/norco/">http://www.codepublishing.com/ca/norco/</a> )
NRCS	U.S. Department of Agriculture, Soil Conservation Service, Soil Survey, Western Riverside Area, California, November 1971. (Available at USDA or at <a href="http://websoilsurvey.nrcs.usda.gov/app/">http://websoilsurvey.nrcs.usda.gov/app/</a> )
RCIP	Riverside County Integrated Project, County of Riverside General Plan, Final Version, Adopted October 7, 2003. (Available at Riverside County Planning and at <a href="http://www.rctlma.org">www.rctlma.org</a> )

- 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)
- SureVoid "Swelling Clays Map of the Conterminous United States" published in 1989 as Map I-1940 in the USGS Miscellaneous Investigations Series. (Available at [http://www.surevoid.com/surevoid\\_web/soil\\_maps/intro1.html](http://www.surevoid.com/surevoid_web/soil_maps/intro1.html))
- Thomas Guide Riverside County and San Bernardino County Street Guide, Thomas Brother's, 2008. (Available at District)
- URBEMIS The URBan EMISsions (URBEMIS) 2007 model (version 9.2.4), released February 2008. (Available on the SCAQMD Website at: [www.urbemis.com](http://www.urbemis.com))

# **APPENDIX A**

URBEMIS Summary Report

Urbemis 2007 Version 9.2.4

Summary Report for Summer Emissions (Pounds/Day)

File Name: Q:\ERS (new)\District Projects\Zone 2\Norco MDP Line N-1 and Line NA-3\Norco N-1 and NA-3.urb924

Project Name: Norco Line N-1, Stage 2 and Line NA-3

Project Location: Riverside County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOX	CO	SO2	PM10.Dust	PM10.Exhaust	PM10	PM2.5.Dust	PM2.5.Exhaust	PM2.5	CO2
2009 TOTALS (lbs/day unmitigated)	10.21	76.87	44.36	0.01	1.45	4.71	6.16	0.31	4.33	4.64	7,317.06

Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name: Q:\ERS (new)\District Projects\Zone 2\Norco MDP Line N-1 and Line NA-3\Norco N-1 and NA-3.urb924

Project Name: Norco Line N-1, Stage 2 and Line NA-3

Project Location: Riverside County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

	BOG	NOX	CO	SO2	PM10.Dust	PM10.Exhaust	PM10.Total	PM2.5.Dust	PM2.5.Exhaust	PM2.5.Total	CO2
Time Slice 8/3/2009-9/16/2009 Active Days: 35	19.21	76.87	44.36	0.01	1.45	4.71	6.16	0.31	4.33	4.64	7,317.08
Mass Grading 08/03/2009- 09/18/2009	3.62	32.25	16.16	0.01	1.43	1.57	3.00	0.30	1.44	1.74	3,100.36
Mass Grading Dust	0.00	0.00	0.00	0.00	1.40	0.00	1.40	0.29	0.00	0.29	0.00
Mass Grading Off Road Diesel	3.18	26.46	12.88	0.00	0.00	1.33	1.33	0.00	1.23	1.23	2,247.32
Mass Grading On Road Diesel	0.40	5.72	2.04	0.01	0.02	0.23	0.25	0.01	0.21	0.22	728.64
Mass Grading Worker Trips	0.04	0.07	1.14	0.00	0.01	0.00	0.01	0.00	0.00	0.01	124.40
Trenching 08/03/2009-09/18/2009	6.60	44.62	28.20	0.00	0.02	3.15	3.16	0.01	2.89	2.90	4,216.72
Trenching Off Road Diesel	6.49	44.42	24.78	0.00	0.00	3.14	3.14	0.00	2.88	2.88	3,843.51
Trenching Worker Trips	0.11	0.20	3.42	0.00	0.02	0.01	0.03	0.01	0.01	0.02	373.21
Time Slice 9/21/2009-10/2/2009 Active Days: 10	6.52	43.50	27.38	0.00	0.02	3.01	3.03	0.01	2.76	2.77	4,165.19
Asphalt 09/21/2009-10/02/2009	6.52	43.50	27.38	0.00	0.02	3.01	3.03	0.01	2.76	2.77	4,165.19
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	6.17	42.48	23.67	0.00	0.00	2.96	2.96	0.00	2.73	2.73	3,667.00
Paving On Road Diesel	0.06	0.82	0.29	0.00	0.00	0.03	0.04	0.00	0.03	0.03	104.98
Paving Worker Trips	0.11	0.20	3.42	0.00	0.02	0.01	0.03	0.01	0.01	0.02	373.21

Phase Assumptions

Phase: Mass Grading 8/3/2009 - 9/18/2009 - Type Year Description Here

Page: 2

2/3/2009 4:51:14 PM

Total Acres Disturbed: 1.69

Maximum Daily Acreage Disturbed: 0.07

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 171.91

Off-Road Equipment:

- 1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Trenching 8/3/2009 - 9/18/2009 - Default Trenching Description

Off-Road Equipment:

- 1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day
- 2 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
- 1 Paving Equipment (104 hp) operating at a 0.53 load factor for 8 hours per day
- 2 Rollers (95 hp) operating at a 0.56 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
- 2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Paving 9/21/2009 - 10/2/2009 - Default Paving Description

Acres to be Paved: 0.69

Off-Road Equipment:

- 1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day
- 2 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
- 1 Paving Equipment (104 hp) operating at a 0.53 load factor for 8 hours per day
- 2 Rollers (95 hp) operating at a 0.56 load factor for 7 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
- 2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

## **APPENDIX B**

Mitigation Monitoring Program Table

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

NORCO MDP LINE NA-3 AND NORTH NORCO CHANNEL LINE N-1, STAGE 2  
MITIGATION MONITORING PROGRAM TABLE

Issue	Potential Impact	Mitigation Measures	Action	Implementing Agency	Governing Agency	Implementation Timing	Monitoring Frequency
III. Air Quality	During construction, there is potential for temporary increases in air pollution.	<b>MM III-1:</b> The construction contractor shall be required to comply with the latest versions of the AQMD Rule 403.	Implement applicable dust control measures.	RCFC & WCD (Design and Construction Division)	SCAQMD	During the construction period	Daily monitoring during project construction
V. Cultural Resources	During construction, there is potential to impact cultural resources.	<b>MM V-1:</b> 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 specialist will be retained to evaluate the resources.	RCFC & WCD (Design and Construction Division)	None	During excavation activities	Monitoring as needed during ground disturbance activities
	During construction, there is potential to impact cultural resources.	<b>MM V-2:</b> If any paleontological resources are encountered during ground disturbance, ground disturbance activities in the vicinity of the discovery will be terminated immediately until a qualified paleontologist evaluates the resources. Any discovered paleontological resources that merit long-term consideration shall be collected and reported in accordance with standard paleontological management requirements.	Terminate construction activities if paleontological resources are encountered. A qualified paleontologist will evaluate the resources.	RCFC & WCD (Design and Construction Division)	None	During excavation activities	Monitoring as needed during excavation activities

Issue	Potential Impact	Mitigation Measures	Action	Implementing Agency	Governing Agency	Implementation Timing	Monitoring Frequency
V. Cultural Resources (continued)	During construction, there is potential to encounter human remains.	<p><b>MM V-3:</b> Per State Health and Safety code 7050.5, if human remains are encountered during construction, no further disturbance shall occur 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 historic, but prehistoric, the Native American Heritage Commission (NAHC) must be contacted to determine the most likely descendent for this area. Once the most likely descendent is determined treatment of the Native American human remains will proceed pursuant to Public Resources 5097.98. The NAHC may become involved with decisions concerning the disposition of the remains.</p>	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)	County Coroner and NAHC	During excavation activities	Daily monitoring during excavation activities
XI. Noise	The use of heavy equipment during project construction may temporarily increase noise levels within nearby residential areas.	<p><b>MM XI-1:</b> Use of heavy equipment that may impact adjacent residential area shall be limited from 7 a.m. to 7 p.m. Monday through Friday, except under special circumstances approved by the District.</p>	Construction will occur between 7 a.m. and 7 p.m.	RCFC & WCD (Design and Construction Division)	None	During construction	During construction
	The use of heavy equipment during project construction may temporarily increase noise levels within nearby residential areas.	<p><b>MM XI-2:</b> Each resident adjacent to the storm drain construction site shall be notified in writing three days prior to operating heavy construction equipment near the residents. 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</p>	Ensure that the described notices are provided to each resident adjacent to the storm drain construction site and inform the construction contractor of any	RCFC & WCD (Design and Construction Division)	None	During construction	During construction

Issue	Potential Impact	Mitigation Measures	Action	Implementing Agency	Governing Agency	Implementation Timing	Monitoring Frequency
XV. Traffic	Construction activities may impact the routes of emergency service vehicles	<p>and incorporate any feasible and practical techniques which minimize the noise impacts on adjacent residents.</p> <p><b>MM XV-1:</b> At all times during construction, the contractor shall ensure that emergency fire or medical vehicles are able to access all adjacent areas.</p>	Contractor will ensure emergency access through construction areas at all times.	RCFC & WCD (Design and Construction Division)	None	During construction	During construction

## **APPENDIX C**

Comments from Reviewing Agencies



Linda S. Adams  
Secretary for  
Environmental Protection



## Department of Toxic Substances Control

Maziar Movassaghi  
Acting Director  
5796 Corporate Avenue  
Cypress, California 90630



Arnold Schwarzenegger  
Governor

RECEIVED  
AUG 03 2009

RIVERSIDE COUNTY FLOOD CONTROL  
AND WATER CONSERVATION DISTRICT

July 31, 2009

Kris Flanigan  
Riverside County Flood Control and Water Conservation District  
1995 Market Street  
Riverside, California 92501  
kflaniga@rcflood.org

### NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION FOR NORCO MDP LINE NA-3 AND NORTH NORCO CHANNEL LINE N-1, STAGE 2 PROJECT (SCH # 2009071027), RIVERSIDE COUNTY

Dear Ms. Flanigan:

The Department of Toxic Substances Control (DTSC) has received your submitted draft Initial Study (IS) and Mitigation Negative Declaration (MND) for the above-mentioned project. The following project description is stated in your document: "The proposed project consists of the construction and maintenance of flood control facilities to alleviate flooding in the City of Norco. The project was identified in the Norco master Drainage Plan (MPD) study conducted by the District in 1992. The proposed project is an under ground storm drain located within the City of Norco, Riverside County. The alignment for Line NA-3 will locate along Pedley Avenue between 5<sup>th</sup> and 6<sup>th</sup> Streets. The alignment for Line N-1, Stage 2 will be located along 7<sup>th</sup> Street and California Avenue. Both facilities discharge into existing underground storm drains. The project area lies within an area that is designated low density residential in the City of Norco general Plan and the proposed project site is located public roads. The project area is fully developed with urban land uses. The project sites are generally flat." DTSC has the following comments:

- 1) The ND should identify the mechanism to initiate any required investigation and/or remediation for any site that may be contaminated, and the government agency to provide appropriate regulatory oversight. If necessary, DTSC would require an oversight agreement in order to review such documents. Please see comment No. 9 below for more information.

For all identified sites, the EIR should evaluate whether conditions at the site may pose a threat to human health or the environment. Following are the databases of some of the pertinent regulatory agencies:

- National Priorities List (NPL): A list maintained by the United States Environmental Protection Agency (U.S.EPA).
  - EnviroStor: A Database primarily used by the California Department of Toxic Substances Control, accessible through DTSC's website (see below).
  - Resource Conservation and Recovery Information System (RCRIS): A database of RCRA facilities that is maintained by U.S. EPA.
  - Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS): A database of CERCLA sites that is maintained by U.S.EPA.
  - Solid Waste Information System (SWIS): A database provided by the California Integrated Waste Management Board which consists of both open as well as closed and inactive solid waste disposal facilities and transfer stations.
  - Leaking Underground Storage Tanks (LUST) / Spills, Leaks, Investigations and Cleanups (SLIC): A list that is maintained by Regional Water Quality Control Boards.
  - Local Counties and Cities maintain lists for hazardous substances cleanup sites and leaking underground storage tanks.
  - The United States Army Corps of Engineers, 911 Wilshire Boulevard, Los Angeles, California, 90017, (213) 452-3908, maintains a list of Formerly Used Defense Sites (FUDS).
- 2) All environmental investigations, sampling and/or remediation for the site should be conducted under a Workplan approved and overseen by a regulatory agency that has jurisdiction to oversee hazardous substance cleanup. The findings of any investigations, including any Phase I or II Environmental Site Assessment Investigations should be summarized in the document. All sampling results in which hazardous substances were found should be clearly summarized in a table.

- 3) If buildings or other structures, asphalt or concrete-paved surface areas are being planned to be demolished, an investigation should be conducted for the presence of other related hazardous chemicals, lead-based paints or products, mercury, and asbestos containing materials (ACMs). If other hazardous chemicals, lead-based paints or products, mercury or ACMs are identified, proper precautions should be taken during demolition activities. Additionally, the contaminants should be remediated in compliance with California environmental regulations and policies.
- 4) Project construction may require soil excavation or filling in certain areas. Sampling may be required. If soil is contaminated, it must be properly disposed and not simply placed in another location onsite. Land Disposal Restrictions (LDRs) may be applicable to such soils. Also, if the project proposes to import soil to backfill the areas excavated, sampling should be conducted to ensure that the imported soil is free of contamination.
- 5) Human health and the environment of sensitive receptors should be protected during the construction or demolition activities. If it is found necessary, a study of the site and a health risk assessment overseen and approved by the appropriate government agency and a qualified health risk assessor should be conducted to determine if there are, have been, or will be, any releases of hazardous materials that may pose a risk to human health or the environment.
- 6) If it is determined that hazardous wastes are, or will be, generated by the proposed operations, the wastes must be managed in accordance with the California Hazardous Waste Control Law (California Health and Safety Code, Division 20, Chapter 6.5) and the Hazardous Waste Control Regulations (California Code of Regulations, Title 22, Division 4.5). If it is determined that hazardous wastes will be generated, the facility should also obtain a United States Environmental Protection Agency Identification Number by contacting (800) 618-6942. Certain hazardous waste treatment processes or hazardous materials, handling, storage or uses may require authorization from the local Certified Unified Program Agency (CUPA). Information about the requirement for authorization can be obtained by contacting your local CUPA.
- 7) If during construction/demolition of the project, the soil and/or groundwater contamination is suspected, construction/demolition in the area should cease and appropriate health and safety procedures should be implemented.
- 8) If the site was used for agricultural, livestock or related activities, onsite soils and groundwater might contain pesticides, agricultural chemical, organic waste or other related residue. Proper investigation, and remedial actions, if necessary,


Kris Flanigan  
July 31, 2009  
Page 4

should be conducted under the oversight of and approved by a government agency at the site prior to construction of the project.

- 9) DTSC can provide guidance for cleanup oversight through an Environmental Oversight Agreement (EOA) for government agencies which would not be considered responsible parties under CERCLA, or a Voluntary Cleanup Agreement (VCA) for private parties. For additional information on the EOA or VCA, please see [www.dtsc.ca.gov/SiteCleanup/Brownfields](http://www.dtsc.ca.gov/SiteCleanup/Brownfields), or contact Maryam Tasnif-Abbasi, DTSC's Voluntary Cleanup Coordinator, at (714) 484-5489.

If you have any questions regarding this letter, please contact Mr. Rafiq Ahmed, Project Manager, at [rahmed@dtsc.ca.gov](mailto:rahmed@dtsc.ca.gov) or by phone at (714) 484-5491.

Sincerely,



Greg Holmes  
Unit Chief  
Brownfields and Environmental Restoration Program

cc: Governor's Office of Planning and Research  
State Clearinghouse  
P.O. Box 3044  
Sacramento, California 95812-3044  
[state.clearinghouse@opr.ca.gov](mailto:state.clearinghouse@opr.ca.gov)

CEQA Tracking Center  
Department of Toxic Substances Control  
Office of Environmental Planning and Analysis  
1001 I Street, 22nd Floor, M.S. 22-2  
Sacramento, California 95814  
[nritter@dtsc.ca.gov](mailto:nritter@dtsc.ca.gov)

CEQA # 2657

02/26/2009 16:58 FAX 918 657 5390

NAHC

001

STATE OF CALIFORNIA

Arnold Schwarzenegger GOVERNOR

**NATIVE AMERICAN HERITAGE COMMISSION**

915 CAPITOL MALL, ROOM 964  
SACRAMENTO, CA 95814  
(916) 658-6251  
Fax (916) 657-5390  
Web Site [www.nahc.ca.gov](http://www.nahc.ca.gov)  
ds\_nahc@pacbell.net



February 26, 2009

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

Sent by FAX to 951-788-9985  
No. Pages: 3

Re: Request for a Sacred Lands File records search and Native American Contacts list for the Norco MDP Line NA-3 and Line N-1, Stage 2; Project Nos. 2-0-0075 and 2-0-0143; located in the City of Norco, Riverside County, California

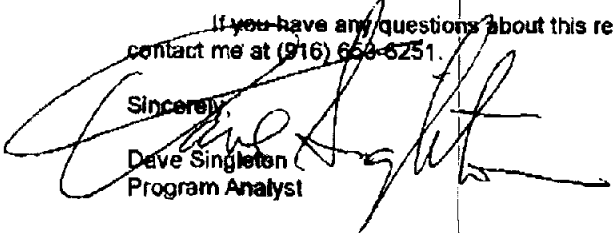
Dear Mr. Flanigan:

The Native American Heritage Commission was able to perform a record search of its Sacred Lands File (SLF) for the affected project area (APE). The SLF search failed to indicate the presence of Native American cultural resources in the project area (APE or 'area of potential effect).

Early consultation with Native American tribes in your area is the best way to avoid unanticipated discoveries once a project is underway. Enclosed are the names of the nearest tribes that may have knowledge of cultural resources in the project area. We recommend that you contact persons on the attached list of Native American contacts. A Native American tribe or individual may be the only source of information about a cultural resource. They may have specific knowledge as to whether or not the known cultural resources identified may be at-risk by the proposed project

Lead agencies should consider avoidance, as defined in Section 15370 of the California Environmental Quality Act (CEQA) when significant cultural resources could be affected by a project. Also, Public Resources Code Section 5097.98 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. Discussion of these should be included in your environmental documents, as appropriate.

If you have any questions about this response to your request, please do not hesitate to contact me at (916) 658-6251.

Sincerely,  
  
Dave Singleton  
Program Analyst

Attachment: Native American Contact List

02/26/2009 16:59 FAX 916 857 5390

NAHC

002

**Native American Contacts  
Riverside County  
February 26, 2009**

**Pechanga Band of Mission Indians**  
Paul Macarro, Cultural Resource Center  
P.O. Box 1477 Luiseno  
Temecula , CA 92593  
(951) 308-9295 Ext 8106  
(951) 676-2768  
(951) 506-9491 Fax

**Gabrieleno/Tongva San Gabriel Band of Mission**  
Anthony Morales, Chairperson  
PO Box 693 Gabrielino Tongva  
San Gabriel , CA 91778  
(626) 286-1632  
(626) 286-1758 - Home  
(626) 286-1262 Fax

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

**Santa Rosa Band of Mission Indians**  
John Marcus, Chairman  
P.O. Box 609 Cahuilla  
Hemet , CA 92546  
srtribaloffice@aol.com  
(951) 658-5311  
(951) 658-6733 Fax

**San Manuel Band of Mission Indians**  
James Ramos, Chairperson  
26569 Community Center Drive Serrano  
Highland , CA 92346  
9) 864-8933  
(909) 864-3724 - FAX  
(909) 864-3370 Fax

**Morongo Band of Mission Indians**  
Michael Contreras, Cultural Heritage Prog. Manager  
13000 Fields Road Cahuilla  
Banning , CA 92220 Serrano  
(951) 755-5025  
(951) 201-1866 - cell  
(951) 922-0105 Fax

**Alvino Siva**  
2034 W. Westward Cahuilla  
Banning , CA 92220  
(951) 849-3450

**San Manuel Band of Mission Indians**  
Ann Brierty, Policy/Cultural Resources Department  
26569 Community Center, Drive Serrano  
Highland , CA 92346  
abrierty@sanmanuel-nsn.gov  
(909) 864-8933 EXT-3250  
(909) 649-1585 - cell  
(909) 862-5152 Fax

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 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Norco MDP Line NA-3 and Line N-1, Stage 2 Project Nos. 2-0-0075 and 2-0-01-43; located in the City of Norco; Riverside County, California for which a Sacred Lands File search and Native American Contacts list were requested. (Riverside County Flood Control and Water Conservation District.)

02/26/2009 10:59 FAX 918 857 5390

NAHC

003

**Native American Contacts  
Riverside County  
February 26, 2009**

**Serrano Nation of Indians  
Goldie Walker  
6588 Valaria Drive  
Highland , CA 92346  
(909) 862-9883**

Serrano

**Soboba Band of Luiseno Indians  
Erica Helms, Cultural Resources Manager  
P.O. Box 487  
San Jacinto , CA 92581  
dhill@soboba-nsn.gov  
(951) 654-2765  
FAX: (951) 654-4198**

Luiseno

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 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Norco MDP Line NA-3 and Line N-1, Stage 2 Project Nos. 2-0-0075 and 2-0-01-43; located in the City of Norco; Riverside County, California for which a Sacred Lands File search and Native American Contacts list were requested. (Riverside County Flood Control and Water Conservation District)

Soboba Cultural Resource Department

P.O. Box 487 San Jacinto, Ca 92581

Phone: 951.654.5544 ext. 4137

April 28, 2009

Attn: Kris Flanigan  
Riverside County Flood Control & Water Conservation District  
1995 Market Street  
Riverside, Ca 92501



**Re: Norco MDP Line NA-3 and Line N-1, Stage 2 Project Nos. 2-0-007 & 2-0-0143**

The Soboba Band of Luiseño Indians appreciates your observance of Tribal Cultural Resources and their preservation in your project. The information provided to us on said project(s) has been assessed through our Cultural Resource Department, where it was concluded that although it is outside the existing reservation, the project area does fall within the bounds of our Tribal Traditional Use Areas.

At this time the Soboba Band does not see a direct need for Native American Monitoring. In the instance that Cultural Resources are encountered the Tribe requests a Native American Monitor be present. Soboba requests this, until deemed unnecessary by both Archaeological and Native American Monitors.

[SPECIAL NOTE (for projects other than cell towers): If this project is associated with a city or county specific plan or general plan action it is subject to the provisions of SB18-Traditional Tribal Cultural Places (law became effective January 1, 2005) and will require the city or county to participate in formal, government-to-government consultation with the Tribe. If the city or county are your client, you may wish to make them aware of this requirement. By law, they are required to contact the Tribe.

Sincerely,

A handwritten signature in black ink, appearing to read "Joe Ontiveros", is written over a faint, circular background graphic.

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

RECEIVED

APR 29 2009

RIVERSIDE COUNTY FLOOD CONTROL  
WATER CONSERVATION DISTRICT

## Native American Heritage Commission

### Response

As described in Section V. of the Initial Study, known cultural resources do not exist within the project area. The District requested a Sacred Lands File Search for the referenced project. The enclosed NAHC letter dated February 26, 2009 indicates that Native American cultural resources are not present within the immediate project area. Nonetheless, the record search does not guarantee the absence of cultural resources. 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. To date, the District has received only the attached comment letter dated April 28, 2009 from the Soboba Cultural Resource Department. The letter from the Soboba Cultural Resource Department states that the project is outside the existing reservation but still falls within the bound of the Tribal Traditional Use Area. In addition, the letter states that the Soboba Band does not see a direct need for a Native American Monitoring.

Applicable recommendations from the tribes will be incorporated into the final construction specifications. As stated in Section V of the Initial Study any unknown cultural resources uncovered during construction shall be evaluated by a qualified cultural resources specialist. The District has proposed the 2 following mitigation measures in the event that cultural resources are exposed during construction:

#### MM V-1

**If any archaeological are exposed during ground excavation disturbance, ground disturbance activities in the vicinity of the discovery will be terminated immediately and a qualified archaeological 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.**

#### MM V-3

**Per State Health and Safety Code 7050.5, if human remains are encountered during construction, no further disturbance shall occur 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 historic, but prehistoric, the Native American Heritage Commission (NAHC) must be contacted to determine the most likely descendent for this area. Once the most likely descendent is determined treatment of the Native American human remains will proceed pursuant to Public Resources 5097.98. The NAHC may become involved with decisions concerning the disposition of the remains.**

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

RECEIVED

FEB 27 2009

RIVERSIDE COUNTY FLOOD CONTROL

February 25, 2009  
EIC-RIV-ST-273

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 Line NA-3 and Line N-1  
Projects (2-0-0075 and 2-0-0143)

Dear Mr. Flanigan,

We received your request on February 23, 2009, for a cultural resources records search for the Norco MDP Line NA-3 and Line N-1 projects, located in Section 5, T.3S, R.6W, SBBM, and Section 32, T.2S, R.6W, SBBM, in the Norco area of Riverside County. We have reviewed our maps, records, and reports against the project areas defined on the map you provided.

Our records indicate that one cultural resources studies has been conducted within a quarter-mile radius of your project areas. However, this study does not involve the project areas.

No cultural resources properties are recorded within the boundaries of the project areas. Our records indicate that no properties have been recorded within a quarter-mile radius of the project areas.

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.

Kris Flanigan  
February 25, 2009  
Page 2

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 list of cultural resources consultants has been previously sent.

Sincerely,

A handwritten signature in black ink, appearing to read "Andrew Garrison". The signature is written in a cursive style with a long, sweeping underline.

Andrew Garrison  
Information Officer

Enclosure

## Eastern Information Center

### Response

As described in Section V. of the Initial Study, known cultural resources do not exist within the project area. The District requested a cultural resources records search from the Eastern Information Center (EIC) for the referenced project. The enclosed EIC letter dated February 25, 2009 indicates that no cultural resources properties are recorded within the boundaries of the project area nor within a quarter-mile radius of the project area. Nonetheless, the record search does not guarantee the absence of cultural resources.

As stated in Section V of the Initial Study any unknown cultural resources uncovered during construction shall be evaluated by a qualified cultural resources specialist. Applicable recommendations from the tribes will be incorporated into the final construction specifications. As stated in Section V of the Initial Study any unknown cultural resources uncovered during construction shall be evaluated by a qualified cultural resources specialist. The District has proposed the 2 following mitigation measures in the event that cultural resources are exposed during construction:

#### **MM V-1**

**If any archaeological are exposed during ground excavation disturbance, ground disturbance activities in the vicinity of the discovery will be terminated immediately and a qualified archaeological and paleontological 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.**

#### **MM V-3**

**Per State Health and Safety Code 7050.5, if human remains are encountered during construction, no further disturbance shall occur 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 historic, but prehistoric, the Native American Heritage Commission (NAHC) must be contacted to determine the most likely descendent for this area. Once the most likely descendent is determined treatment of the Native American human remains will proceed pursuant to Public Resources 5097.98. The NAHC may become involved with decisions concerning the disposition of the remains.**

Potential adverse impacts to cultural resources will remain below a level of significance.

# Notice of Determination

Appendix D

To: Office of Planning and Research

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

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

Street Address:  
1400 Tenth Street  
Sacramento, CA 95814

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

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): 2009071027

### Project Title:

Norco MDP Line NA-3 and North Norco Channel Line N-1, Stage 2

### Project Location (include county)

The proposed project is an underground storm drain located within the city of Norco, Riverside County. The alignment for Norco MDP Line NA-3 will be located along Pedley Avenue between 5<sup>th</sup> and 6<sup>th</sup> Streets. The alignment for North Norco Channel Line N-1, Stage 2 will be located along 7<sup>th</sup> Street and California Avenue. The proposed project may be found within Township 3 South, Range 6 West, Section 5 of the USGS "Corona North, California" 7.5 Series Topographic Quadrangle maps.

### Project Description

The proposed project consists of the construction and subsequent maintenance of the underground storm drains.

This is to advise that the Riverside County Flood Control and Water Conservation District has approved the above described  
( Lead Agency or  Responsible Agency)

project on October 20, 2009 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 mitigation reporting or monitoring plan 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 EIR with comments and responses and record of project approval, or the Negative Declaration, is available to the General Public at: The office of the Clerk to the Board, County Administrative Center, 4080 Lemon Street, Riverside, CA 92501.

\_\_\_\_\_  
Signature (Public Agency)

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

Date received for filing at OPR:

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

P8\127083

Revised 2004