

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

413 B



FROM: General Manager-Chief Engineer

SUBMITTAL DATE:
November 6, 2012

SUBJECT: West End Moreno MDP Line LL, Stage 1
Project No. 4-0-00783-01
District 5/District 1 & 5

RECOMMENDED MOTION:

1. Adopt Resolution No. F2012-27, Adopting a Mitigated Negative Declaration and Approving the Project Final Design of the West End Moreno MDP Line LL, Stage 1 Project (Project);
2. Find that the Project will not have a significant adverse effect upon the environment and is in compliance with the Western Riverside County Multiple Species Habitat Conservation Plan;
3. Adopt a Mitigated Negative Declaration for the Project;
4. Approve the Project Final Design and authorize the District to proceed therewith; and
5. Direct the Clerk of the Board to submit the Mitigated Negative Declaration and Notice of Determination for posting to the County Clerk within five (5) working days of approval of this Project.

BACKGROUND:
See Page 2.

WARREN D. WILLIAMS
General Manager-Chief Engineer

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

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

C.E.O. RECOMMENDATION:

APPROVE

BY:
Michael R. Shetler

County Executive Office Signature

FORM APPROVED COUNTY COUNSEL
BY:
CYNTHIA M. GUNZEL
DATE: 9-28-12

Dep't Recomm.: Policy Consent

Per Exec. Ofc.: Policy Consent

Prev. Agn. Ref.: 7.2 03/12/91 & 04/16/91 | District: 5th/1st & 5th | Agenda Number:

11.9

ATTACHMENTS FILED WITH THE CLERK OF THE BOARD

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

SUBJECT: West End Moreno MDP Line LL, Stage 1
Project No. 4-0-00783-01

SUBMITTAL DATE: November 6, 2012
Page 2

BACKGROUND:Project Description

The Project is located in Zone 4, and the alignment generally follows Old Highway 215 between Dracaea Avenue and Cottonwood Avenue.

The Project involves the construction of approximately 1,800 lineal feet of storm drain and improvements to the existing outlet structure and the construction of a new headwall, earthwork for proper drainage, and placement of riprap. The outlet structure and daylight channel is located on vacant land, the storm drain alignment is entirely within existing street right of way and will require the relocation of existing gas utility lines and water meters. The Project includes the long term maintenance and operation of this facility.

Compliance with Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP)

The Project is in compliance with the sections required by the MSHCP under the following findings:

1. Sections 6.1.4 and 3.2.1 - Project does not occur within or adjacent to a Criteria Area or MSHCP-designated Public/Quasi-Public conservation lands.
2. Section 6.1.2 - Riparian/Riverine Area and Vernal Pools are not located within the Project Area.
3. Section 6.1.3 - Project is not within a mapped survey area for Narrow Endemic Plant Species.
4. Section 6.3.2 - Portion of the Project is within a MSHCP Burrowing Owl Survey Area. A habitat site reconnaissance was performed in April 2012 and no burrowing owls or burrow owl signs were observed. In accordance with the MSHCP, a pre-construction survey will be conducted within 30 days prior to disturbance of the property for construction purposes.
5. Section 7.5.3 - The District will implement applicable Standard Best Management Practices as outlined in Appendix C of the MSHCP.

Summary of Mitigation Measures

The Project will have a less than significant impact to the environment with the use of the following mitigation measures:

1. Implementation of applicable dust control measures during construction.
2. A pre-construction burrowing owl survey will be conducted within 30 days prior to disturbance of the property for construction purposes.
3. Cease all excavation activities if potential historical resources, paleontological resources, human remains, or hazardous materials are uncovered. A qualified specialist and appropriate officials shall be contacted upon any of these discoveries.
4. Noise from the construction will be limited to the hours between 7:00 a.m. and 5:00 p.m. Monday through Friday except under special circumstances approved by the District's General Manager-Chief Engineer.
5. Residents adjacent to the Project will be notified at least three days prior to construction.
6. Construction contractor will ensure emergency access through construction areas at all times.

This certification is in accordance with the requirements of CEQA.

BOARD OF SUPERVISORS

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

**RESOLUTION NO. F2012-27
ADOPTING A MITIGATED NEGATIVE DECLARATION AND
APPROVING THE PROJECT FINAL DESIGN OF THE
WEST END MORENO MDP LINE LL, STAGE 1 PROJECT**

WHEREAS, the West End Moreno Master Drainage Plan (MDP) Line LL, Stage 1 Project (hereinafter referred to as the "Project") is located in Zone 4 within the cities of Riverside and Moreno Valley; and

WHEREAS, the proposed Project site is located generally along Old Highway 215 between Dracaea Avenue and Cottonwood Avenue; and

WHEREAS, the proposed Project involves construction of approximately 1,800 lineal feet of storm drain and improvements to the existing outlet structure, and the construction of a new headwall, earthwork for proper drainage, and placement of riprap; and

WHEREAS, the outlet structure and daylight channel are located on vacant land, the storm drain alignment is entirely within existing street right of way and will require the relocation of existing gas utility lines and water meters; and

WHEREAS, a Section 18 Hearing was held on April 16, 1991 to adopt the West End Master Drainage Plan in which West End Moreno MDP Line LL, Stage 1 is a component; and

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

WHEREAS, the Initial Study/Mitigated Negative Declaration thoroughly addresses the environmental effects of implementing the Project, including the construction, operation and maintenance of the various improvements identified therein; and

WHEREAS, the District is an active participant and Permittee in the Western Riverside County Multiple Conservation Plan (MSHCP); and

FORM APPROVED COUNTY COUNSEL
BY: *Synthia M. Gunzel* 9-19-12
DATE
SYNTHIA M. GUNZEL

1 WHEREAS, all obligations set forth to the District by the MSHCP have been discussed
2 and implemented; and

3 WHEREAS, the Project Final Design is set forth in the Design Drawings of the
4 proposed Project, on file with the Clerk of the Board of Supervisors; and

5 WHEREAS, the matter was discussed fully with testimony and documentation
6 presented by the public and affected government agencies.

7 NOW THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED by the
8 Board of Supervisors of the Riverside County Flood Control and Water Conservation District
9 in regular session assembled on November 6, 2012 that:

10 1. The Project is **not** within a Criteria Area set forth in and established by the
11 MSHCP.

12 2. The Project is consistent with the Riparian/Riverine Area and Vernal Pool
13 requirements of the MSHCP. Pursuant to Section 6.1.2 of the MSHCP, Riparian/Riverine areas
14 are lands which contain habitat dominated by trees, shrubs, persistent emergents, or emergent
15 mosses and lichens, which occur close to or which depend upon soil moisture from a nearby
16 fresh water source, or areas with freshwater flow during all or a portion of the year. Vernal
17 Pools are seasonal wetlands that occur in depression areas that have wetlands indicators of all
18 three parameters (soils, vegetation and hydrology) during the wetter portion of the growing
19 season. It has been determined that the Project area does not contain any vernal pools, nor does
20 it include Riparian/Riverine Areas as defined by the MSHCP. In addition, the Project area does
21 not contain suitable habitat for least Bell's vireo, Southwestern Willow Flycatcher, Yellow-
22 breasted chat or Yellow Warbler. Therefore, no further surveys or conservation measures are
23 required.

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

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

11 5. The Project is consistent with the Database Updates/Additional Surveys
12 requirements of the MSHCP. Pursuant to Section 6.3.2 of the MSHCP, habitat assessments
13 and/or focused surveys for certain additional plant and animal species are required for
14 properties within mapped survey areas. The survey area maps have been reviewed and the
15 Project is only within a mapped survey area for the Burrowing Owl. A habitat site
16 reconnaissance was performed in April 2012. No Burrowing Owls or Burrowing Owl signs
17 were observed within the surveyed area, however, suitable habitat was found. In accordance
18 with the MSHCP, a pre-construction survey for Burrowing Owls will be conducted within 30
19 days prior to disturbance of the property for construction purposes. The project satisfies the
20 plant, mammal, amphibian and bird Additional Survey Needs and Procedures requirements of
21 the MSHCP.

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

5 7. The Project is consistent with the Construction Guidelines for Facilities within
6 Criteria Areas and PQP Lands and Standard Best Management Practices, Appendix C
7 contained in Section 7.5.3 of the MSHCP. The Project has been reviewed and it has been
8 determined the Project does not occur within any MSHCP Criteria Areas and PQP Lands,
9 therefore Section 7.5.3 does not apply to the project. However, the District will implement
10 applicable Standard Best Management Practices as outlined in Appendix C of the MSHCP.

11 BE IT FURTHER RESOLVED, DETERMINED, AND ORDERED that:

12 1. There is no substantial evidence in light of the whole record that the Project, with
13 mitigation, may have a significant effect upon the environment and the Mitigated Negative
14 Declaration represents the independent judgment of the District.

15 2. A Mitigated Negative Declaration is adopted based on the findings incorporated in
16 the initial study and the conclusion that the Project will not have a significant effect on the
17 environment.

18 BE IT FURTHER RESOLVED, DETERMINED AND ORDERED that the Project
19 Final Design is hereby approved and the District is authorized to proceed with the Project.

20 BE IT FURTHER RESOLVED AND ORDERED that, within five (5) working days of
21 approval of the Project, the Clerk of the Board is directed to file the adopted Mitigated
22 Negative Declaration and the Notice of Determination to the County Clerk for posting, all as
23 required by law.

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AUG 01 2012

PUBLIC NOTICE

LARRY W. WARD, CLERK

By *B. Rees* Deputy



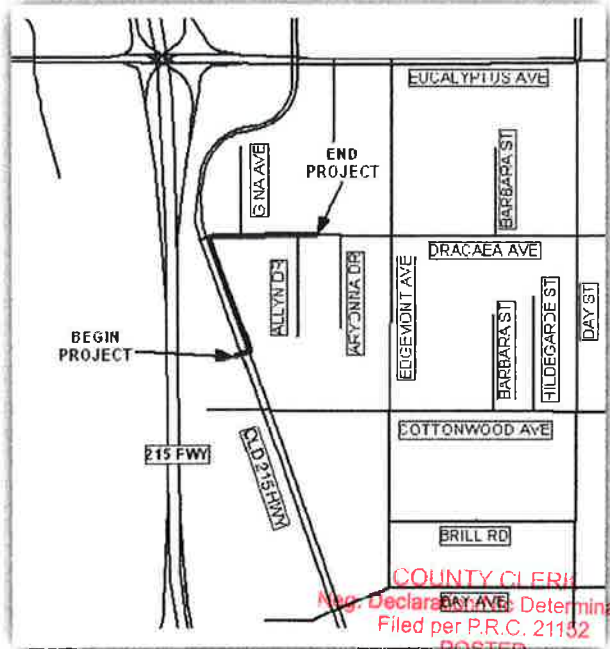
NOTICE OF AVAILABILITY OF INITIAL STUDY NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION FOR THE WEST END MORENO MDP LINE LL, STAGE 1 STORM DRAIN PROJECT

PROJECT INFORMATION

The Riverside County Flood Control and Water Conservation District (RCFC&WCD) proposed project consists of the construction, operation, and maintenance of approximately 1,800 lineal feet of storm drain and improvements to the existing outlet structure involving the construction of a new headwall, earthwork for proper drainage, and placement of riprap. The project is located in the Moreno Valley area

REASON FOR PUBLIC NOTICE

In accordance with the California Environmental Quality Act (CEQA), RCFC&WCD has conducted an Initial Study for this project which looks into potential impacts this project may have on the environment. The result of this study shows this project will not significantly impact the environment and a Mitigated Negative Declaration is proposed for this project. This public notice is to address any questions or concerns about the project.



COUNTY CLERK
Mitigated Negative Declaration
Filed per P.R.C. 21152
POSTED

INFORMATION AVAILABLE

A copy of the Initial Study and Mitigated Negative Declaration is available for viewing at: ~~Removed:~~

AUG 01 2012
9.6.12

- City of Moreno Valley
14177 Frederick Street
Moreno Valley, CA 92552
- RCFC&WCD
1995 Market Street
Riverside, CA 92501

● Online:

- <http://rcflood.org/Documents/PublicNotices/WestEndMorenoMDPLineLLStage1-MND-IS.pdf>
- <http://rcflood.org/Documents/PublicNotices/WestEndMorenoMDPLineLLStage1-notice.pdf>

By: *[Signature]* Dept. of Public Works, Riverside, California

WHAT CAN BE DONE

Any comments or concerns about the Proposed Project, Initial Study, or Mitigated Negative Declaration, can be submitted in writing no later than **September 4, 2012**. Written responses should make reference to "West End Moreno MDP Line LL, Stage 1 Storm Drain Project".

CONTACT INFORMATION

Please submit any written comments to:

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

Questions can be directed to:

- Kris Flanigan: 951.955.8581 or email kflaniga@rcflood.org
- Andy Leung: 951.955.8582 or email acleung@rcflood.org

CERTIFICATE OF POSTING

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

I, GWEN TOUCHARD - CUSTOMER SVC., do hereby certify that I am not
(NAME AND TITLE)

a party to the within action or proceeding; that on 8/1/2012, I posted a
(DATE)

copy of the following document(s):

1. **Notice of Intent to Adopt a Mitigated Negative Declaration for the West End Moreno MDP Line LL, Stage 1**
2. **Draft California Environmental Quality Act Initial Study - Mitigated Negative Declaration for the West End Moreno MDP Line LL, Stage 1 Project**

by posting at: City of Moreno Valley - 14177 Frederick Street, Moreno Valley, CA 92552

Gwendolyn G. Touchard

(Signature)

RIVERSIDE COUNTY CLERK-RECORDER

AUTHORIZATION TO BILL

TO BE FILLED OUT BY SUBMITTING AGENCY

DATE: 10/18/2012 BUSINESS UNIT/AGENCY: FLOOD CONTROL - FCARC

ACCOUNTING STRING:

ACCOUNT: 526410 FUND: 25140
DEPT ID: 947460 PROGRAM: _____

AMOUNT: \$2,165.50

REF: FINAL CEQA POSTING FOR WEST END MORENO MDP LINE LL, STAGE 1 224-4-8-00783-01-30

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

NUMBER OF DOCUMENTS INCLUDED: 3

AUTHORIZED BY: LISA MCFARLAND

PRESENTED BY: KRIS FLANIGAN (58581)

CONTACT: LISA MCFARLAND (58357) 

TO BE FILLED OUT BY COUNTY CLERK

ACCEPTED BY: _____

DATE: _____

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



MEMORANDUM
RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

10-15-2012 RCSD

DATE: October 15, 2012

TO: Jeanine Rey, Finance Director

FROM: Stuart E. McKibbin, Chief of Regulatory Division

RE: West End Moreno MDP Line LL, Stage 1
Project No. 4-0-00783-01

Ki Flanagan for

*DL Rey
10/16/2012*

Please prepare an Authorization to Bill Form in the amount of \$2,165.50 payable to the Riverside County Clerk-Recorder's Office for the final CEQA posting for the referenced project above. The charge number for the project is 224-4-8-00783-01-30. Copies of the applicable fee schedules are attached for your information.

Any questions or request for additional information, please contact Andy Leung at 58582 or Kris Flanigan at 58581.

Attachments

ACL:mcv
P8\149696

DEPARTMENT OF FISH AND GAME



California Environmental Quality Act (CEQA)

CEQA

Environmental Review

CEQA DOCUMENT FILING FEES

Pursuant to Fish and Game Code Section 711.4, DFG shall impose and collect a filing fee to defray the costs of managing and protecting California's vast fish and wildlife resources, including, but not limited to, consulting with other public agencies, reviewing environmental documents, recommending mitigation measures, and developing monitoring programs. For projects with local lead agencies, the county clerk collects any applicable filing fees at the time the notice of determination is filed. The project proponent is responsible for payment of the filing fee.



On September 29, 2006 Senate Bill 1535 was passed increasing the amounts of filing fees collected by DFG, and requires DFG to adjust the fees annually pursuant to Fish and Game Code Section 713. The annual fee adjustments are based on changes in the Implicit Price Deflator for State and Local Government Purchases of Goods and Services, as published by the U.S. Department of Commerce. The table below contains the 2011 CEQA filing fees, and the fees that become effective on January 1, 2012. Annual filing fee adjustments are made available on the DFG website prior to November 1 of the year before they become effective.

DFG recently updated Title 14, Section 753.5 of the California Code of Regulations (CCR). The updated regulations address filing fees and No Effect Determinations and became effective on July 16, 2009. The regulations were updated to conform with existing law (Fish and Game Code section 711.4), reflect current DFG practice, and clarify the procedures for no effect determinations.

[Full text of updated regulations](#)

Filing Fees for CEQA Documents

CEQA Document	2012 Filing Fee	Fee Effective January 1, 2013
Negative Declaration (ND)	\$2,101.50	\$2,156.25
Mitigated Negative Declaration (MND)	\$2,101.50	\$2,156.25
Environmental Impact Report (EIR)	\$2,919.00	\$2,995.25
Environmental Document pursuant to a Certified Regulatory Program (CRP)*	\$992.50	\$1,018.50
County Clerk Processing Fee	\$50.00	\$50.00

- [The California Environmental Quality Act](#)
- [External CEQA Project Review Procedures](#)
- [CEQA Filing Fees](#)
- [Process for No Effect Determinations](#)
- [Federal Project Review Department of Fish and Game's Internal CEQA Procedures](#)
- [Other Types of CEQA Project Reviews](#)

Related Links

- [California Law CEQA consists of Public Resources Code sections 21000-21177](#)
- [CEQA Statutes and Guidelines](#) CEQA code and reference information (note: some information is out of date)
- [CEQA FAQ](#) (PDF) Frequently Asked Fish and Game CEQA Questions
- [CEQA and Other Department Public Notices](#)
- [SB 1535](#) (PDF) Changes in filing fees
- [Fish and Game Code Section 711.4 and Section 713](#) Legal information on filing fees

COUNTY CLERK FEE SCHEDULE, continued...

Surety Fees

Power of Attorney for Admitted Surety Insurer - One name.....	\$14.00
Power of Attorney for Admitted Surety Insurer - Each additional name.....	14.00
Financial Statement - Admitted Surety Insurer.....	3.50
Revocation of Power of Attorney.....	5.00

County Clerk's Copy and Certification Fees

Certifying a copy of any filed paper.....	1.75
FAX Copy (Records in office).....	2.00
FAX Copy (Records stored off-site).....	5.00
Copy, Photocopy - Per Page.....	0.50
Comparing Fee - Per Page.....	0.50
Certification of official capacity of Public Officer.....	2.25
Certificate of Proof of Authority of Surety to Act.....	3.00
Certification of Notary Signature (one name).....	10.00
Certification of Notary Signature (additional requests, same notary).....	5.00
Certification of Translation.....	10.00
Acknowledgement in criminal/adoption cases.....	<i>no fee</i>
Requests via the Public Records Act - First Page.....	0.50
Requests via the Public Records Act - Per Additional Page.....	0.10

Filing Fees

Administration of Oath for Humane Officer.....	5.00
Fish & Game documentary handling fee.....	64.00
Laundry supply name, mark, or device.....	1.00
All papers for which a fee is not elsewhere provided.....	2.25

NOTE:

**There is a \$31.00 fee for all returned checks (Ordinance 729.4).
No documents will be returned unless a stamped, self-addressed envelope is included.**

DISCLAIMER: The information contained herein was valid at the time of publication. The Assessor-County Clerk-Recorder reserves the right to modify, change or make improvements at any time, without notice, and assumes no liability for damages incurred directly or indirectly as a result of errors, omissions or discrepancies.

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

Riverside, California

FINAL

**CEQA
INITIAL STUDY**

WEST END MORENO MDP LINE LL, STAGE 1

ZONE 4

October 2012

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

Notice of Determination

Appendix D

To: Office of Planning and Research

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

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

Street Address:
1400 Tenth Street
Sacramento, CA 95814

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

Lead Agency (if different from above):

SUBJECT:

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

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

Project Title:

West End Moreno MDP Line LL, Stage 1

Project Location (include county)

The proposed project is located in the cities of Moreno Valley and Riverside, within Riverside County. The project alignment generally follows Old Highway 215 between Dracaea Avenue and Cottonwood Avenue. The proposed project is located within Township 3 South, Range 4 West, Section 10 of the Riverside East California 7.5 Minute USGS Quadrangle.

Project Description

The proposed project consists of the construction, operation, and maintenance of approximately 1,800 lineal feet of storm drain and improvements to the existing outlet structure and the construction of a new headwall, earthwork for proper drainage, and placement of riprap. The outlet structure and daylight channel is located on vacant land. The storm drain alignment is entirely within existing street right of way and will require the relocation of existing gas utility lines and water meters.

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 November 6, 2012 and has made the following determinations regarding the above described project:

(Date)

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

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



Signature (Public Agency)



Title

10/24/12

Date

Date received for filing at OPR:

Revised 2004

Authority cited: Sections 21083 and 21087, Public Resources Code.
Reference: Sections 21000-21174, Public Resources Code.
P8\149347

MITIGATED NEGATIVE DECLARATION

State Clearinghouse Number: None	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

Address: 1995 Market Street	City: Riverside	Zip: 92501
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Project Title and Description:
The proposed project consists of the construction, operation, and maintenance of approximately 1,800 lineal feet of underground storm drain facility and improvements to the outlet structure involving the construction of a new headwall, earthwork for proper drainage, and placement of riprap. The project will alleviate flooding and provide 100-year storm protection. The outlet structure and daylight channel is located on vacant land. The storm drain alignment is entirely within existing street right of way and will require the relocation of existing gas utility lines and water meters.

Project Location:
The West End Moreno MDP Line LL, Stage 1 project is located in the cities of Moreno Valley and Riverside, within Riverside County. The project alignment generally follows Old Highway 215 between Dracaea Avenue and Cottonwood Avenue. The proposed project is located within Township 3 South, Range 4 West, Section 10 of the Riverside East California 7.5 Minute USGS Quadrangle.

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

Refer to attached Project Features & Environmental Commitments Monitoring Program Table.

Signature:  WARREN D. WILLIAMS General Manager-Chief Engineer	Dated: <u>10/24/12</u>
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The Board of Supervisors of the Riverside County Flood Control and Water Conservation District, assembled in regular session on November 6, 2012 has determined that the West End Moreno MDP Line LL, Stage 1 project will not have a significant adverse effect on the environment and has adopted this Mitigated Negative Declaration.

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

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

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

WEST END MORENO MDP LINE LL, STAGE 1

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

Issue	Potential Impact	Project Feature, Environmental Commitment, Avoidance, Minimization, and/or Mitigation Measures	Action	Implementation Responsibility	Governing Agency	Implementation Timing
III, Air Quality	During construction, there is potential for temporary increases in air pollution.	Air MM-1: The contractor shall be required to comply with the applicable provisions SCAQMD 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 materials offsite, and street sweeping of track out.	Implement applicable dust control measures.	RCFC&WCD (Design and Construction Division)	SCAQMD	During the construction period
IV, Biological Resources	During construction, there is potential to disturb burrowing owls.	Bio MM-1: A pre-construction survey for burrowing owls will be conducted within 30 days prior to site disturbance. Take of active nest(s) shall be avoided. Passive relation (i.e., the use of one-way doors and collapse of burrows) will occur when owls are present outside the nesting season.	A qualified biologist will perform a 30-day pre-construction presence/absence burrowing owl survey.	RCFC&WCD (Design and Construction Division)	CDFG	Prior to construction
V, Cultural Resources	During construction, there is potential to impact cultural resources.	Cult MM-1: If any archaeological or historical resources are discovered during project construction, all work in the area of the find shall cease, and a qualified archaeologist shall investigate the find. If any discovered archaeological or historical resources merit long-term consideration, adequate funding will be provided to collect, curate and report these resources in accordance with standard archaeological management requirements.	Excavation activities will cease if potential historical resources are encountered. A qualified historical resources specialist will be retained to evaluate the resources.	RCFC&WCD (Design and Construction Division)	State Historic Preservation Officer	During excavation activities
	During construction, there is potential to impact cultural resources.	Cult MM-2: If any paleontological resources are discovered during project construction, all work in the area of the find shall cease, and a qualified paleontological resources specialist will evaluate the find. Any discovered paleontological resources that merit long-term consideration, shall be collected and reported in accordance with standard paleontological management requirements.	Excavation activities will cease if potential historical resources are encountered. A qualified paleontological resources specialist will be retained to evaluate the resources.	RCFC&WCD (Design and Construction Division)	None	During excavation activities
V, Cultural Resources	During construction, there is potential to encounter human remains.	Cult MM-3: Per State Health and Safety Code 7050.5, if human remains are encountered during construction, no further disturbance shall occur until the Riverside	Halt construction and notify the County Coroner's Office for proper identification of	RCFC&WCD (Design and Construction Division)	Riverside County Coroner and NAHC	During excavation activities

Issue	Potential Impact	Project Feature, Environmental Commitment, Avoidance, Minimization, and/or Mitigation Measures	Action	Implementation Responsibility	Governing Agency	Implementation Timing
		<p>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>	<p>any human remains found onsite. Contact NAHC to assist, if possible, in disposition of the burial for any human remains found onsite.</p>			
VII. Hazards	Construction activity may uncover potentially hazardous materials.	<p>Hazards MM-1: If previously unknown hazardous wastes/materials are encountered in the field during construction, ground disturbance activities in the vicinity of the discovery shall cease until a qualified hazardous materials management specialist can assess the potentially hazardous substances and, if necessary, develop appropriate management measures for the treatment and disposal of the materials in accordance with applicable laws and regulatory agencies.</p>	<p>If potentially hazardous materials are uncovered, cease ground disturbance near the material until a qualified hazardous materials specialist assesses the materials and provides recommendation for their treatment and disposal.</p>	RCFC & WCD (Design and Construction Division)	To be determined by hazardous material specialist	During excavation activities
XI. Noise	<p>The use of heavy equipment during project construction may temporarily increase noise levels within nearby residential areas.</p> <p>The use of heavy equipment during project construction may temporarily increase noise levels within nearby residential areas.</p>	<p>MM Noise-1: Heavy equipment use that may impact adjacent residential structures shall be limited from 7 a.m. to 5 p.m. Monday through Friday, except under special circumstances approved by the District's General Manager/Chief Engineer.</p> <p>MM Noise-2: Each resident adjacent to the storm drain construction site shall be notified in writing at least three days prior to operating heavy construction equipment near the residences. The notice shall include the expected work schedule and the District's contact information. The District shall alert the construction contractor of any noise complaints and incorporate any feasible and practical techniques which minimize the noise impacts on adjacent residences.</p>	<p>Construction will occur between 7 a.m. and 5 p.m.</p>	RCFC&WCD (Design and Construction Division)	None	During construction
			<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 complaints and feasible corrective measures.</p>	RCFC&WCD (Design and Construction Division)	None	During construction
XV. Transportation and Traffic	Construction activities may impact the routes of emergency service vehicles.	<p>Trans MM-1: At all times during construction, emergency fire or medical vehicles shall have access through the project site.</p>	<p>Contractor will ensure emergency access through construction areas at all times.</p>	RCFC&WCD (Design and Construction Division)	None	During construction

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

California Environmental Quality Act (CEQA) Initial Study

1. **Project title:** West End Moreno MDP Line LL, Stage 1
2. **Lead agency name and address:** Riverside County Flood Control
and Water Conservation District
1995 Market Street
Riverside, CA 92501
3. **Contact person email address and phone number:** Kris Flanigan
kflaniga@rcflood.org
951.955.8581

4. **Project location:**

The West End Moreno MDP Line LL, Stage 1 project is located in the cities of Moreno Valley and Riverside, within Riverside County. The project alignment generally follows Old Highway 215 between Dracaea Avenue and Cottonwood Avenue. The proposed project is located within Township 3 South, Range 4 West, Section 10 of the Riverside East California 7.5 Minute USGS Quadrangle.

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

6. **General plan designation:**

The project is located within the cities of Moreno Valley and Riverside General Plan Land Use Maps. A portion of the alignment is shown to be within a Business Park (BP) in both general plan land use designations; while the other portion of the alignment is within a Residential/Office (R/O) designation shown in the Moreno Valley General Plan.

7. **Description of project:** *(Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or offsite features necessary for its implementation. Attach additional sheets if necessary.)*

West End Moreno MDP Line LL, Stage 1 is an underground installation of approximately 1,800 lineal feet of reinforced concrete pipe (RCP). The RCP will vary from elliptical and circular ranging from 68 x 43 inches to 53 x 34 inches and from 54 to 42 inches, respectively. The project begins north of the intersection of Old Highway 215 and Cottonwood Avenue, continues north along Old Highway 215 and east along Dracaea Avenue for approximately 800 feet (refer to Figure 3). The project will alleviate flooding issues and provide 100-year storm protection.

The project will generally include the following activities:

- A. Acquisition of approximately 200 x 100 feet easement for daylight channel located on vacant land (APN 263-070-059) west of Old Highway 215. Condemnation may be used if necessary.
- B. Construction of Line LL storm drain.
- C. Construction of laterals and catch basins.

- D. Remove and replace existing headwall and wing wall and add placement of riprap.
- E. Grade a daylight channel at the outlet.
- F. Replacement of road surface over the new flood control facilities in street right of way.
- G. Relocation of existing gas utility lines and water meters.
- H. Long term maintenance and operation of the storm facility.

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

The project site and its existing surroundings consist of a mix of commercial, small business, and low density residential homes. The proposed project outlet is currently an undeveloped vacant field.

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

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

None

State Agencies

None

City/County Agencies

City of Moreno Valley - activities within the city maintained roads and utility easements

City of Riverside - activities within the city maintained roads.

Financing Approval or Participation Agreements

None

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

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

<input type="checkbox"/> Aesthetics	<input type="checkbox"/> Mineral Resources
<input type="checkbox"/> Agriculture Resources	<input checked="" type="checkbox"/> Noise
<input checked="" type="checkbox"/> Air Quality and Greenhouse Gas Emissions	<input type="checkbox"/> Population/Housing
<input checked="" 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	

Evaluation of Environmental Impacts:

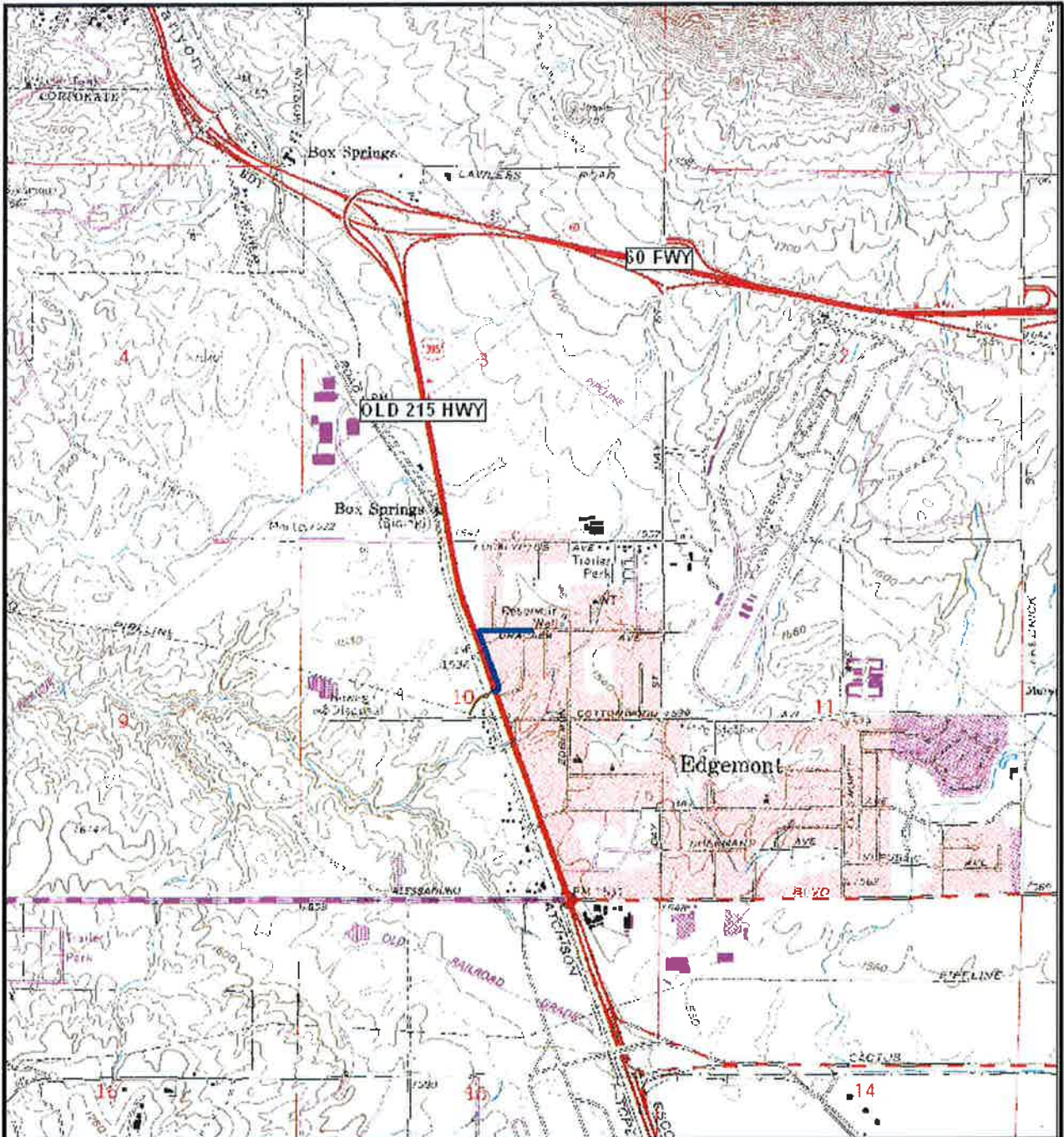
1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (*e.g., the project falls outside a fault rupture zone*). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (*e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis*).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
4. "Negative Declaration: No Impact or Less Than Significant" applies when the proposed project will not have a significant effect on the environment, does not require the incorporation of mitigation measures, and does not require the preparation of an Environmental Impact Report. The lead agency must briefly describe the reasons that a proposed project will not have significant effect on the environment and does not require the preparation of an environmental impact report.
5. "Mitigated Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced any effect from "Potentially Significant Impact" to a "Less Than Significant Impact". The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analyses", as described in (5) below, may be cross-referenced).

6. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. (CEQA Guidelines Section 15063(c)(3)(D)). The use of an earlier analysis as a reference should include a brief discussion that identifies the following:
 - a. Earlier Analysis Used. Identify and state where they are available for review.
 - b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
 - c. Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated", describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
7. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (*e.g., general plans, zoning ordinances*). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
8. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
9. The explanation of each issue should identify:
 - a. The significance criteria or threshold, if any, used to evaluate each question; and
 - b. The mitigation measure identified, if any, to reduce the impact to less than significance.



GENERAL PROJECT LOCATION

<p>RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT</p>	<p>Legend</p>	
<p>WEST END MORENO MDP LINE LL, STAGE 1</p>	<p>— PROPOSED FACILITY — FLOW LINE — FREEWAY</p>	
<p>FIGURE 1</p>		



USGS MAP

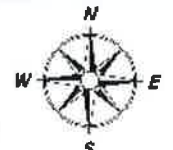
**RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT**

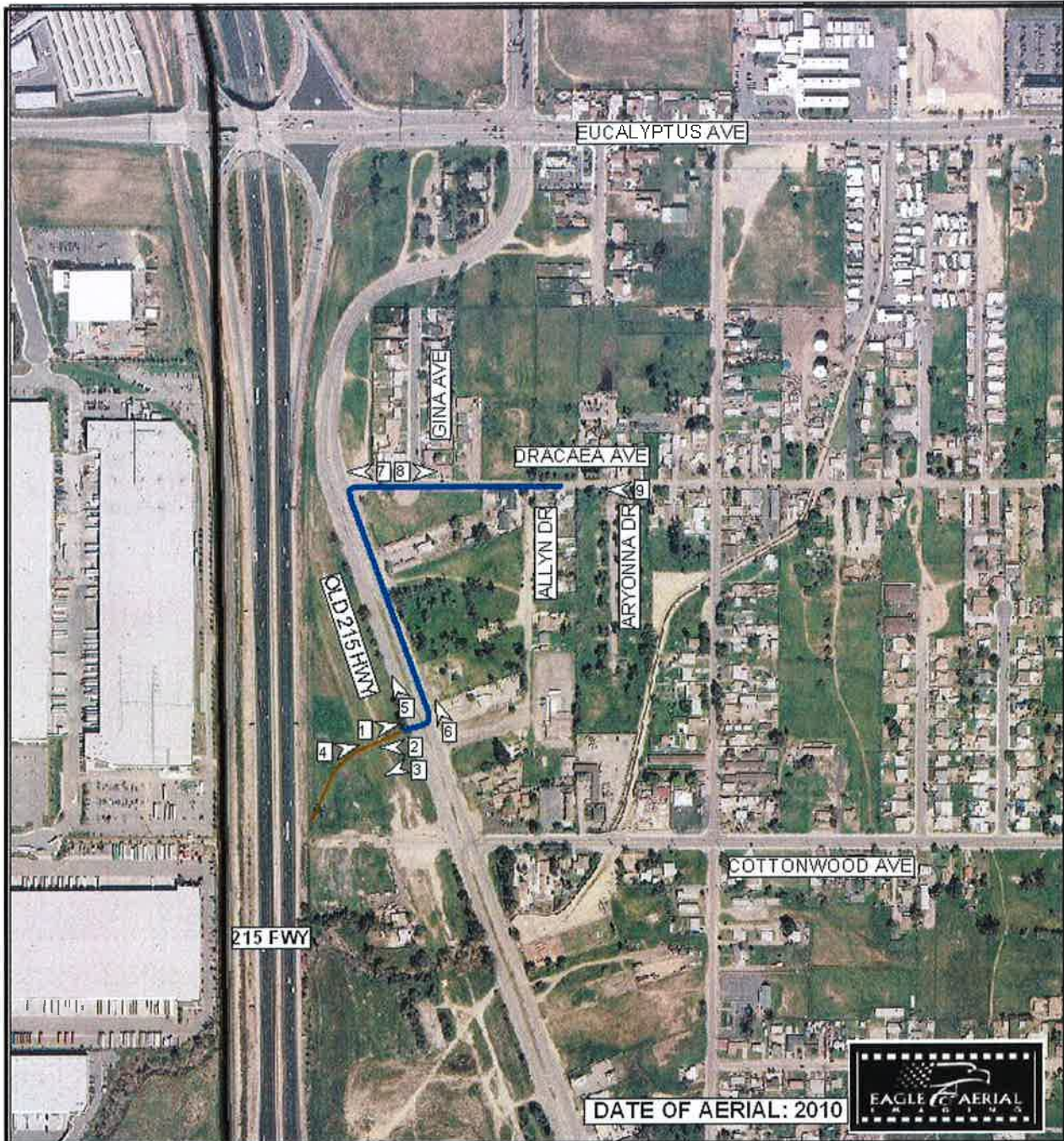
WEST END MORENO MDP LINE LL, STAGE 1

FIGURE 2

Legend

- PROPOSED FACILITY
- FREEWAY AND HIGHWAY









DATE OF AERIAL: 2010



AERIAL MAP AND PHOTO LOCATIONS

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

WEST END MORENO MDP LINE LL. STAGE 1

- Legend
-  PROPOSED FACILITY
 -  FLOW LINE
 -  FREEWAY
 -  PHOTO LOCATION AND NUMBER

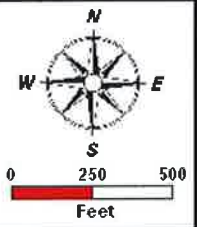


FIGURE 3



Figure 4 – Photo #1: Outlet of existing facility. Facing east onto Old Highway 215.



Figure 5 – Photo #2: Outlet of existing facility. Facing west toward open undeveloped lot.



Figure 6 – Photo #3: Outlet of existing facility. Facing southwest overlooking Interstate Freeway 215.



Figure 7 – Photo #4: Outlet of existing facility further out of the flow path. Facing east of Old Highway 215.



Figure 8 – Photo #5: West side of Old Highway 215 facing north.



Figure 9 – Photo #6: East side of Old Highway 215 facing north.



Figure 10 – Photo #7: Intersection of Dracaea Avenue and Old Highway 215 facing west.



Figure 11 – Photo #8: Intersection of Dracaea Avenue and Gina Avenue facing east.



Figure 12 – Photo #9: Intersection of Dracaea Avenue and Arvonna Street facing west.

I. AESTHETICS. Would the project:

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

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

- | | | | | | |
|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) | Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) | Conflict with existing agricultural zoning, agricultural use or land subject to a Williamson Act contract or land within a Riverside County Agricultural Preserve? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) | Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) | Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) | Result in the loss of forest land or conversion of forest land to non-forest use? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

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

- | | | | | | |
|----|--|--------------------------|--------------------------|-------------------------------------|--------------------------|
| a) | Conflict with or obstruct implementation of the applicable air quality plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|----|--|--------------------------|--------------------------|-------------------------------------|--------------------------|

		Potential Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c)	Result in cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (<i>including releasing emissions which exceed quantitative thresholds for ozone precursors</i>)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d)	Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e)	Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f)	Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g)	Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

IV. BIOLOGICAL RESOURCES. Would the project:

a)	Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b)	Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c)	Have a substantial adverse effect on biological resources involved within a jurisdictional water feature as defined by federal, state or local regulations (e.g., Section 404 of the Clean Water Act, Section 401 of the Clean Water Act, Section 1602 of California Fish and Game Code, Porter-Cologne Water Quality Control Act, etc.) through direct removal, filing, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d)	Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e)	Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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- | | | | | | |
|----|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| f) | Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|----|---|--------------------------|--------------------------|-------------------------------------|--------------------------|

V. CULTURAL RESOURCES. Would the project:

- | | | | | | |
|----|--|--------------------------|-------------------------------------|-------------------------------------|--------------------------|
| a) | Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b) | Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5? | <input type="checkbox"/> | <input 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 type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

VI. GEOLOGY AND SOILS. Would the project:

- | | | | | | |
|------|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) | Expose people or structures to potential substantial adverse effects, including the risk of loss, injury or death involving: | | | | |
| i) | Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a Known fault? Refer to Division of Mines and Geology Special Publication 42. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| ii) | Strong seismic ground shaking? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| iii) | Seismic-related ground failure, including liquefaction? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| iv) | Landslides or mudflows? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) | Result in substantial changes in topography, unstable soil conditions from excavation, grading or fill, or soil erosion or the loss of topsoil? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) | Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d) | Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994 or most current edition), creating substantial risks to life or property? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

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Unless
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Incorporated

Less than
Significant
Impact

No
Impact

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

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?
- 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?
- c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?
- 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?
- 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?
- 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?
- g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?
- h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where Wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

VIII. HYDROLOGY AND WATER QUALITY. Would the project:

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

		Potential Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
c)	Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (<i>e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted</i>)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>
e)	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f)	Create or contribute runoff water, which would exceed the capacity of existing or planned stormwater drainage systems?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g)	Place housing within a 100-year flood hazard area as mapped on Federal Flood Hazard boundary of Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h)	Place structures or fill within a 100-year flood hazard area, which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i)	Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j)	Expose people or structures to a significant risk of loss, injury or death involving inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

IX. LAND USE PLANNING. Would the project:

- | | | | | | |
|----|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) | Physically divide an established community? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) | Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

X. MINERAL RESOURCES. Would the project:

- | | | | | | |
|----|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) | Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 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"/> |

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 checked="" type="checkbox"/> | <input 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 type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) | A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) | A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e) | For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| f) | For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

XII. POPULATION AND HOUSING. Would the project:

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

XIII. PUBLIC SERVICES

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

Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

XIV. RECREATION

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

XV. TRANSPORTATION AND TRAFFIC. Would the project:

- a) Conflict with an adopted plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?
- b) Conflict with an adopted congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the appropriate congestion management agency for designated roads or highways?
- c) Substantially increase hazards due to a design feature (*e.g., sharp curves or dangerous intersections*) or incompatible uses (*e.g., farm equipment*)?
- d) Would the project result in inadequate emergency access?
- e) Would the project result in inadequate parking capacity?

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

- | | | | | | |
|----|--|--------------------------|--------------------------|-------------------------------------|--------------------------|
| f) | Conflict with adopted policies, plans, or programs regarding public transit, bicycle, pedestrian facilities, or other alternate transportation or otherwise decrease the performance or safety of such facilities? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|----|--|--------------------------|--------------------------|-------------------------------------|--------------------------|

XVI. UTILITIES AND SERVICE SYSTEMS. Would the project:

- | | | | | | |
|----|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) | Impact the following facilities requiring or resulting in the construction of new facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | | | | |
| | Electricity | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Natural Gas | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Communication System | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Street lighting | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Public facilities, including roads and bridges | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) | Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) | Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) | Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) | Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f) | Comply with federal, state, and local statutes and regulations related to solid waste? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

XVII. MANDATORY FINDINGS OF SIGNIFICANCE.

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

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

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

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

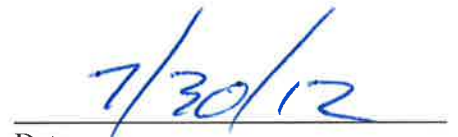
DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described on an attached sheet have been added to the project. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets, if the effect is a "potentially significant impact" or "potentially significant unless mitigated." An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, there WILL NOT be a significant effect in this case because all potentially significant effects (a) have been analyzed adequately in an earlier EIR pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR, including revisions or mitigation measures that are imposed upon the proposed project.



Signature



Date

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

ENVIRONMENTAL EVALUATION

I. AESTHETICS. Would the project:

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

No Impact. The proposed project is located within a residential/office, business park, and vacant land zoned area as described in the cities of Moreno Valley and Riverside General Plans. The proposed storm drain system will be constructed underground within street right of way and outlet into a disturbed vacant area adjacent to the Interstate 215 Freeway. Thus, the project will not have any adverse effect on a scenic vista.

Source: Project Design, RGP, MVGP

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

No Impact. Refer to Response Ia). Major trees, rocks outcroppings or historic buildings are not located within the proposed project alignment nor is there a State scenic highway located within the project area.

Source: Project Design

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

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

Source: Project Design

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

No Impact. The proposed project is an underground storm drain and outlet structure; both of which will not create new or additional light or glare during construction or operation and maintenance of the facility.

Source: Project Design

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

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

No Impact. According to Figure OS-2 of the Riverside County General Plan, the proposed project site is not located within areas designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance.

Source: RCIP

IIb) Conflict with existing agricultural zoning, agricultural use or land subject to a Williamson Act contract or land within a Riverside County Agricultural Preserve?

No Impact. As shown on the County of Riverside and cities of Moreno Valley and Riverside General Plans, the proposed project is not located within areas zoned for agricultural use or areas subject to a Williamson Act Contract. Therefore, the proposed project would not conflict with existing agricultural uses.

Source: RCIP, RGP, MVGP

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

No Impact. According to the RCIP and RGP, the vacant land used for the proposed outlet area is designated as Farmland of Local Importance. The project will have a small impact to the vacant land from grading and construction for the outlet structure, however, the vacant land is not currently used for agricultural farming. The project involves the construction, operation, and maintenance of a storm drain system mostly within the existing streets; it will not involve changes to the vacant land or the existing environment that would result in the conversion of farmland to non-agricultural use. Therefore, the farmland will not be directly or indirectly impacted as a result of the proposed project.

Source: Project Design, Department of Conservation, RCIP

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

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

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

Source: RCIP, California Public Resources Code Sections 12220(g) and 4526, and California Government Code Section 51104(g)

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

No Impact. The proposed project will not result in the loss or conversion of forest land. See Response IId).

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

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

Less than Significant Impact. The proposed project is located within the South Coast Air Basin (SCAB). The SCAB is considered a moderate nonattainment area for the National Ambient Air Quality Standards (NAAQS) for 8-hour ozone (O₃) and for suspended particulate matter less than or equal to 2.5 microns in diameter (PM_{2.5}). SCAB is also considered a nonattainment area for the California Ambient Air Quality Standards (CAAQS) for O₃, PM_{2.5} and suspended particulate matter less than or equal to 10 microns in diameter (PM₁₀). The South Coast Air Quality Management District (SCAQMD) regulates air quality emissions within the SCAB and has prepared a series of Air Quality Management Plans (AQMP), the most recent of which was adopted by the Governing Board of the SCAQMD on June 1, 2007 (2007 AQMP). The 2007 AQMP is designed to meet applicable Federal and State requirements, including attainment of ambient air quality standards. To assess the impacts of project-related construction and operational emissions, the SCAQMD has established regional significance thresholds.

As described below in Response IIIb), construction and subsequent maintenance emissions from the proposed project will only result in temporary, less than significant impacts to air quality.

Source: AQMP, SCAQMD

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

Potentially Significant Unless Mitigation Incorporated: The SCAQMD has established regional and localized significance thresholds to help assess the impacts of project-related construction and operation emissions. Construction and operational emissions from the project that are below these thresholds are considered less than significant. Subsequent operation and maintenance of the proposed flood control facility is expected to release infrequent and minor air emissions associated with trucks used on an as-needed bases for inspection or maintenance purposes.

Temporary construction emissions would result from heavy equipment exhaust, construction-related trips by workers, and associated fugitive dust generation from excavation and grading activities. Construction emissions thresholds as recommended by the SCAQMD and estimated construction emissions for the project are noted below. The estimated construction emissions are calculated using the CalEEmod 2011.1.1 air pollution emissions model. The equipment used in the Model assumptions is listed below in Table 1. The total disturbance area is approximately 11.08 acres.

Table 1
CalEEmod Model Construction Equipment Assumptions

Construction Phase	Equipment Type	Amount	Duration
Storm Drain Installation/Grading	Excavators	2	3 Months
	Trucks	2	
	Rubber Tired Loaders	1	
	Skid Steer Loaders	1	
Paving	Pavers	1	1 Month
	Rollers	1	
	Tractors/Loaders/Backhoes	1	
	Paving Equipment	1	

Table 2
West End Morneo MDP Line LL Air Quality Model and Local Significant Threshold Table
Project number: 4-0-00783-01

Storm Drain Installation/Grading						
Emission Source (lbs/day)	ROG	NO_x	CO	SO_x	PM₁₀	PM_{2.5}
Total Emissions (Mitigated)	7.22	53.29	27.22	0.06	7.32	2.92
Regional Significance Thresholds	75	100	550	150	150	55
On-Site Emissions (Mitigated)	6.96	51.25	25.05	0.06	3.18	2.82
Localized Significance Threshold (SRA 24, Perris Valley)	N/A	118	602	N/A	4	3
<i>Above (Regional/Local) Significance Thresholds</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>
Paving Construction						
Emission Source (lbs/day)	ROG	NO_x	CO	SO_x	PM₁₀	PM_{2.5}
Total Emissions (Mitigated)	3.73	22.72	14.9	0.02	2.15	1.96
Regional Significance Thresholds	75	100	550	150	150	55
On-Site Emissions (Mitigated)	3.65	22.11	13.69	0.02	1.93	1.93
Localized Significance Threshold (SRA 24, Perris Valley)	N/A	118	602	N/A	4	3
<i>Above (Regional/Local) Significance Thresholds</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>

The construction emission estimates are based on every piece of equipment operating a full 8 hours per day (though during actual construction, some equipment will sit idle). To account for construction material related trips, a 3-vendor trip/day assumption was made for both construction and paving phases. To mitigate Fugitive Dust emissions, watering the exposed area is assumed at a frequency of 3 times per day and at a 61 percent reduction for both PM₁₀ and PM_{2.5}. See Appendix A "CalEEmod 2011.1.1 Printout" for the detailed emissions reports.

Based on the estimated values shown in Table 2, the temporary construction emissions for Nitrogen Oxides, Reactive Organic Gases, Sulfur Oxides, Carbon Monoxides and Particulate Matter from the project will not exceed the SCAQMD's recommended Regional and Local significant thresholds for construction.

In addition, compliance with Rule 403 for the control of fugitive dust would ensure that the project would not violate any air quality standard or contribute substantially to an existing or

project air quality violation. Implementation of the following measure would ensure impacts remain less than significant:

Air MM-1 The contractor shall be required to comply with the applicable provisions SCAQMD 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 materials offsite, and street sweeping of track out.

Source: Project Design, CARB, SCAQMD, CalEEmod

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

Less than Significant Impact. The SCAB is designated as a non-attainment area for ozone (O₃) and particulates (PM_{2.5} and PM₁₀). Construction emissions, as shown in Response IIIb), would be temporary and would not exceed daily construction emissions significance thresholds. As a result, the project will not result in a cumulative considerable net increase of any criteria pollutant.

Source: SCAQMD

III d) Expose sensitive receptors to substantial pollutant concentrations?

Less than Significant Impact. Sensitive receptors include the residential homes and small businesses along the project alignment. The SCAB is a nonattainment area for several criteria pollutants. Although the CalEEmod modeling software does not estimate ozone emissions, NO_x and ROG are considered precursors to ozone formation.

According to Table 2 above, emissions will remain below the daily emissions thresholds. Therefore, the project is not expected to expose sensitive receptors to substantial pollutant concentrations.

Source: SCAQMD

IIIe) 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

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

Less than Significant Impact. On June 1, 2005, Governor Arnold Schwarzenegger signed Executive Order S-3-05 which sets forth a series of target dates by which statewide greenhouse gas (GHG) emissions would be reduced to as follows: 1) 2000 levels by the year 2010; 2) 1990 levels by the year 2020; and 3) eighty percent (80%) below the 1990 levels by the year 2050. In 2006, the California State Legislature adopted AB 32 (Global Warming

Solutions Act of 2006) and the Governor signed it into law. AB 32 requires the California Air Resources Board (CARB), the State agency charged with regulating statewide air quality, to adopt rules and regulations that would achieve GHG emissions equivalent to statewide levels in 1990 by the year 2020. GHG as defined under AB 32 include carbon dioxide (CO₂), methane, nitrous oxide, sulfur hexafluoride, hydrofluorocarbons, and perfluorocarbons. CO₂ has been identified as the most important anthropogenic GHG because it comprises the majority of total GHG emissions emitted per year and it is very long-lived in the atmosphere.

The main source of GHG emissions associated with the Project is the previously described short-term emissions related to the use of heavy equipment. CalEEMod v 2011.1.1 estimated that the temporary project construction emissions will be approximately 226.0 MTCO_{2eq/yr} for 2012. Subsequent operation and maintenance of the project is expected to release infrequent and minor GHG emissions far less than the estimated 2012 construction emissions.

Currently, there are no established significance thresholds from Federal or State agencies. However, in October 2008, the CARB and SCAQMD issued the draft "Recommended Approaches for Setting Interim Significance Thresholds for Greenhouse Gases under the California Environmental Quality Act" and the "Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold", respectively. Each agency's draft guidance material represents a potential analytical framework for addressing CEQA significance thresholds for GHG. In general, interim GHG thresholds of 7,000 and 10,000 MTCO_{2eq/yr} are recommended by CARB and SCAQMD, respectively. The GHG emissions of the 226.0 MTCO_{2eq/yr} for 2012 is well below the available interim GHG threshold recommended by the CARB and SCAQMD. Therefore, the project will not generate GHG emissions that would cause significant direct and indirect impacts on the environment.

Source: CARB, SCAQMD

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

Less than Significant Impact. As described in Response IIIf) above, the GHG emissions generated by the proposed project would not conflict with any currently adopted plans, policies, or regulations established for the purpose of reducing the greenhouse gases.

IV. BIOLOGICAL RESOURCES. Would the project:

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

Potentially Significant Unless Mitigation Incorporated. Most of the proposed underground storm drain project will be constructed within street right of way. The storm drain outlet structure and riprap will be constructed on disturbed but undeveloped land. Potential habitat for species identified as candidate, sensitive or special status does not exist within the project footprint.

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

the freeway, commercial businesses, and residences, suitable habitat does not appear to exist in the project area for any of the sensitive species listed in the database.

The proposed project will not have a substantial adverse effect, directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service.

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 and Reche Canyon/Badlands Area Plans for the cities of Riverside and Moreno Valley. The RCIP online Conservation Summary Report Generator was used to determine biological survey requirements under the MSHCP. According to the RCIP Report Generator, the project area is not within a criteria cell and is outside any special species habitat assessment survey areas, however, the storm drain outlet area is adjacent to a burrowing owl habitat assessment area.

A burrowing owl site reconnaissance survey has been conducted by District staff on April 4, 2012. The site generally consists of sandy and loose soils and contains a few rock piles. Several burrows were observed onsite, however, there was no evidence of burrowing owl occupancy near the burrow entrances (i.e. molted feathers, cast pellets, prey remains, eggshell fragments, or excrement). The rock piles were also inspected, and also resulted in a negative finding for owl occupancy. The site contains suitable habitat for burrowing owls; although there were no owls observed during this site visit, implementation of the following mitigation measure will ensure avoidance:

Bio MM-1: A pre-construction survey for burrowing owl will be conducted within 30 days prior to site disturbance. Take of active nest(s) shall be avoided. Passive relation (i.e., the use of one-way doors and collapse of burrows) will occur when owls are present outside the nesting season.

Source: MSHCP, RCIP, GIS

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

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

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

No Impact. As defined by Section 404 of the Clean Water Act, wetlands are "those areas that are inundated or saturated by surface or groundwater at the frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions".

Wetlands do not currently exist on the project site. The proposed project area is along Dracaea Avenue and Old Highway 215, and outlets into a disturbed vacant area (refer to **Figures 6 through 12** of this document); none of which meet the definition of Water of the United States (WUS) or Water of the State of California (WSC).

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

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

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

Refer to Responses IVa) and IVb) above.

Source: Project Design, GIS, ACOE, CDFG

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

No Impact. Migratory fish or wildlife species do not currently exist on the project site. Please refer to Responses IVa) and IVc) above.

Source: Project Design

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

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

Source: Project Design

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

Less than Significant Impact. On June 17, 2003, the Riverside County Board of Supervisors adopted the MSHCP. The MSHCP is a comprehensive, multi-jurisdictional

habitat conservation plan focusing on the conservation of species and their associated habitat in Western Riverside County. The Riverside County Flood Control and Water Conservation District (District) is a MSHCP permittee and the proposed project must fulfill all applicable MSHCP sections. Applicable MSHCP sections include Section 3.2.1 (Criteria Area and Public/Quasi Public Lands), Section 6.1.2 (Riparian/Riverine Areas and Vernal Pools), Section 6.1.3 (Narrow Endemic Plant Species), Section 6.1.4 (Urban/Wildlife Interface Guidelines), Section 6.3.2 Additional Surveys, Section 7.5.3 (Construction Guidelines) and Appendix C:

- **Section 3.2.1, P/QP Lands and Criteria Cells** – The proposed project is not located within areas designated as Criteria Areas or Public/Quasi Public (P/QP) Lands by the MSHCP. Except for the outlet, the proposed project is an underground storm drain facility located primarily within existing street right of way.
- **Section 6.1.2, Protection of Species Associated with Riparian/Riverine Areas and Vernal Pools** – Riparian/Riverine and Vernal pools as defined in Section 6.1.2 of the MSHCP are not present within the project area. In addition, the project area lacks suitable habitat for species listed in Section 6.1.2 of the MSHCP. Therefore, no further analysis or survey is required under Section 6.1.2 of the MSHCP.
- **Section 6.1.3, Protection of Narrow Endemic Species** – The project is not located within a mapped survey area for the Narrow Endemic Plant Species. Therefore, no habitat assessment or survey is required under Section 6.1.3 of the MSHCP.
- **Section 6.1.4, Urban/Wildlands Interface Requirements** – The project site is not in proximity to a MSHCP conservation area. In addition, the project would not result in long-term adverse edge effects such as drainage, toxics, lighting, noise, or invasive species that would affect biological resources within areas proposed for MSHCP conservation.
- **Section 6.3.2, Additional Survey Needs and Procedures** – The project area is not located within a MSHCP amphibian species survey area or MSHCP mammalian survey areas for San Bernardino Kangaroo rat and Los Angeles pocket mouse, however, the storm drain outlet area is adjacent to a burrowing owl habitat assessment area. As discussed in Response IVa) above, a reconnaissance was performed and concluded that the site contains suitable habitat for burrowing owls; and although there were no owls observed during this site visit, a pre-construction burrowing owl survey will be conducted within 30 days prior to site disturbance.
- **Section 7.5.3, Construction Guidelines for Facilities within Criteria Areas and P/QP Lands and Standard Best Management Practices, Appendix C** – The proposed project is not located within any criteria area and P/QP Lands, therefore, Section 7.5.3 does not apply to the project. However, the District will implement applicable Standard Best Management Practices as outlined in Appendix C of the MSHCP.

Additionally, the District will pay the MSHCP mitigation fee in accordance with Section 13.4 Provision B of the MSHCP Implementing Agreement. Based on the above discussion, the project is consistent with the MSHCP.

Source: MSHCP

V. CULTURAL RESOURCES. Would the project:

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

Potentially Significant Unless Mitigation Incorporated. The District received the cultural resource records search from the Eastern Information Center (EIC) on January 17, 2012. The EIC records search indicates that five cultural resource studies have been conducted within a quarter-mile radius of the project area. Four of these studies involved a portion of the project area. The EIC also consulted the National Register of Historic Places (NRHP), the California Office of Historic Preservation (OHP), and the 1901 and 1942 USGS Riverside 15' topographic maps. The NRHP and OHP did not include any listed properties within the project area. The 1901 and 1952 USGS maps do not indicate the presence of possible historical structures or features within the boundaries of the project area.

The majority of the project alignment is located within existing paved street right of way except for the outlet structure, riprap and graded daylight channel which will be placed in an undeveloped and disturbed vacant area. According to the site visit, there is a clear vehicle trail that runs through the vacant area where there appears to be a gas utility warning sign which indicates there have been past disturbances within the area.

Based on this information, the project area is considered to be heavily disturbed and it is unlikely that any impacts to significant cultural resources within the project alignment could occur as a result from the project. However, to ensure that potential impacts to unknown historical resources are avoided or reduced to a less than significant level, the project will incorporate the following mitigation measure:

Cult MM-1: If any archaeological or historical resources are discovered during project construction, all work in the area of the find shall cease, and a qualified archaeologist shall investigate the find. If any discovered archaeological or historical resources merit long-term consideration, adequate funding will be provided to collect, curate and report these resources in accordance with standard archaeological management requirements.

Source: EIC, Project Design

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

Less than Significant Impact. The District received the Sacred Lands File (SLF) search from the Native American Heritage Commission (NAHC) on December 29, 2011. The SLF failed to indicate the presence of Native American cultural resources within a one-half mile radius of the project area. This information does not preclude the potential for uncovering buried cultural resources during construction. In accordance with the NAHC recommendations, all the Native American tribes in the region were contacted regarding information that they may have concerning Native American cultural resources in the project area. The Soboba Band of Luiseno Indians concluded that the project site falls within the bounds of their Tribal Traditional use Area and requested further consultation, if needed. The Soboba Band will be included in the distribution list for the Initial Study. The Cahuilla Band of Indians and the Rincon Band of Luiseno have requested to be informed if any significant findings are made within the project area. To ensure that any accidentally uncovered cultural

resources are properly evaluated and documented, the previously described condition "Cult-MM-1" will be incorporated into the project.

Source: NAHC

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

Potentially Significant Unless Mitigation Incorporated. According to MVGP-FEIR (Figure 5.10-3) the underground storm drain alignment is within a low potential for paleontological sensitivity; and the RGP-FEIR (Figure 5.52) shows the outlet structure and riprap will be placed in a medium sensitive area. The project alignment and its surrounding area have been previously disturbed. 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 project:

Cult MM-2: If any paleontological resources are discovered during project construction, all work in the area of the find shall cease, and a qualified paleontological resources specialist will evaluate the find. Any discovered paleontological resources that merit long-term consideration, shall be collected and reported in accordance with standard paleontological management requirements.

Source: Project Design, MVGP-FEIR, RGP-FEIR

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

Less than Significant Impact. It is unlikely that human remains will be uncovered because the project alignment is mostly within street right of way and the project area has already been highly disturbed. However, in the unlikely event that human remains are accidentally uncovered on the project site, the following condition will ensure that potential impacts remain less than significant:

Cult MM-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 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: EIC, SLF, State Health and Safety Code 7050.5; Public Resources Code 5097.98; Project Design

VI. GEOLOGY AND SOILS. Would the project:

VIa) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area

or based on other substantial evidence of a Known fault? Refer to Division of Mines and Geology Special Publication 42.

No Impact. According to Figure S-2 of the Riverside County General Plan (RCIP), the project site is not located within or near a currently delineated State of California Alquist-Priolo Earthquake Fault Zone. In addition, the MVGP-FEIR and RCP-FEIR (Figure 5.6-2 of each document) does not show any known faults mapped within the project area. Furthermore, the Riverside County Land Information System indicates that the proposed project is not located within a Fault Zone or within one half mile of any known fault. Therefore, the proposed project will not expose people or structures to potential substantial adverse effects resulting from seismic activity.

Source: RCIP, GIS, MVGP-FEIR, RCP-FEIR

ii) Strong seismic ground shaking?

Less than Significant Impact. According to Figure S-12 of the Riverside County General Plan, the project area is located within an area of "extremely high" risk for seismic ground shaking. However, the District's routine inspection and maintenance activities will ensure that the storm drain system is repaired if damage does occur during a seismic event. Consequently, the project would not expose people or structures to potential substantial adverse effects involving seismic ground shaking.

Source: RCIP, GIS

iii) Seismic-related ground failure, including liquefaction?

Less than Significant Impact. According to Figure S-3 of the Riverside County General Plan, the project area is located within an area of "low" susceptibility for liquefaction. The project area is not within a potential liquefaction zone as shown in Figure 5.6-2 (MVGP-FEIR). The proposed project is a storm drain facility located within existing street right of way and, furthermore will be designed in accordance with the applicable recommendations of the geotechnical engineer. The District's routine inspection and maintenance activities will ensure that the storm drain system is repaired if damage does occur during a seismic-related ground failure, including liquefaction. Consequently, the project would not expose people or structures to potential substantial adverse effects involving seismic-related ground failure.

Source: Project Design, GIS, RCIP, MVGP

iv) Landslides or mudflows?

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

Source: RCIP, GIS

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

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

Source: Project Design

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

Less than Significant Impact. According to Figure S-7 of the Riverside County General Plan, the proposed project is located in an area that may be susceptible to subsidence. The proposed project will be designed and constructed in accordance with the applicable recommendations in the geotechnical analysis prepared for the project, therefore, impacts relating to on-site or off-site landslide, lateral spreading, subsidence, liquefaction or collapse will be less than significant. See Responses VIa) iii) and VIa) iv).

Source: Project Design, RCIP

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

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

Source: Project Design, Geotechnical Report

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

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

Source: Project Design

VII. HAZARDS AND HAZARDOUS MATERIALS. Would the project:

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

Less than Significant Impact. Construction and subsequent maintenance of the proposed project does not involve the routine use or transport of hazardous materials beyond the short-term use of petroleum-based fuels, lubricants, pesticides and other similar materials during construction. The construction phase may include the transport of gasoline and diesel fuel to the project site and on-site storage for the sole purpose of fueling construction equipment.

BMPs stipulating proper storage of hazardous materials and vehicle fueling will be implemented during construction. All transport, handling, use and disposal of substances such as petroleum products, solvents and paints related to operation and maintenance of the proposed project will comply with all Federal, State and local laws regulating the management and use of hazardous materials. The proposed project will not create a significant hazard to the public or the environment. Therefore, impacts relating to creating a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials will be less than significant.

Source: Project Design

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

Less than Significant Impact. The project will comply with measures including construction BMPs, transport and handling laws regulating the management and use of hazardous materials, potential impacts will be reduced to less than significant. See Response VIIa).

Source: Project Design

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

No Impact. There is not an existing or proposed school within a one-quarter mile of the project site.

Source: Project Design

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

Less than Significant Impact. A review of the Department of Toxic Substances Control's Hazardous Waste and Substance List (Cortese List) indicated that the proposed project is not located on any identified hazardous materials site. In addition the Environmental Protection Agency's (EPA) EnviroMapper indicates that there are no listed hazardous material sites within the project area.

The State Water Resources Control Board's Leaking Underground Storage Tank (LUST) Geotracker database has indicated within the project alignment that there is an open case for a site cleanup. There are currently several monitoring wells located near the intersection of Old Highway 215 and Dracaea Avenue. The wells are monitoring the cleanup caused by a former Shell gasoline station's leaking underground storage tank. The tanks were removed in February 1989 and monitoring from their cleanup commenced in March of 1995. The Regional Board has informed the District that the hazardous pollutants of concern are located between 41 to 45 feet below the ground surface; and that the Project's expected excavation depths of 15 feet below ground surface will have a low risk of encountering any of those pollutants. Therefore, the Project would not create a significant hazard to the public or the environmental.

Additionally, in the unlikely event of discovery of any previously unknown hazardous materials during construction, the following measures shall be implemented.

Hazards MM-1: If previously unknown hazardous wastes/materials are encountered in the field during construction, ground disturbance activities in the vicinity of the discovery shall cease until a qualified hazardous materials management specialist can assess the potentially hazardous substances and, if necessary, develop appropriate management measures in coordination with the appropriate regulatory agencies.

Source: DTSC, SWRCB, EPA

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

No Impact. The project is not located within an airport land use plan or within two miles of a public or public use airport (see Figures 2 and 4).

Source: Google Earth

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

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

Source: Google Earth

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

No Impact. Neither the construction nor subsequent maintenance of the project is expected to impair implementation of or physically interfere with the County's Emergency Operation Plan and Multi-Jurisdictional Local Hazard Mitigation Plan. Vehicular access will be maintained and detours will be provided during project construction. It is also standard practice for the District to notify public safety agencies prior to commencing project construction activity.

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

Source: Project Design, EOP

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

Less than Significant Impact. According to the California Department of Forestry and Fire Protection, the proposed project is not subject to wildland fire hazards. In addition, Figure S-11 of the Riverside County General Plan, Figure 5.7-3 of the RGP-FEIR, and Figure 5.5-2 of the MVGP-FEIR all show that the project area is not subject to risk of wildland fire hazards.

Therefore, the proposed storm drain project would not expose people or structures to an increased risk of wildfire beyond current conditions.

Source: RCIP, California Department of Forestry and Fire Protection, RGP-FEIR, MVGP-FEIR

VIII. HYDROLOGY AND WATER QUALITY. Would the project:

VIIIa) Violate or conflict with any adopted water quality standards or waste discharge requirements?

Less than Significant Impact. The proposed project consists of the construction, operation and maintenance of an underground storm drain system. The proposed project will not create new sources of stormwater pollutants, however, it will collect, convey and discharge stormwater runoff emanating from developed areas that may already produce pollutants. During the construction phase, the potential for short-term discharges of sediment, hydrocarbons or other pollutant associated with stormwater runoff from the construction site may be increased. The District's contractor will implement appropriate BMPs in compliance with the NPDES General Permit for Stormwater Discharges Associated with Construction Activity. The District is also required to comply with the NPDES Municipal Separate Storm Sewer System (MS4) permit issued by the Santa Ana Regional Water Quality Control Board (SARWQCB). Compliance with these established programs will ensure that the project would not result in substantial discharges of typical stormwater pollutants.

Source: Project Design, NPDES, SARWQCB

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

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

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

Less than Significant Impact. The proposed project consists of the construction, operation, and maintenance of an underground storm drain system and does not involve the withdrawal of groundwater. Groundwater removal during excavation is not expected. The proposed project will collect and convey stormwater runoff within an underground storm drain system which will be located under the existing paved streets of Dracaea Avenue and Old Highway 215, and will outlet into a vacant undeveloped area just west of Old Highway 215 where the stormwater will percolate.

Source: Project Design

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

Less than Significant Impact. The proposed project will not substantially alter a watercourse or wetland. The proposed project lies within an area that is already developed and will not alter the existing or proposed land use within the project area. Riprap will be placed to avoid erosion from increased velocities at the outlet. Therefore, the proposed project will not increase the quantity of surface water runoff nor will drainage patterns in the project area be altered in a manner which would result in substantial erosion or siltation on-site or off-site.

Source: Project Design

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

Less than Significant Impact. The proposed project consists of the construction, operation, and maintenance of an underground storm drain system located within existing street right of way. The proposed storm drain system will safely collect and convey stormwater runoff through the project area and discharge it to a disturbed vacant area along the Interstate 215 Freeway. The project will not substantially alter the existing drainage pattern of the site or area in a manner which would result in substantial flooding on or offsite. The proposed project will relieve local flooding problems by providing needed drainage facilities in the area.

Source: Project Design

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

Less than Significant Impact. The project is to improve the existing stormwater drainage system. Therefore, the project will not increase runoff water which would exceed the capacity of existing or planned stormwater drainage systems.

Source: Project Design

- VIII g) Place housing within a 100-year flood hazard area as mapped on Federal Flood Hazard boundary of Flood Insurance Rate Map or other flood hazard delineation map?**

No Impact. The proposed project will not 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. The proposed project is capable of conveying the 100-year storm event, which will result in a beneficial impact.

Source: Project Design

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

No Impact. The proposed project is not located within a 100-year flood hazard area as mapped on a Federal Flood Hazard Map. The proposed project will reduce the exposure of people and property to local flood hazard.

Source: Project Design

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

No Impact. The proposed project would not expose people or structures to a significant risk involving flooding as a result of the failure of a levee or dam. The proposed project will increase the existing level of flood protection for nearby existing development.

Source: Project Design

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

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

Source: Project Design

IX. LAND USE PLANNING. Would the project:

IXa) Physically divide an established community?

No Impact. The proposed project consists of the construction, operation, and maintenance of an underground storm drain system located mostly within street right of way. Therefore, the proposed project would not physically divide an established community.

Source: Project Design

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

No Impact. The underground storm drain project will not conflict with the land use plans, policies, or regulations set forth by Riverside County, City of Moreno Valley, and City of Riverside.

Source: Project Design, RGP, MVGP, RCIP

X. MINERAL RESOURCES. Would the project:

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

No Impact. Sections 2761(a), (b) and 2790 of the State's Surface Mining and Reclamation Act (SMARA) provide for a mineral lands inventory process termed classification-designation. The California Division of Mines and Geology, and the State Mining and Geology Board are responsible for administering this process and have statutory authority.

Areas are classified on the basis of geologic factors, without regard to existing land use and land ownership. The areas are categorized into four Mineral Resource Zones (MRZs).

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

According to Figure 5.10-1 of the RGP-FEIR, the project outlet structure and riprap area is classified by the State of California as an MRZ-4. This classification indicates that there is insufficient data to assign any other MRZ designation.

The proposed project is an underground storm drain system located mostly within 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. Therefore, the proposed project would not result in the loss of availability of known mineral resources which would be of value to the region and the residents of the state.

Source: RCIP, MVGP, RGP

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

No Impact. The proposed project site is not located within a delineated mineral resource recovery area. Refer to Response Xa).

Source: RCIP

XI. NOISE. Would the project result in:

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

Potentially Significant Unless Mitigation Incorporated. The proposed project would involve the temporary and intermittent use of construction equipment for various construction and maintenance activities over the life of the project. Construction and maintenance equipment may result in temporary increases above existing noise levels. Construction equipment noise generally ranges from 70 to 95 dBA at 50 feet from the source. At about 500 feet from the source, intermittent levels from the loudest construction equipment would be about 75 dBA. Maintenance activities would be infrequent and involve less equipment than the initial construction of the proposed project. Residents and Businesses within the City of Moreno Valley 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 Moreno Valley's Municipal Code Chapter 11.80 and the Riverside County Ordinance Number 847, to incorporate the following measures:

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

Noise MM-2: Each resident adjacent to the storm drain construction site shall be notified in writing at least 3 days prior to operating heavy construction equipment near the residences. The notice shall include the expected work schedule and the District's contact information. The District shall alert the construction contractor of any noise complaints and incorporate any feasible and practical techniques which minimize the noise impacts on adjacent residences.

Source: Project Design, RCIP, Moreno Valley Municipal Code

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

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

The Riverside County Noise Ordinance does not include criteria for ground-borne vibration. However, Caltrans' Transportation and Construction Induced Vibration Guidance Manual (Manual) provides methods to estimate construction induced ground-borne vibration, and provides criteria for acceptable levels of ground-borne vibration for human perception and potential damage to buildings. Tables 3 and 4 list criteria for both human perception and building damage resulting from construction induced vibration.

**Table 3
Guidance Vibration Annoyance Potential Criteria**

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

**Table 4
Guidance Vibration Damage Potential Threshold Criteria**

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

Ground-borne vibration resulting from construction of the proposed project would be similar to a large bulldozer. Table 5 below lists the estimated minimum and maximum construction induced vibration impacts at various points in the proposed project area using methods

described in the Manual. Construction induced ground-borne vibration varies from 0.04 inches/second to 0.09 inches/second within easements in private property.

Table 5
Project Construction Induced Impacts (in/sec)

Estimated Construction Induced Vibration Impacts (large bulldozer)		Threshold Intermittent Construction Induced Vibration	
Minimum (at 50 feet)	Maximum (at 25 feet)	Human Perception ("Distinctly Perceptible")	Building Damage
0.04	0.09	0.04	0.50

The maximum estimated vibration is above levels categorized as "Distinctly Perceptible" and near levels categorized as "Strongly Perceptible". However, vibration levels estimated using the Manual assumes worst-case situations and actual levels are typically lower. The maximum estimated vibration is also well below the threshold for potentially causing damage to buildings. Therefore, no damage to buildings because of construction induced ground-borne vibration is expected. Implementation of MM Noise 1 and MM Noise 2 will ensure short-term construction impacts that expose people to ground-borne vibration or noise levels to less than significant.

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

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

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

Source: Project Design

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

Potentially Significant Unless Mitigation Incorporated. The construction of the project will result in a substantial temporary increase in ambient noise levels, however, as discussed in Response XIa) the project will result in less than significant impact with implementation of mitigation measures MM Noise 1 and MM Noise 2. In addition, since maintenance activities would be infrequent and involve less equipment than the initial construction of the proposed project, impacts to ambient noise levels from maintenance would be less than significant.

Source: Project Design

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

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

Source: Project Design

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

No Impact. The project is not located within two miles of a private airstrip.

Source: Project Design, Google Earth

XII. POPULATION AND HOUSING. Would the project:

- XIIa) **Induce substantial population growth in an area, either directly (*for example, by proposing new homes and businesses*) or indirectly (*for example, through extension of roads or other infrastructure*) resulting in substantial adverse physical impacts or conflicts with the adopted general plan, specific plan, or other applicable land use or regional plan?**

No Impact. The project does not include the construction of homes or businesses and is not expected to result in any change to existing land use patterns or trigger substantial growth in the already developed area. Regardless, any development that may occur is subject to the policies of the cities of Riverside and Moreno Valley General Plan, the Riverside County General Plan, and further review by the Community.

Source: Project Design

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

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

Source: Project Design

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

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

Source: Project Design

XIII. PUBLIC SERVICES

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

Fire protection?

No Impact. The project will not require additional fire services, or result in extended response times for fire protection service.

Police protection?

No Impact. The project will not require additional police services, or result in extended response times for police protection services.

Schools?

No Impact. The project will not affect local school enrollment and school facilities.

Parks?

No Impacts. The project will not interfere with parks or require need for new parks.

Other public facilities?

No Impact. The project will not interfere with additional utilities.

Source: Project Design

XIV. RECREATION

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

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

Source: Project Design

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

No Impact. The proposed project does not include recreational facilities nor will it require the construction or expansion of such facilities.

Source: Project Design

XV. TRANSPORTATION AND TRAFFIC. Would the project:

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

Less than Significant Impact. The project alignment will mostly involve the streets within the City of Moreno Valley. The City of Moreno Valley has adopted a circulation element within their General Plan. The purpose of the circulation element is to ensure a complete,

balance and well maintained circulation system that relies on vehicular travel and transit, and incorporates alternative modes including bikeways and pedestrian facilities. It is designed to support the land uses promulgated in the Land Use Element. The circulation plan is also designed to support regional traffic that crosses the city, and allows Moreno Valley residents and businesses to travel comfortably to and from other cities and counties.

The project will also adhere to the adopted County Congested Management Plan (CMP); which includes a Travel Demand Management (TDM) element. The element consists of programs and strategies that are intended to reduce and reshape the use of the transportation systems by promoting alternative modes of transportation, increasing vehicle occupancy, maximizing the efficient use of parking, reducing travel distances, and easing peak-hour congestion. These strategies and programs will help to increase the efficiency and effectiveness of the transportation system.

Examples of TDM programs include rideshare, bus rapid transit, and the development of a system of pedestrian and bike paths. The TDM also includes the Western Riverside County Non-Motorized Transportation Plan (WROCG-NMTP) which provides a regional network of bicycle and pedestrian facilities. While the TDM does not provide a specific measure of effectiveness for the performance of the circulation system, which takes into account various alternative modes of transportation, disruption of TDM programs may conflict with the TDM goal of increasing the effectiveness of the transportation system.

Evaluations of potential impacts to various modes of transportation near the project are listed below:

- The project is not located near existing or proposed bike routes designated in the WROCG-NMTP Network (exhibit 5.0.1 in Corridor 6 – El Sobrante – Lake Perris Non-Motorized Transportation Plan Network); also no bike routes are designated in the Bikeway Plan in the Moreno Valley General Plan (Figure 9-4).
- Transit routes near the project include the Riverside Transit Agency (RTA) bus routes. According to the RTA system map, there is no RTA route located within the project alignment.
- The project is not located near an existing or proposed trail designated in the Moreno Valley General Plan (Figure 4-3).

Any potential traffic impacts will be limited to the construction phase. Long-term traffic impacts will not occur, as the project would not create uses that would increase trip generation to the site. The project will include the implementation of a Traffic Control Plan (TCP). Temporary street and lane closures during construction will be kept at a minimum and will be coordinated with the City of Riverside and City of Moreno Valley to ensure that adverse impacts to traffic flow remain less than significant.

Since there are no impacts to the TDM elements, and the project will minimize temporary impacts with the implementation of a TCP, impacts are expected to be less than significant.

Source: Project Design, CMP, MVGP

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

No Impact. Exhibit 2-1 of the CMP (see Response XVa) includes a list of State Highways and Principal Arterials designated as part of the CMP system. The project is not located within a State Highway or Principal Arterial designated as part of the CMP. Although the proposed project would generate a minor amount of daily construction-related trips during construction, and fewer maintenance-related trips, as discussed in Response XVa), these trips would not be substantial in relation to the existing traffic load, capacity of intersections, street segments and freeways within the project area. Therefore, the project will not conflict with the CMP.

Source: Project Design, CMP

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

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

Source: Project Design

XVd) Would the project result in inadequate emergency access?

Potentially Significant Unless Mitigation Incorporated. Although the operation and maintenance of the proposed project would not result in inadequate emergency access, the construction of the proposed project is expected to result in temporary lane closures of local roads for approximately 8 hours per day. The TCP will detail and coordinate all traffic movement through the project area and will be implemented throughout project construction. The proposed project will also be closely coordinated with the City of Riverside and the City of Moreno Valley, who will also review and approve the TCP. With the implementation of the TCP, combined with the short-term nature of the lane closures and the inclusion of the following measure, impacts to emergency access will remain less than significant:

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

Source: Project Design

XVe) Would the project result in inadequate parking capacity?

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

Source: Project Design

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

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

XVI. UTILITIES AND SERVICE SYSTEMS. Would the project:

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

Electricity

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

Natural Gas

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

Communication System

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

Street lighting

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

Public facilities, including roads and bridges

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

Source: Project Design

- XVIb) Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?**

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

Source: Project Design

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

No Impact. The proposed project would not require new or expanded water supplies. Construction of the proposed project will necessitate incidental short-term water use; for example dust control during construction. Existing water sources/supplies will be adequate. Impacts are less than significant.

Source: Project Design

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

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

Source: Project Design

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

Less than Significant Impact. The project would generate a minimal amount of solid waste during construction. A less than significant impact would occur.

Source: Project Design

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

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

Source: Project Design

XVII. MANDATORY FINDINGS OF SIGNIFICANCE.

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

Less than Significant Impact. As demonstrated by this Initial Study, potential impacts to the environment, wildlife species, plant community and cultural resources will not occur or will be less than significant. Refer to Section IVa) (Biological Resources).

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

Less than significant Impact. As discussed in this Initial Study, most of the potential adverse impacts are temporary and will cease upon construction completion. Due to the relatively small area of impact and the short construction period, potential impacts would not be cumulatively considerable.

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

Less than Significant Impact. As discussed in this document, the proposed project would result in very minimal environmental impacts such as air quality and noise due to construction related activities. With the incorporation of the mitigation measures as described in Sections III (Air Quality) and XI (Noise), potential air quality and noise impacts will be less than significant and would not cause substantial adverse effects on human beings. In addition, other potential adverse impacts to human beings are not expected to occur.

INITIAL STUDY CHECKLIST REFERENCE LIST

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

<u>Cited As:</u>	<u>Source:</u>
AQMP	South Coast Air Quality Management District, <i>Air Quality Management Plan 2007</i> , June 2007. (Available at SCAQMD)
Basin Plan	The 1995 Water Quality Control Plan for the Santa Ana River Basin (Region 8), updated in February 2008. (Available at http://www.swrcb.ca.gov/rwqcb8/water_issues/programs/basin_plan/index.shtml)
CALEEMOD	California Emissions Estimator Model, version 2011.1.1 (Available on the SCAQMD Website at: http://www.caleemod.com/)
CARB	California Air Resources Board, <i>Area Designation Maps / State and National</i> , 2006. (Available at http://www.arb.ca.gov/desig/adm/adm.htm)
CMP	2010 Riverside County Congestion Management Program, March 10, 2010
Conservation	California Department of Conservation, Farmland Mapping and Monitoring Program, Important Farmland Map, Western Riverside County, 2004. (ftp://ftp.consrv.ca.gov/pub/dlrp/FMMP/pdf/2006/riv06_west.pdf)
DTSC	California Department of Toxic Substances Control, Hazardous Waste and Substance Site List (Cortese List), website accessed January 7, 2011. (Available at http://www.calepa.ca.gov/SiteCleanup/CorteseList/default.htm)
EIC	Eastern Information Center, Department of Anthropology, University of California Riverside (UCR), letter dated January 24, 2011. (Available at University of California Riverside (UCR))
EOP	Riverside County Operational Area, Emergency Operations Plan (EOP), February 2006
EPA	US Environmental Protection Agency (EPA), EnviroMapper, (Available at http://www.epa.gov/waters/enviromapper/)
GIS	County of Riverside, Geographic Information System Database. (Available at http://www3.tlma.co.riverside.ca.us/pa/rcgis/index.html)
Manual	Jones & Stokes, 2004 Transportation and construction induced vibration guidance manual, June (J&S 02-039). Sacramento, CA. Prepared for California Department of Transportation, Noise, Vibration and Hazardous Waste Management Office, Sacramento, CA.
MVGP	City of Moreno Valley, General Plan 2006

MVGP-FEIR	City of Moreno Valley General Plan, Final Environmental Impact Report 2006
MSHCP	Western Riverside County, Multiple Species Habitat Conservation Plan, Final Version, Adopted June 17, 2003. (Available at Riverside County Planning and at http://www.rctlma.org/mshcp/index.html)
NAHC	Native American Heritage Commission, Sacred Lands File Search and Native American Contacts lists for the "West End Moreno MDP Line L-L: Project No. 4-0-0783," December 29, 2011
RCIP	Riverside County Integrated Project, County of Riverside General Plan, Final Version, Adopted October 7, 2003. (Available at Riverside County Planning and at www.rctlma.org)
RGP	City of Riverside, General Plan 2025
RGP-FEIR	City of Riverside General Plan 2025, Final Environmental Impact Report
Section 12220	California Government Code Section 12220. (Available at http://www.leginfo.ca.gov/calaw.html)
Section 51104	California Government Code Section 51104. (Available at http://www.leginfo.ca.gov/calaw.html)
Section 53091	California Government Code Section 53091. (Available at http://www.leginfo.ca.gov/calaw.html)
SCAQMD	South Coast Air Quality Management District, CEQA Air Quality Handbook, April 1993, with November 1993 Update. (Available at SCAQMD)

Appendix A
CalEEmod 2011.1.1 Printouts

West End Moreno MDP Line LL
Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
User Defined Commercial	0	User Defined Unit
Other Asphalt Surfaces	0.41	Acre

1.2 Other Project Characteristics

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

1.3 User Entered Comments

Project Characteristics -
 Land Use - Estimate based on 1,800 feet of SD and 10 foot wide excavation.
 Construction Phase - Estimated 4 month construction period.

Off-road Equipment - Cement and Mortar Mixers - 1
Pavers - 1
Rollers - 1
Tractors/Loaders/Backhoes - 1
Paving Equipment - 1
8 hour/day assumption
Off-road Equipment - Excavators - 2
Off-Highway Trucks - 2
Rubber Tired Loaders - 1
Skid Steer Loaders - 1
Tractors/Loaders/Backhoes - 1
8 Hour/Day Assumption
Trips and VMT - Assume 3 Trips Vendor/Day

Grading - Calculated estimate of 1,300 CY of Material to be exported out of site.
Assumed Total Acres Disturbed (Same as research area) - 11.08

Construction Off-road Equipment Mitigation - Water Exposed Area 3 times a day for 61% reduction

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

Year	toms/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
2012	0.28	2.03	1.07	0.00	0.16	0.12	0.28	0.02	0.12	0.13	0.00	226.48	226.48	0.02	0.00	226.96
Total	0.28	2.03	1.07	0.00	0.16	0.12	0.28	0.02	0.12	0.13	0.00	226.48	226.48	0.02	0.00	226.96

Mitigated Construction

Year	toms/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
2012	0.28	2.03	1.07	0.00	0.14	0.12	0.26	0.01	0.12	0.12	0.00	226.48	226.48	0.02	0.00	226.96
Total	0.28	2.03	1.07	0.00	0.14	0.12	0.26	0.01	0.12	0.12	0.00	226.48	226.48	0.02	0.00	226.96

2.2 Overall Operational

Unmitigated Operational

Category	RO2	NOx	CO	SO2	lbs/yr				MT/yr										
					Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Exhaust CO2	Site CO2	Total CO2	CH4	N2O	CO2e			
Area	0.00	0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Energy	0.00	0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Waste						0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water						0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Mitigated Operational

Category	ROG	NOx	CO	SO2	tons/yr			MT/yr									
					Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bi-e-CO2	NSI-e-CO2	Total CO2	CH4	N2O	CO2e	
Area	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wasteb						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Storm Drain Installation - 2012

Unmitigated Construction On-Site

Category	toms/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.09	0.00	0.09	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.23	1.72	0.84	0.00		0.09	0.09	0.02	0.02	0.06	0.00	0.01	191.28	0.02	0.00	191.28
Total	0.23	1.72	0.84	0.00	0.09	0.09	0.12	0.01	0.09	0.10	0.00	0.01	191.28	0.02	0.00	191.68

Unmitigated Construction Off-Site

Category	toms/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.00	0.05	0.02	0.00	0.12	0.00	0.12	0.00	0.00	0.00	0.00	0.04	6.04	0.00	0.00	6.05
Vendor	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.46	0.00	0.00	2.46
Worker	0.00	0.00	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	5.42	5.42	0.00	0.00	5.43
Total	0.00	0.07	0.07	0.00	0.13	0.00	0.13	0.00	0.00	0.00	0.00	13.92	13.92	0.00	0.00	13.94

3.2 Storm Drain Installation - 2012

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	MBio-CO2	Total CO2	CH4	N2O	CO2e
tans/yr																
Fugitive Dust					0.01	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.23	1.72	0.84	0.00		0.00	0.00		0.00	0.00	0.00	191.28	191.28	0.02	0.00	191.68
Total	0.23	1.72	0.84	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.00	191.28	191.28	0.02	0.00	191.68

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	MBio-CO2	Total CO2	CH4	N2O	CO2e
tans/yr																
Hauling	0.00	0.05	0.02	0.00	0.12	0.00	0.12	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.05
Vendor	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	2.46	0.00	0.00	2.46
Worker	0.00	0.00	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	5.42	5.42	0.00	0.00	5.43
Total	0.00	0.07	0.07	0.00	0.13	0.00	0.13	0.00	0.00	0.00	0.00	13.92	13.92	0.00	0.00	13.94

3.3 Paving - 2012

Unmitigated Construction On-Site

Category	toms/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	MBio-CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.04	0.24	0.15	0.00		0.02	0.02		0.02	0.02	0.00	19.15	19.19	0.00	0.00	19.25
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.04	0.24	0.15	0.00		0.02	0.02		0.02	0.02	0.00	19.15	19.19	0.00	0.00	19.25

Unmitigated Construction Off-Site

Category	toms/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	MBio-CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.81	0.00	0.00	0.81
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	1.29	0.00	0.00	1.29
Total	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10	2.10	0.00	0.00	2.10

3.3 Paving - 2012

Mitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.04	0.24	0.16	0.00		0.02	0.02		0.02	0.02	0.00	12.15	10.18	0.00	0.00	19.25
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.04	0.24	0.15	0.00		0.02	0.02		0.02	0.02	0.00	12.15	10.18	0.00	0.00	19.25

Mitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.81	0.00	0.00	0.81
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	1.29	0.00	0.00	1.29
Total	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	1.29	0.00	0.00	2.10

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

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

4.3 Trip Type Information

Land Use	Miles				Trip %				
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Commercial	9.50	7.30	7.30	0.00	0.00	0.00	0.00	0.00	0.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Be-CO2	NIe-CO2	Total CO2	CH4	N2O	CO2e
Electricity Mitigated					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity Unmitigated					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	toms/yr											MT/yr						
	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Other Asphalt Surfaces	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Commercial	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Mitigated

Land Use	toms/yr											MT/yr						
	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Other Asphalt Surfaces	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Commercial	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	kWh	tons/yr							MT/yr
Other Asphalt Surfaces	0					0.00	0.00	0.00	0.00
User Defined Commercial	0					0.00	0.00	0.00	0.00
Total						0.00	0.00	0.00	0.00

Mitigated

Land Use	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	kWh	tons/yr							MT/yr
Other Asphalt Surfaces	0					0.00	0.00	0.00	0.00
User Defined Commercial	0					0.00	0.00	0.00	0.00
Total						0.00	0.00	0.00	0.00

6.0 Area Detail

6.1 Mitigation Measures Area

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
tons/yr																
Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
tons/yr																
Architectural Coating	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

6.2 Area by Sub-Category

Mitigated

Sub-Category	tms/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bi-CO2	NSIP-CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

7.0 Water Detail

7.1 Mitigation Measures Water

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

7.2 Water by Land Use

Unmitigated

Land Use	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	Mgal	tons/yr							
Other Asphalt Surfaces	0 / 0					0.00	0.00	0.00	0.00
User Defined Commercial	0 / 0					0.00	0.00	0.00	0.00
Total						0.00	0.00	0.00	0.00

7.2 Water by Land Use

Mitigated

Land Use	Indoor/Outdoor Use	Mgal	tons/yr						MT/yr			
			ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e		
Other Asphalt Surfaces	0/0						0.00	0.00	0.00	0.00	0.00	0.00
User Defined Commercial	0/0						0.00	0.00	0.00	0.00	0.00	0.00
Total							0.00	0.00	0.00	0.00	0.00	0.00

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

8.2 Waste by Land Use

Unmitigated

Land Use	Waste Proposed tons	tons/yr						MT/yr			CO2e
		ROG	NOx	CO	SO2	Total CO2	CH4	N2O			
Other Asphalt Surfaces	0					0.00	0.00	0.00	0.00	0.00	0.00
User Defined Commercial	0					0.00	0.00	0.00	0.00	0.00	0.00
Total						0.00	0.00	0.00	0.00	0.00	0.00

Mitigated

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

9.0 Vegetation

West End Moreno MDP Line LL
 Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
User Defined Commercial	0	User Defined Unit
Other Asphalt Surfaces	0.41	Acres

1.2 Other Project Characteristics

Urbanization Urban Wind Speed (mph) 2.4 Utility Company
 Climate Zone 10 Precipitation Freq (Days) 26

1.3 User Entered Comments

Project Characteristics -
 Land Use - Estimate based on 1,800 feet of SD and 10 foot wide excavation.
 Construction Phase - Estimated 4 month construction period.

Off-road Equipment - Cement and Mortar Mixers - 1

Pavers - 1

Rollers - 1

Tractors/Loaders/Backhoes - 1

Paving Equipment - 1

8 hour/day assumption

Off-road Equipment - Excavators - 2

Off-Highway Trucks - 2

Rubber Tired Loaders - 1

Skid Steer Loaders - 1

Tractors/Loaders/Backhoes - 1

8 Hour/Day Assumption

Trips and VMT - Assume 3 Trips Vendor/Day

Grading - Calculated estimate of 1,300 CY of Material to be exported out of site.

Assumed Total Acres Disturbed (Same as research area) - 11.08

Construction Off-road Equipment Mitigation - Water Exposed Area 3 times a day for 61% reduction

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	MBio-CO2	Total CO2	CH4	N2O	CO2e
2012	7.21	63.22	27.22	0.06	4.88	2.90	7.33	0.02	2.80	2.82	0.00	6,789.50	0.00	0.64	0.00	6,752.65
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Mitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	MBio-CO2	Total CO2	CH4	N2O	CO2e
2012	7.21	63.22	27.22	0.06	4.42	2.90	7.33	0.02	2.80	2.82	0.00	6,789.50	0.00	0.64	0.00	6,752.65
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.2 Overall Operational

Unmitigated Operational

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

Mitigated Operational

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

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area
Clean Paved Roads

3.2 Storm Drain Installation - 2012

Unmitigated Construction On-Site

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	MBio-CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.83	0.00	0.83	0.00	0.00	0.00						0.00
Off-Road	6.96	51.25	25.05	0.06	2.82	2.82	2.82	2.52	2.52	2.82		6,295.75		0.62		8,308.80
Total	6.96	51.25	25.05	0.06	3.65	2.82	3.75	2.52	2.52	2.82		6,295.75		0.62		8,308.80

Unmitigated Construction Off-Site

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	MBio-CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.12	1.40	0.80	0.00	9.90	0.06	3.56	0.01	0.05	0.06		198.31		0.01		198.43
Vendor	0.04	0.53	0.28	0.00	0.03	0.02	0.04	0.00	0.02	0.02		81.33		0.00		81.37
Worker	0.10	0.11	1.31	0.00	0.23	0.01	0.24	0.01	0.01	0.02		803.11		0.01		183.36
Total	0.26	2.04	2.17	0.00	4.95	0.09	4.14	0.02	0.09	0.10		473.75		0.02		474.15

3.2 Storm Drain Installation - 2012

Mitigated Construction On-Site

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.36	0.00	0.36	0.00	0.00	0.00						0.00
Off-Road	0.96	51.25	25.05	0.06		2.82	2.82		2.82	2.82	0.00	6,295.75	0.02	0.02		6,305.90
Total	0.96	51.25	25.05	0.06	0.36	2.82	3.18	0.00	2.82	2.82	0.00	6,295.75	0.02	0.02	0.02	6,308.80

Mitigated Construction Off-Site

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.12	1.40	0.60	0.00	3.90	0.05	3.95	0.01	0.05	0.06		199.31	0.01	0.01		199.43
Vendor	0.04	0.59	0.26	0.00	0.03	0.02	0.04	0.00	0.02	0.02		81.35	0.00	0.00		81.37
Worker	0.10	0.11	1.31	0.00	0.23	0.01	0.24	0.01	0.01	0.02		183.11	0.01	0.01		183.36
Total	0.26	2.04	2.17	0.00	4.06	0.09	4.14	0.02	0.09	0.10	0.00	473.75	0.02	0.02	0.02	474.15

3.3 Paving - 2012

Unmitigated Construction On-Site

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	MBio-CO2	Total CO2	CH4	N2O	CO2e
Off-Road	3.60	22.11	13.49	0.02		1.93	1.93		1.93	1.93		1,922.37		0.32		1,923.15
Paving	0.05				0.00	0.00	0.00	0.00	0.00	0.00						0.00
Total	3.65	22.11	13.69	0.02		1.93	1.93		1.93	1.93		1,922.37		0.32		1,923.15

Unmitigated Construction Off-Site

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	MBio-CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.04	0.59	0.26	0.00	0.03	0.02	0.04	0.00	0.02	0.02		81.33		0.00		81.37
Wentler	0.07	0.06	0.05	0.00	0.17	0.01	0.18	0.01	0.01	0.01		139.47		0.01		139.65
Total	0.11	0.61	1.21	0.00	0.20	0.03	0.22	0.01	0.03	0.03		220.80		0.01		221.02

3.3 Paving - 2012

Mitigated Construction On-Site

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	MBio-CO2	Total CO2	CH4	N2O	CO2e
Off-Road	3.60	22.11	13.69	0.02		1.93	1.93		1.93	1.93	0.00	1,922.37		0.32		1,926.15
Paving	0.05				0.00	0.00	0.00		0.00	0.00						0.00
Total	3.65	22.11	13.69	0.02	1.93	1.93	1.93		1.93	1.93	0.00	1,922.37		0.32		1,926.15

Mitigated Construction Off-Site

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	MBio-CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.04	0.53	0.26	0.00	0.03	0.02	0.04	0.00	0.02	0.02		81.33		0.00		81.37
Worker	0.07	0.08	0.05	0.00	0.17	0.01	0.18	0.01	0.01	0.01		139.47		0.01		139.65
Total	0.11	0.61	1.21	0.00	0.20	0.03	0.22	0.01	0.03	0.03		220.80		0.01		221.02

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

Category	Inventory															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	MBio-CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

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

4.3 Trip Type Information

Land Use	Miles				Trip %			
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	H-O or C-NW	
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0.00	
User Defined Commercial	9.50	7.30	7.30	0.00	0.00	0.00	0.00	

5.0 Energy Detail

5.1 Mitigation Measures Energy

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Natural Gas Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

5.2 Energy by Land Use - Natural Gas

Unmitigated

Land Use	lb/day																
	Natural Gas Use MBTU	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Other Asphalt Surfaces	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Commercial	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.2 Energy by Land Use - NaturalGas

Mitigated

Land Use	lb/day																	
	NaturalGas Use kBtu	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	MSW- CO2	Total CO2	CH4	N2O	CO2e	
Other Asphalt Surfaces	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Commercial	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

6.0 Area Detail

6.1 Mitigation Measures Area

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	MSW- CO2	Total CO2	CH4	N2O	CO2e	
Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

Unmitigated

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

Mitigated

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

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Appendix B
Comment Letters and Response

August 6, 2012

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



Re: Notice of Intent to Adopt a Mitigated Negative Declaration for the West End Moreno Valley MDP Line LL, Stage 1 Storm Drain Project


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

Soboba Band of Luiseño Indians is requesting the following:

1. To initiate a consultation with the Project Developer and Land owner.
2. The transfer of information to the Soboba Band of Luiseno Indians regarding the progress of this project should be done as soon as new developments occur.
3. Soboba Band of Luiseño Indians continues to act as a consulting tribal entity for this project.
4. Working in and around traditional use areas intensifies the possibility of encountering cultural resources during the construction/excavation phase. For this reason the Soboba Band of Luiseño Indians requests that a Native American monitoring component be included as a mitigation measure for the negative declaration. The Tribe is requesting that a Treatment and Dispositions Agreement between the developer and The Soboba Band be provided to the Riverside County Flood Control and Water Conservation District prior to the issuance of a grading permit and before conducting any additional archaeological fieldwork.
5. Request that proper procedures be taken and requests of the tribe be honored (Please see the attachment)

The Soboba Band of Luiseno Indians is requesting a face-to-face meeting between the Riverside County Flood Control and Water Conservation District and the Soboba Cultural Resource Department. Please contact me at your earliest convenience either by email or phone in order to make arrangements.

Sincerely,


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

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RIVERSIDE COUNTY FLOOD CONTROL
DISTRICT

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

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

Treatment and Disposition of Remains.

- A. The Soboba Band shall be allowed, under California Public Resources Code § 5097.98 (a), to (1) inspect the site of the discovery and (2) make determinations as to how the human remains and grave goods shall be treated and disposed of with appropriate dignity.
- B. The Soboba Band, as MLD, shall complete its inspection within twenty-four (24) hours of receiving notification from either the Developer or the NAHC, as required by California Public Resources Code § 5097.98 (a). The Parties agree to discuss in good faith what constitutes "appropriate dignity" as that term is used in the applicable statutes.
- C. Reburial of human remains shall be accomplished in compliance with the California Public Resources Code § 5097.98 (a) and (b). The Soboba Band, as the MLD in consultation with the Developer, shall make the final discretionary determination regarding the appropriate disposition and treatment of human remains.
- D. All parties are aware that the Soboba Band may wish to rebury the human remains and associated ceremonial and cultural items (artifacts) on or near, the site of their discovery, in an area that shall not be subject to future subsurface disturbances. The Developer should accommodate on-site reburial in a location mutually agreed upon by the Parties.
- E. The term "human remains" encompasses more than human bones because the Soboba Band's traditions periodically necessitated the ceremonial burning of human remains. Grave goods are those artifacts associated with any human remains. These items, and other funerary remnants and their ashes are to be treated in the same manner as human bone fragments or bones that remain intact.

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

Non-Disclosure of Location Reburials. It is understood by all parties that unless otherwise required by law, the site of any reburial of Native American human remains or cultural artifacts shall not be disclosed and shall not be governed by public disclosure requirements of the California Public Records Act. The Coroner, parties, and Lead Agencies, will be asked to withhold public disclosure information related to such reburial, pursuant to the specific exemption set forth in California Government Code § 6254 (r). Ceremonial items and items of cultural patrimony reflect traditional religious beliefs and practices of the Soboba Band. The Developer agrees to return all Native American ceremonial items and items of cultural patrimony that may be found on the project site to the Soboba Band for appropriate treatment. In addition, the Soboba Band requests the return of all other cultural items (artifacts) that are recovered during the course of archaeological investigations. Where appropriate and agreed upon in advance, Developer's archeologist may conduct analyses of certain artifact classes if required by CEQA, Section 106 of NHPA, the mitigation measures or conditions of approval for the Project. This may include but is not limited or restricted to include shell, bone, ceramic, stone or other artifacts.

Response to Soboba Band of Luiseno Indians

The District has previously completed a cultural records search for the West End Moreno MDP Line LL, Stage 1 Project. According to the Native American Heritage Commission (NAHC), cultural resources **were not identified** in the project areas of potential effect that was specified.

However, this information does not preclude the potential for uncovering buried cultural resources during construction. Therefore, the District has included the following mitigation measures in the IS:

Cult MM-1: If any archaeological or historical resources are discovered during project construction, all work in the area of the find shall cease, and a qualified archaeologist shall investigate the find. If any discovered archaeological or historical resources merit long-term considerations, adequate funding will be provided to collect, curate and report these resources in accordance with standard archaeological management requirements.

Cult MM-3: Per State Health and Safety Code 7050.5, if human remains are encountered during construction, no further disturbance shall occur until the Riverside 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.

Based on the results of the cultural records search and incorporated mitigation measures Cult MM-1 and Cult MM-3, the District does not see the need or requirement for Native American monitors to be present during construction of this project. The District will ensure that the Soboba Band of Luiseno Indians will be notified upon discovery of unknown cultural resources.



Securing Your Water Supply

John V. Rossi
General Manager

Charles D. Field
Division 1

Thomas P. Evans
Division 2

Brenda Demstert
Division 3

Donald D. Galliano
Division 4

S.R. "Al" Lopez
Division 5

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AUG 22 2012

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

August 21, 2012

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

RESPONSE TO UTILITY LOCATION INFORMATION

Western Municipal Water District (Western) is in receipt of your letter requesting utility location information for the above referenced project. Western does not own or maintains facilities in the vicinity of your project.

Should you have any questions regarding this matter or need further information, please contact me at (951) 571-7234.

FARHAD BOLOURCHI
Engineering Department

FB:sc

Response to Western Municipal Water District

The comment has been noted.



Community Development
Department
Planning Division

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SEP 04 2012

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

August 30, 2012

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

SUBJECT: WEST END MORENO MDP LINE I.L., STAGE 1 STORM DRAIN PROJECT

Thank you for the opportunity to comment on the Notice of Availability (NOA) of Initial Study (IS) and Notice of Intent (NOI) to adopt a Mitigated Negative Declaration (MND) for above noted project which involves construction, operation and maintenance of approximately 1,800 lineal feet of storm drain and associated improvements proposed along the Old 215 Highway in Moreno Valley and a portion Riverside along Riverside's easterly City limits.

City staff notes that page 2 of the IS indicates that the City of Moreno Valley is the only other agency except for the District whose approval is necessary in conjunction with this project. However, the downstream portion of the proposed facility encroaches into a City of Riverside maintained roadway and as such, the City's Public Works Department has indicated that the District's contractor needs to obtain an encroachment permit from the City of Riverside's Public Works Department prior to commencing construction. City staff requests that the IS/MND be revised to reflect this.

City of Riverside staff appreciates your collaboration on this project and looks forward to continue working alongside your staff. Should you have any questions regarding this letter, please feel free to contact Kyle Smith, Associate Planner, at (951) 826-5220 or kjsmith@riversideca.gov.

Sincerely,

Steve Hayes, AICP
City Planner

c: Deanna Lorson, Assistant City Manager
Al Zelinka, FAICP, Community Development Director
Kristi Smith, Supervising Deputy City Attorney
Tom Boyd, Deputy Public Works Director/City Engineer

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Response to the City of Riverside

The Initial Study has been modified to include the City of Riverside as part of the list of public agencies whose approval is required for the Project. The District will obtain an encroachment permit from the City of Riverside's Public Works Department prior to the commencement of construction activities.

Josh Frohman

From: Chris Ormsby
Sent: Thursday, August 23, 2012 4:25 PM
To: Josh Frohman
Cc: Margery Lazarus
Subject: RE: Line LL CEQA Initial Study

Josh,

My comments on the Line LL CEQA Initial Study are summarized below.

General Comment – I didn't see any mention of a staging area for construction equipment or discussion of where construction equipment would be stored in the evenings. Since the project will take at least four months to complete, it would seem likely that equipment would need to be staged. My concern is that if the staging area is located on private property within Moreno Valley, potential noise impacts could be greater than currently discussed in the draft Initial Study.

p. 29, second full paragraph. Recommend adding the underlined text. "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 for the portion of the project in the City of Riverside, and within the Reche Canyon/Badlands Area Plan for the portion in the City of Moreno Valley."

P. 32. Paragraph Vb). "Ricon" should be "Rincon".

p. 46, Second full paragraph. "baths" should be "paths"

If you have any questions, please let me know.

Chris

From: Josh Frohman
Sent: Wednesday, August 22, 2012 11:22 AM
To: Chris Ormsby
Cc: Margery Lazarus
Subject: RE: Line LL CEQA Initial Study

Hi Chris. Thanks for your very prompt review. Much appreciated. If you would, please provide your comments to me so I can send Capital Project's and Planning's comments to RCFC at the same time.

Thanks again, Josh

From: Chris Ormsby
Sent: Wednesday, August 22, 2012 10:57 AM
To: Josh Frohman
Subject: RE: Line LL CEQA Initial Study

Josh,

1

Planning

Response to City of Moreno Valley

Planning Division Comments:

1. General Comment – I did not see any mention of a staging area for construction equipment or discussion of where construction equipment would be stored in the evenings. Since the project will take at least four months to complete, it would seem likely that equipment would need to be staged. My concern is that if the staging area is located on private property within Moreno Valley, potential noise impacts could be greater than currently discussed in the draft Initial Study.
2. Page 29 second full paragraph. Recommend adding the underlined text. "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 for the portion of the project in the city of Riverside, and within the Reche Canyon/Badlands Area Plan for the portion in the city of Moreno Valley".
3. Page 32 Paragraph Vb). "Ricon" should be "Rincon".
4. Page 46 second full paragraph "baths" should be "paths".

Response to Planning Division Comments:

1. Staging areas are designated by the contractor during the construction period. Noise from construction activities would be the greatest potential impacts for this project. Since there are no construction activities to occur within any staging areas (such as excavation, grading, fill, installation of pipe), and the construction activities are anticipated to be only within the project alignment, no further analysis is required and the project noise will remain less than significant as analyzed in the CEQA. MM Noise-1 and MM Noise-2 will ensure that temporary noise from the use of heavy equipment will be limited from 7:00 a.m. to 5:00 p.m. and that any noise complaints will be mitigated in the most feasible and practical way.
2. Adjusted paragraph to address the recommendation.
3. Noted and corrected.
4. Noted and corrected.

Land Development Division Comments:

1. The word linear should be used when referring to distance. The word lineal is used when referring to time as in lineage or lineal descendants.
2. Page 39 change "Interstate 215 Freeway" to "Old 215 Frontage Road".

Response to Land Development Division Comments:

1. Noted.
2. Noted.

Capital Projects Division Comments:

1. Change "West End Moreno MDP Line LL, Stage 1" to read "West End ADP Line LL, Stage 1".
2. Add maintenance to project description of NOD.
3. Fix lineal to linear.
4. Who owns the vacant land.
5. Water meters are not shown on the plans.
6. Board session is dated "August 28, 2012".
7. Discuss future stages for the project description.
8. Label Dracaena Avenue in Figure 1.
9. Page 47 TCP shows road closures. This can potentially result in inadequate emergency access.
10. Address any temporary existing waterline disruptions and shut offs.
11. Add sewer impacts.
12. Page 51 add "/" to "and or".

Response to Capital Projects Division Comments:

1. West End Moreno MDP Line LL, Stage 1 is the correct name.
2. Noted. Text has been added.
3. Noted.
4. Noted. As stated on Page 1 of the CEQA document, the vacant land is privately owned and will require the District to acquire an easement for a portion of that property.
5. Design plans are not part of the CEQA document. The meter relocations are shown in the most recent set of plans (May 2012).

6. August was the placeholder date. Date has been changed to the anticipated November 6, 2012 Board of Supervisor's approval of project.
7. There are no anticipated future stages for the project.
8. A closer view of the project area includes Dracaea Avenue in Figure 3.
9. Temporary lane and road closures are expected from the project. Trans MM-1 will ensure that there would be sufficient access for emergency vehicles at all times during construction. Dracaea Avenue is expected to be closed to all through traffic, however, residents and emergency vehicles will be given access during construction.
10. The CEQA question is about the requirement of any new facilities or expansion of existing facilities as a result of the project. No new facilities or expansion of existing facilities are anticipated as a result of the project. There will be temporary impacts to the existing gas and waterlines, such as the relocation of gas lines and water meters, both of which will not cause any significant environmental effect and will not require further analysis.
11. No new sewer lines are required as a result of the project. Existing sewer lines will also not be impacted as a result of the project.
12. Noted.