



California Regional Water Quality Control Board

San Diego Region



Linda S. Adams
Secretary for
Environmental Protection

Over 50 Years Serving San Diego, Orange, and Riverside Counties
Recipient of the 2004 Environmental Award for Outstanding Achievement from USEPA

Arnold Schwarzenegger
Governor

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(858) 467-2952 • Fax (858) 571-6972
[http:// www.waterboards.ca.gov/sandiego](http://www.waterboards.ca.gov/sandiego)

February 11, 2010

Certified Mail – Return Receipt Requested
Article Number: 7009 1410 0002 2347 4091

Laurie Dobson Correa
Riverside County Transportation Department
4080 Lemon Street, 8th Floor
Riverside, CA 92502

In reply refer to:
708506: cloflen

Dear Ms. Correa:

Subject: Action on Request for Clean Water Act Section 401 Water Quality Certification for the **Clinton Keith Road Extension Project West** Water Quality Certification No. **07C-110**

Enclosed find Clean Water Act Section 401 Water Quality Certification for discharge to Waters of the U.S. and acknowledgment of enrollment under State Water Resources Control Board Order No. 2003-017 DWQ for the **Clinton Keith Road Extension Project West** (project). A description of the project and project location can be found in the project information sheet, location maps, and site maps, which are included as attachments.

Any petition for reconsideration of the Certification must be filed with the State Water Resources Control Board within 30 days of certification action (23 CCR § 3867). If no petition is received, it will be assumed that you have accepted and will comply with all the conditions of the Certification.

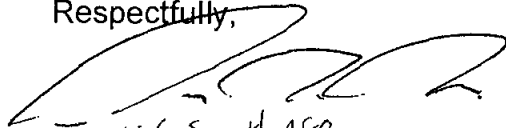
Failure to comply with all conditions of the Certification may subject you to enforcement actions by the California Regional Water Quality Control Board, San Diego Region, including administrative enforcement orders requiring you to cease and desist from violations, or to clean up waste and abate existing or threatened conditions of pollution or nuisance; administrative civil liability in amounts of up to \$5,000 per day per violation; referral to the State Attorney General for injunctive relief; and, referral to the District Attorney for criminal prosecution.

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California Environmental Protection Agency

In the subject line of any response, please include the requested **"In reply refer to:"** information located in the heading of this letter. For questions pertaining to the subject matter, please contact Chad Loflen at (858) 467-2727 or cloflen@waterboards.ca.gov.

Respectfully,



for James G. Smith, AEO
DAVID W. GIBSON
Executive Officer

Enclosures:

Clean Water Act Section 401 Water Quality Certification No. 07C-110 for the **Clinton Keith Road Extension Project West**, with attachments

cc: Refer to Attachment 2 of Certification 7C-110 for E-mail Distribution List.

Tech Staff Info & Use	
File No.	07C-110
WDID	9000001725
Reg. Measure ID	337628
Place ID	708506
Party ID	366229



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Action on Request for Clean Water Act Section 401 Water Quality Certification and Waste Discharge Requirements for Discharge of Dredged and/or Fill Materials

PROJECT: Clinton Keith Road Extension Project West,
Certification Number (07C-110)
WDID: 9 000001725

CIWQS Reg. Meas. ID: 337628 Place ID: 708506 Party ID: 366229
--

APPLICANT: Laurie Dobson Correa
Riverside County Transportation Department
4080 Lemon Street, 8th Floor
Riverside, CA 92502

ACTION:

<input type="checkbox"/> Order for Low Impact Certification	<input type="checkbox"/> Order for Denial of Certification
<input checked="" type="checkbox"/> Order for Technically-conditioned Certification	<input type="checkbox"/> Waiver of Waste Discharge Requirements
<input checked="" type="checkbox"/> Enrollment in SWRCB GWDR Order No. 2003-017 DWQ	<input type="checkbox"/> Enrollment in Isolated Waters Order No. 2004-004 DWQ

PROJECT DESCRIPTION:

The project is a portion of the extension, widening, and re-alignment of Clinton Keith Road from the Interstate 215 to State Route 79 in Riverside County. The project will extend the western portion of Clinton Keith from I-215 to Liberty Lane. The western extension of Clinton Keith requires the placement of a bridge over Warm Springs Creek, as well as the placement of larger culverts at Drainages A and B, which in total would result in permanent impacts of 0.31 acres (1,850 linear feet) and temporary impacts of 0.01 acres (360 linear feet) to non-wetland waters of the United States.

STANDARD CONDITIONS:

The following three standard conditions apply to all Certification actions, except as noted under Condition 3 for denials (Action 3).

1. This Certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to

California Environmental Protection Agency

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section 13330 of the California Water Code and section 3867 of Title 23 of the California Code of Regulations (23 CCR).

2. This Certification action is not intended and must not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to 23 CCR subsection 3855(b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. The validity of any non-denial Certification action (Actions 1 and 2) must be conditioned upon total payment of the full fee required under 23 CCR section 3833, unless otherwise stated in writing by the certifying agency.

ADDITIONAL CONDITIONS:

In addition to the three standard conditions, the Riverside County Transportation Department must satisfy the following:

A. GENERAL CONDITIONS:

1. The Riverside County Transportation Department must, at all times, fully comply with the engineering plans, specifications and technical reports submitted to the California Regional Water Quality Control Board, San Diego Region (Regional Board), to support this 401 Water Quality Certification (Certification) and all subsequent submittals required as part of this Certification and as described in Attachment 1. The conditions within this Certification must supersede conflicting provisions within such plans submitted prior to the Certification action. Any modifications thereto, would require notification to the Regional Board and reevaluation for individual Waste Discharge Requirements and/or Certification amendment.
2. During construction, the Riverside County Transportation Department must maintain a copy of this Certification at the project site so as to be available at all times to site personnel and agencies.
3. The Riverside County Transportation Department must permit the Regional Board or its authorized representative at all times, upon presentation of credentials:
 - a. Entry onto project premises, including all areas on which wetland fill or wetland mitigation is located or in which records are kept.
 - b. Access to copy any records required to be kept under the terms and conditions of this Certification.

- c. Inspection of any treatment equipment, monitoring equipment, or monitoring method required by this Certification.
 - d. Sampling of any discharge or surface water covered by this Order.
4. The Riverside County Transportation Department must notify the Regional Board within **24 hours** of any unauthorized discharge, including hazardous or toxic materials, to waters of the U.S. and/or State; measures that were implemented to stop and contain the discharge; measures implemented to clean-up the discharge; the volume and type of materials discharged and recovered; and additional best management practice (BMPs) or other measures that will be implemented to prevent future discharges.
5. The Riverside County Transportation Department must, at all times, maintain appropriate types and sufficient quantities of materials onsite to contain any spill or inadvertent release of materials that may cause a condition of pollution or nuisance if the materials reach waters of the U.S. and/or State.
6. This Certification is not transferable in its entirety or in part to any person except after notice to the Executive Officer of the Regional Board in accordance with the following terms.
 - a. **Transfer of Property Ownership:** The Riverside County Transportation Department must notify the Regional Board of any change in ownership of the project area. Notification of change in ownership must include, but not be limited to, a statement that the Riverside County Transportation Department has provided the purchaser with a copy of the Section 401 Water Quality Certification and that the purchaser understands and accepts the certification requirements and the obligation to implement them or be subject to liability for failure to do so; the seller and purchaser must sign and date the notification and provide such notification to the Executive officer of the Regional Board within **10 days** of the transfer of ownership.
 - b. **Transfer of Mitigation Responsibility:** Any notification of transfer of responsibilities to satisfy the mitigation requirements set forth in Section D shall include a signed statement from an authorized representative of the new party (transferee) demonstrating acceptance and understanding of the responsibility to comply with and fully satisfy the mitigation conditions and agreement that failure to comply with the mitigation conditions and associated requirements may subject the transferee to enforcement by the Regional Board under Water Code section 13385, subdivision (a). Notification of transfer of responsibilities meeting the above conditions must be provided to the Regional Board within **10 days** of the transfer date.

GLENDALE

7. In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation must be subject to any remedies, penalties, process or sanctions as provided for under State law. For purposes of section 401(d) of the Clean Water Act, the applicability of any State law authorizing remedies, penalties, process or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Certification.
8. In response to a suspected violation of any condition of this Certification, the Regional Board may require the holder of any permit or license subject to this Certification to furnish, under penalty of perjury, any technical or monitoring reports the Regional Board deems appropriate, provided that the burden, including costs, of the reports must bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports.
9. In response to any violation or threatened violation of the conditions of this Certification, the Regional Board may add to or modify the conditions of this Certification as appropriate to ensure compliance.
10. The Riverside County Transportation Department and successor owners must submit annual progress reports describing status of compliance with all requirements of this Certification to the Regional Board prior to **August 1** of each year following the issuance of this Certification until the project has reached completion. The Riverside County Transportation Department may submit a joint annual progress report with 401 Certification No. 07C-109.

B. PROJECT CONDITIONS:

1. Prior to the start of the project, and annually thereafter, the Riverside County Transportation Department must educate all personnel on the requirements in this Certification, pollution prevention measures, spill response, and BMP implementation and maintenance.
2. The Riverside County Transportation Department must comply with the requirements of State Water Resources Control Board Water Quality Order No. 2003-0017-DWQ, Statewide General Waste Discharge Requirements for discharges of dredged or fill material that have received State Water Quality Certification. These General Waste Discharge Requirement are accessible at:
http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/general_orders/go_wdr401regulated_projects.pdf.
3. The Riverside County Transportation Department must notify the Regional Board in writing at least **5 days** prior to the actual commencement of dredge,

fill, and discharge activities.

4. The Riverside County Transportation Department must comply with the requirements of State Water Resources Control Board Water Quality Order No. 99-08-DWQ, and any subsequent re-issuance, the NPDES General Permit for Storm Water Discharges Associated with Construction Activity.
5. The treatment, storage, and disposal of wastewater during the life of the project must be done in accordance with waste discharge requirements established by the Regional Board pursuant to CWC § 13260.
6. Discharges of concentrated flow during construction or after completion must not cause downstream erosion or damage to properties or stream habitat.
7. Water containing mud, silt, or other pollutants from equipment washing or other activities, must not be discharged to waters of the United States and/or the State or placed in locations that may be subjected to storm flows. Pollutants discharged to areas within a stream diversion area must be removed at the end of each work day or sooner if rain is predicted.
8. All surface waters, including ponded waters, must be diverted away from areas undergoing grading, construction, excavation, vegetation removal, and/or any other activity which may result in a discharge to the receiving water. Diversion activities must not result in the degradation of beneficial uses or exceedance of water quality objectives of the receiving waters. Any temporary dam or other artificial obstruction constructed must only be built from materials such as clean gravel which will cause little or no siltation. Normal flows must be restored to the affected stream immediately upon completion of work at that location.
9. Substances hazardous to aquatic life including, but not limited to, petroleum products, raw cement/concrete, asphalt, and coating materials, must be prevented from contaminating the soil and/or entering waters of the United States and/or State. BMPs must be implemented to prevent such discharges during each project activity involving hazardous materials.
10. Removal of vegetation must occur by hand, mechanically, or using EPA approved herbicides deployed using applicable BMPs to prevent impacts to Beneficial Uses of waters of the State. Removal of vegetation must occur outside of the avian nesting season (March 15- August 31).

C. POST CONSTRUCTION STORM WATER MANAGEMENT

1. All storm drain inlet structures within the project boundaries must be stamped and/or stenciled (or equivalent) with appropriate language prohibiting non-storm water discharges.

2. All post-construction BMPs, including those described in the Final Project Specific Water Quality Management Plan for the Clinton Keith Road Extension from Antelope Road to French Valley Creek prepared by CH2MHill and dated March, 2009, must be sized to comply with the following numeric sizing criteria:
 - a. Volume
Volume-based BMPs must be designed to mitigate (infiltrate, filter, or treat) either:
 - i. The volume of runoff produced from a 24-hour 85th percentile storm event, as determined from the local historical rainfall record (0.6 inch approximate average for the San Diego County area); or
 - ii. The volume of runoff, as determined from the local historical rainfall record, that achieves approximately the same reduction in pollutant loads and flows as achieved by mitigation of the 85th percentile 24-hour runoff event; or
 - b. Flow
Flow-based BMPs must be designed to mitigate (infiltrate, filter, or treat) either:
 - i. The maximum flow rate of runoff produced from a rainfall intensity of 0.2 inch of rainfall per hour; or
 - ii. The maximum flow rate of runoff produced by the 85th percentile hourly rainfall intensity, as determined from the local historical rainfall record, multiplied by a factor of two; or
 - iii. The maximum flow rate of runoff, as determined from the same reduction in pollutant loads and flows as achieved by mitigation of the 85th percentile hourly rainfall intensity multiplied by a factor of two.
3. Post-construction BMPs must be installed and functional prior to roadway use.
4. The Riverside County Transportation Department must install biofiltration catch basin units with a medium to high removal efficiency for 303(d) listed pollutants for all storm drain catch basins on the portion of the site as described in the Final Project Specific Water Quality Management Plan for the Clinton Keith Road Extension from Antelope Road to French Valley Creek.
5. All post-construction structural BMPs, including, but not limited to, the vegetated extended detention basin and biofiltration catch basin units, must be regularly inspected and maintained by the Riverside County Transportation Department or their designated party for the life of the project per the manufacturers' specifications.

6. Treatment BMPs must be inspected prior to the commencement of the rainy season (October 1) and after every storm event exceeding 0.5 inches of precipitation.
7. Records must be kept regarding inspections and maintenance in order to assess the performance of the systems and determine whether adaptations are necessary to protect receiving waters.
8. The Riverside County Transportation Department, assumes responsibility for the inspection and maintenance of all post-construction structural BMPs until such responsibility is legally transferred to another entity.
9. At the time maintenance responsibility for post-construction BMPs is legally transferred, the Riverside County Transportation Department must submit to the Regional Board a copy of such documentation.
10. At the time maintenance responsibility for post-construction BMPs is legally transferred, the Riverside County Transportation Department must provide the transferee with a copy of a long-term BMP maintenance plan that complies with manufacturer specifications.

D. COMPENSATORY MITIGATION FOR LOSS OF WATERS OF THE U.S./STATE

1. Mitigation for permanent discharges to 0.31 acres (1,850 linear feet) of non-wetland waters of the United States and temporary discharges to 0.01 acres (360 linear feet) of non-wetland waters of the United States must occur as follows and as described in the Clinton Keith Road Extension Habitat Mitigation and Monitoring Plan, dated November 10, 2008:
 - a. Through the on-site self-establishment of 2,211 linear feet (0.31 acres) of non-wetland waters of the United States.
2. The Riverside County Transportation Department must submit a Final Enhancement and Mitigation Plan **prior to commencement of Project construction.**
3. The Riverside County Transportation Department must restore all areas of temporary impacts and all other areas of temporary disturbance which could result in a discharge or a threatened discharge to waters of the United States/State. Restoration must include grading of disturbed areas to pre-project contours and revegetation with native species. The Riverside County Transportation Department must implement all necessary BMPs to control erosion and runoff from areas associated with this project.
4. **Prior to the start of construction**, the Riverside County Transportation Department must provide the Regional Board a draft preservation mechanism

(e.g. deed restriction, conservation easement, etc.) that will protect all mitigation areas and their buffers in perpetuity. Within **one year of the start of construction**, the Riverside County Transportation Department must submit proof of a completed preservation mechanism that will protect all mitigation areas and their buffers in perpetuity. The conservation easement, deed restriction, or other legal limitation on the mitigation property must be adequate to demonstrate that the site will be maintained without future development or encroachment on the site which could otherwise reduce the functions and values of the site for the variety of beneficial uses of waters of the U.S. that it supports. The legal limitation must prohibit, without exception, all residential, commercial, industrial, institutional, and transportation development, and any other infrastructure development that would not maintain or enhance the wetland and streambed functions and values of the site. The preservation mechanism must clearly prohibit activities that would result in soil disturbance or vegetation removal, other than the removal of non-native vegetation. Other infrastructure development to be prohibited includes, but is not limited to, additional utility lines, maintenance roads, and areas of maintained landscaping for recreation.

5. The Riverside County Transportation Department must notify the Regional Board in writing at least **5 days** prior to the actual commencement of mitigation installation, and completion of mitigation installation.
6. Mitigation Site Preparation: The Riverside County Transportation Department must salvage leaf litter, coarse woody debris, and upper soil horizons from impacted jurisdictional water sites that are relatively free of invasive exotic species for use in on-site mitigation areas.
7. The Riverside County Transportation Department must also salvage large cuttings from appropriate tree species if they exist at the impact site and use them as pole plantings at the mitigation site.
8. The Riverside County Transportation Department must submit a report (including topography maps and planting locations) to the Regional Board within **90 days** of completion of mitigation site preparation and planting, describing as-built status of the mitigation project.
9. The construction of proposed mitigation must be concurrent with project grading and completed no later than 9 months following the initial discharge of dredge or fill material into on-site waters. Delays in implementing mitigation must be compensated for by an increased mitigation implementation of 10 percent of the cumulative compensatory mitigation for each month of delay.
10. Throughout the mitigation monitoring program mitigation areas must be maintained free of perennial exotic plant species including, but not limited to,

pampas grass, giant reed, tamarisk, sweet fennel, tree tobacco, castor bean, and pepper tree. Annual exotic plant species must not occupy more than 5 percent of the onsite or offsite mitigation areas.

11. Regional Board acceptance of the mitigation plan applies only to the site and plan that mitigates for the Clinton Keith Road Extension West project and must not be construed as approval of the mitigation site or plan for use by other current or future projects that are planning to use the Project site for mitigation.
12. If at any time during the implementation and establishment of the mitigation area(s), and prior to verification of meeting success criteria, a catastrophic natural event (e.g., fire, flood) occurs and impacts the mitigation area, the Riverside County Transportation Department is responsible for repair and replanting of the damaged area(s).
13. Mitigation monitoring reports must be submitted annually until mitigation has been deemed successful. Annual monitoring reports must be submitted prior to **December 1** of each year. The Riverside County Transportation Department may submit a joint annual monitoring report with 401 Certification No. 07C-109. Monitoring reports must include, but not be limited to, the following:
 - a. Names, qualifications, and affiliations of the persons contributing to the report;
 - b. Tables presenting the raw data collected in the field as well as analyses of the physical and biological data, including at a minimum;
 - c. Topographic complexity characteristics at each mitigation site;
 - d. Upstream and downstream habitat and hydrologic connectivity;
 - e. Source of hydrology;
 - f. Width of native vegetation buffer around the entire mitigation site;
 - g. Qualitative and quantitative comparisons of current mitigation conditions with pre-construction conditions and previous mitigation monitoring results;
 - h. Photodocumentation from established reference points;
 - i. A Survey report documenting boundaries of mitigation area; and
 - j. Other items specified in the final mitigation and monitoring plan.
14. In the event that the proposed mitigation does not obtain the 5th year success criteria as described in Table 7 in the Clinton Keith Road Extension Habitat Mitigation and Monitoring Plan, dated November 10, 2008, the applicants shall provide the RWQCB with a technical report detailing the actions that will be taken to bring the mitigation up to the success criteria. This report shall also provide an evaluation of alternative mitigation opportunities within the Murrieta Hydrologic Area to be utilized for additional mitigation, if portions of the required mitigation are unsuccessful after five years.

15. For the purpose of determining mitigation credit for the removal of exotic/invasive plant species, only the actual area occupied by exotic/invasive plant species must be quantified to comply with mitigation requirements.
16. For purposes of this Certification, establishment is defined as the creation of vegetated or unvegetated waters of the U.S./State where the resource has never previously existed (e.g. conversion of nonnative grassland to a freshwater marsh). Restoration is divided into two activities, re-establishment and rehabilitation. Re-establishment is defined as the return of natural/historic functions to a site where vegetated or unvegetated waters of the U.S./State previously existed (e.g., removal of fill material to restore a drainage). Rehabilitation is defined as the improvement of the general suite of functions of degraded vegetated or unvegetated waters of the U.S./State (e.g., removal of a heavy infestation or monoculture of exotic plant species from jurisdictional areas and replacing with native species). Enhancement is defined as the improvement to one or two functions of existing vegetated or unvegetated waters of the U.S./State (e.g., removal of small patches of exotic plant species from an area containing predominantly natural plant species). Preservation is defined as the acquisition and legal protection from future impacts in perpetuity of existing vegetated or unvegetated waters of the U.S./State (e.g., conservation easement).

E. STREAM PHOTO DOCUMENTATION PROCEDURE

1. The Riverside County Transportation Department, and its successors, must conduct photo documentation of the project site, including all areas of permanent and temporary impact, prior to and after project construction, and mitigation areas, including all areas of permanent and temporary impact, prior to and after project construction. Photo documentation must be conducted in accordance with the State Water Resources Control Board Standard Operating Procedure 4.2.1.4: Stream Photo Documentation Procedure, included as Attachment Number (7). In addition, photo documentation must include Geographic Positioning System (GPS) coordinates for each of the photo points referenced. The Riverside County Transportation Department must submit this information in a photo documentation report to the Regional Board with the **Mitigation and Monitoring reports (see Condition D.13)**. The report must include a compact disc that contains digital files of all the photos (jpeg file type or similar).

F. POST-CONSTRUCTION BEST MANAGEMENT PRACTICES PHOTO DOCUMENTATION PROCEDURE

1. The Riverside County Transportation Department must conduct photo documentation of implemented post-construction BMPs. Photo-documentation must be modeled after the State Water Resources Control

Board Standard Operating Procedure 4.2.1.4: Stream Photo Documentation Procedure, included as Attachment 6. In addition, photo documentation must include Global Positioning System (GPS) coordinates for each of the photo points referenced. The Riverside County Transportation Department must submit this information in a photo documentation report to the Regional Board with the **Final Project Annual Report (see Condition A.10)**. The report must include a compact disc that contains digital files of all the photos (jpeg file type or similar).

G. GEOGRAPHIC INFORMATION SYSTEM REPORTING

1. The Riverside County Transportation Department must submit Geographic Information System (GIS) shape files of the impact and mitigation areas within **first Mitigation and Monitoring Report (see Condition D.12)** following mitigation installation. All impact and mitigation areas shapefiles must be polygons. Two GPS readings (points) must be taken on each line of the polygon and the polygon must have a minimum of 10 points. GIS metadata must also be submitted.

H. REPORTING:

1. All information requested in this Certification is pursuant to California Water Code (CWC) section 13267. Civil liability may be administratively imposed by the Regional Board for failure to furnish requested information pursuant to CWC section 13268.
2. All reports and information submitted to the Regional Board must be submitted in both hardcopy and electronic format. The preferred electronic format for each report submission is one file in PDF format that is also Optical Character Recognition (OCR) capable.
3. The Riverside County Transportation Department must submit a report to the Regional Board within **the Final Project Annual Report (see Condition A.10)** of completion of the project. The report should include as-built drawings no bigger than 11" x 17" and photos of the completed project.
4. All applications, reports, or information submitted to the Regional Board must be signed and certified as follows:
 - a. For a corporation, by a responsible corporate officer of at least the level of vice president.
 - b. For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
 - c. For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.

~~CONFIDENTIAL~~

5. A duly authorized representative of a person designated in Items 4.a. through 4.c. above may sign documents if:
 - a. The authorization is made in writing by a person described in Items 4.a. through 4.c. above.
 - b. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
 - c. The written authorization is submitted to the Regional Board Executive Officer.

6. All applications, reports, or information submitted to the Regional Board must be signed and certified as follows:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

7. The Riverside County Transportation Department must submit reports required under this Certification, or other information required by the Regional Board, to:

Executive Officer
California Regional Water Quality Control Board
San Diego Region
Attn: 401 Certification; Project No. 09C-059
9174 Sky Park Court, Suite 100
San Diego, California 92123

8. Required Reports: The following list summarizes the reports required per the conditions of this Certification to be submitted to the Regional Board.

Report Topic	Certification Condition	Due Date(s)
Unauthorized Discharge	A.4	Within 24 Hours
Certification Transfer	A.6	Within 10 Days of Transfer
Annual Progress Reports	A.10	August 01 Annually
Commencement of Fill	B.3	5 Days Prior
Final Enhancement and Mitigation Plan	D.2	Prior to Construction
Preservation Mechanism	D.4	Draft Prior to Construction Final within 1 year of Construction Initiation
Mitigation Commencement	D.5	5 days Prior
Mitigation As-Builts	D.8	Within 90 days of Completion
Mitigation Annual Reports	D.13	December 01 Annually
Stream Photo Documentation	E.1	Mitigation and Monitoring Reports
Post-Construction BMP Photo Documentation	F.1	Final Project Annual Report
GIS Reporting	G.1	First Mitigation and Monitoring Report
Project As-Builts	H.3	Final Project Annual Report

CEQA FINDINGS:

1. The Riverside County Transportation Department is the lead agency under the California Environmental Quality Act (Public Resources Code section 21000, et seq., (CEQA)), and filed a Notice of Completion on December 20, 2004 for a Environmental Impact Report (SCH# 95062022) for the project under CEQA Guidelines Title 14, California Code of Regulations, 15075 (14 CCR § 15075). Following proposed project changes, the Riverside County Transportation Department released a Supplemental Environmental Impact Report.
2. The Regional Board has reviewed the lead agency's Supplemental and original Environmental Impact Report, and finds that the project as proposed will not have a significant effect on the environment with conditioned mitigation measures and therefore determines that issuance of this Certification is consistent with the Supplemental Environmental Impact Report and original Environmental Impact Report.

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PUBLIC NOTIFICATION OF PROJECT APPLICATION:

On November 30, 2007 receipt of the project application was posted on the Regional Board web site to serve as appropriate notification to the public.

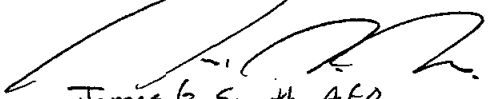
REGIONAL WATER QUALITY CONTROL BOARD CONTACT PERSON:

Chad Loflen
California Regional Water Quality Control Board, San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123
858-467-2727
cloflen@waterboards.ca.gov

WATER QUALITY CERTIFICATION:

I hereby certify that the proposed discharge from the Clinton Keith Road Extension West Project (Project No. 07C-110) will comply with the applicable provisions of sections 301 ("Effluent Limitations"), 302 ("Water Quality Related Effluent Limitations"), 303 ("Water Quality Standards and Implementation Plans"), 306 ("National Standards of Performance"), and 307 ("Toxic and Pretreatment Effluent Standards") of the Clean Water Act. This discharge is also regulated under State Water Board Order No. 2003-0017-DWQ, "Statewide General Waste Discharge Requirements for Dredged or Fill Discharges that have Received State Water Quality Certification (General WDRs)," which requires compliance with all conditions of this Water Quality Certification. Please note that enrollment under Order No. 2003-017 DWQ is conditional and, should new information come to our attention that indicates a water quality problem, the Regional Board may issue waste discharge requirements at that time.

Except insofar as may be modified by any preceding conditions, all Certification actions are contingent on (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the applicants' project description and/or on the attached Project Information Sheet, and (b) on compliance with all applicable requirements of the Regional Board's Water Quality Control Plan (Basin Plan).


For James G. Smith, AEO
DAVID W. GIBSON
Executive Officer
Regional Water Quality Control Board

11 Feb 10
Date

Attachments:

1. Project Information
2. Distribution List
3. Location Map
4. Site Maps
5. Mitigation Maps
6. Post-Construction BMP Maps
7. Stream Photodocumentation Procedure

070110

**ATTACHMENT 1
PROJECT INFORMATION**

Applicant: Riverside County Transportation Department
 Attention: Laurie Dobson Correa
 4080 Lemon Street, 8th Floor
 Riverside, CA 92502
 Telephone: 951-955-2016
 Facsimile: 951-955-3164
 Email: lcorrea@rctlma.org

Applicant
 Representatives: CH2M Hill
 Attention: Carolyn Washburn
 3 Hutton Centre Drive, Suite 200
 Santa Ana, CA 92707
 Telephone: 714-227-5463
 Facsimile: 714-424-2079
 Email: Carolyn.washburn@ch2m.com

Project Name: Clinton Keith Road Extension Project West

Project Location: Latitude: 33 35'52.32"N Longitude: 117 10'17.61"W to
 Latitude: 33 36'6.86"N Longitude: 117 8'12.47"W

Type of Project: Transportation Improvement

Need for Project: The project will widen existing Clinton Keith Road and extend the road east to State Route 79. The project is needed to provide an east-west arterial connection between I-215 and State Route 79.

Project Description: The project is a portion of the extension, widening, and re-alignment of Clinton Keith Road from the Interstate 215 to State Route 79 in Riverside County. The project will extend the western portion of Clinton Keith from I-215 to Liberty Lane. The western extension of Clinton Keith requires the placement of a bridge over Warm Springs Creek, as well as the placement of larger culverts at Drainages A and B, which in total would result in permanent impacts of 0.31 acres (1,850 linear feet) and temporary impacts of 0.01 acres (360 linear feet) to non-wetland waters of the United States.

Federal
 Agency/Permit: U.S. Army Corps of Engineers §404, NWP 14,
 ACOE Staff: James Mace

~~CONFIDENTIAL~~

Other Required Regulatory Approvals: California Department of Fish and Game 1600 Streambed Alteration Agreement, CDFG Staff: Anna Milloy

California Environmental Quality Act (CEQA) Compliance: Environmental Impact Report and Supplemental Environmental Impact Report, Notice of Completion: 12/20/2004, SCH#95062022, Lead Agency: Riverside County Transportation Department

Receiving Water: Warm Springs Creek, Santa Margarita HU, Murrieta HA, French HSA

Affected Waters of the United States: Temporary:
Un-vegetated Streambed: 0.01 acres, 360 linear feet
Permanent:
Un-vegetated Streambed: 0.31 acres, 1,850 linear feet

Dredge Volume: n/a

Related Projects Implemented/to be Implemented by the Applicant(s): Clinton Keith Road Extension Project East. The U.S. Army Corps of Engineers required the project be split into East and West portions and receive individual 404 permits.

Compensatory Mitigation: On-site:
Streambed: 2,211 linear feet (at least 0.31 acres) of self-creating (establishment) drainages on-site and restoration of temporary impacts to pre-project conditions.

Mitigation Location: On-site at Drainage A and adjacent to Warm Springs Creek.

Best Management Practices (BMPs): Construction
In accordance with State Water Resources Control Board Water Quality Order No. 99-08-DWQ, and any subsequent re-issuance.
Post Construction
In accordance with the Project Specific Water Quality Management Plan for the Clinton Keith Road Extension from Antelope Road to "French Valley Creek" prepared by CH2M Hill for the Riverside County Transportation Department and

revised March 2009.

The Project will widen the existing paved portion of Clinton Keith Road from the I-215 to Meadowlark lane. The Riverside County Transportation Authority proposes to utilize biofiltration catch basin units in existing storm drains and/or those constructed as part of the project. All new impervious surfaces associated with the construction of Clinton Keith Road from Meadowlark Lane to Liberty Lane are proposed to be treated by a vegetated extended detention basin. The Post-Construction BMPs proposed will treat 100 percent of new impervious surfaces associated with construction of the project and will also treat existing un-treated impervious surfaces west of Meadowlark Lane.

Public Notice: November 30, 2007. No comments were received on the project.

Inspection: n/a

Fees: Total Due: \$11,550.00
Total Paid: \$11,550.00 (check No. 0500918558 and No. 0501285912)

CIWQS: Regulatory Measure ID: 337628
Place ID: 708506
Party ID: 366229

0500918558

**ATTACHMENT 2
E-MAIL DISTRIBUTION LIST**

James Mace
U.S. Army Corps of Engineers, Regulatory Branch
James.E.Mace@usace.army.mil

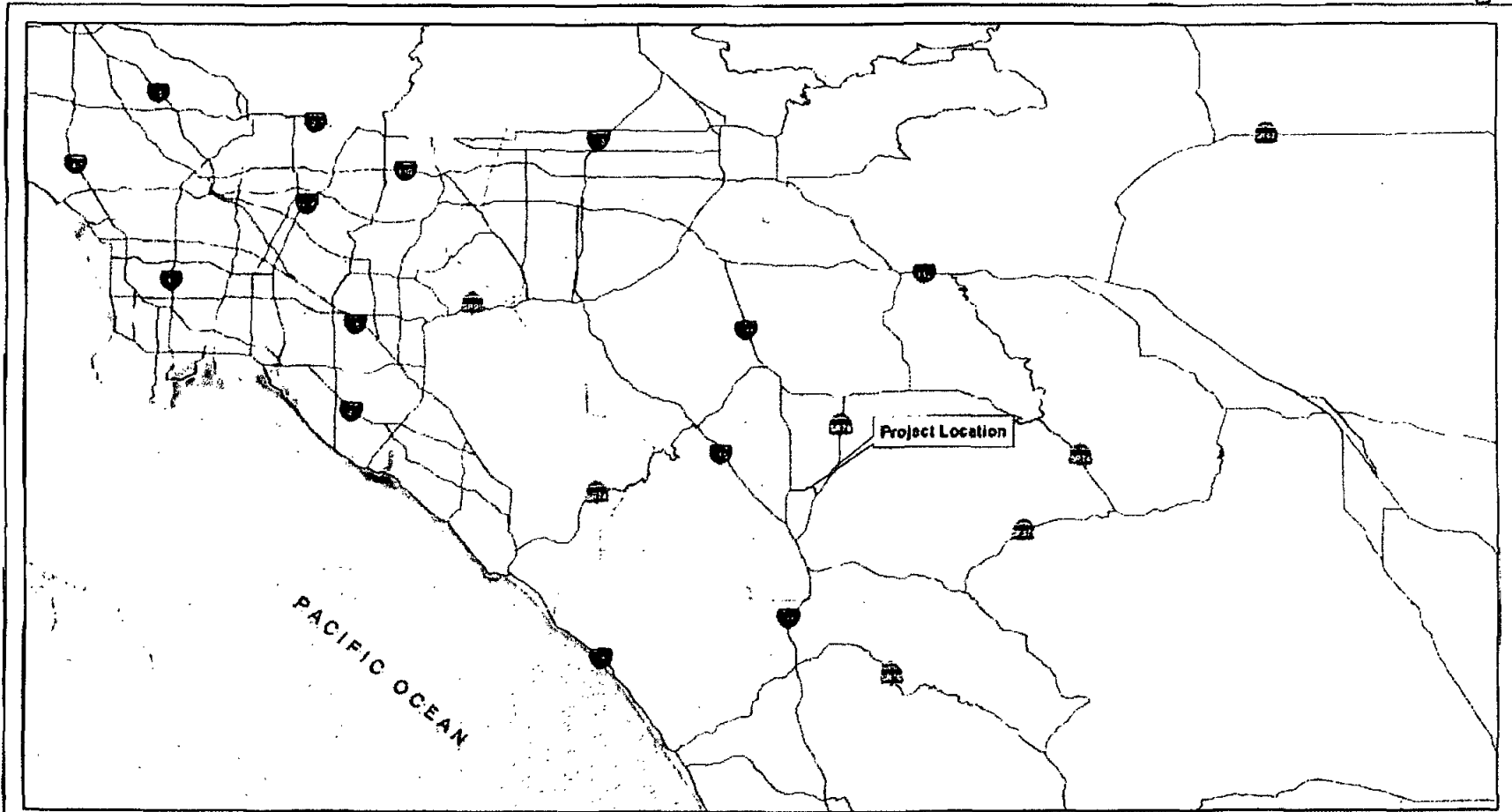
Anna Milloy
California Department of Fish and Game
amilloy@dfg.ca.gov

USEPA, Region 9
R9-WTR8-Mailbox@epa.gov

State Water Resources Control Board, Division of Water Quality
401 Water Quality Certification and Wetlands Unit
Stateboard401@waterboards.ca.gov

Carolyn Washburn
CH2M Hill
Carolyn.washburn@ch2m.com

ATTACHMENT 3 PROJECT LOCATION



- Legend:
- Proposed Alignment
 - Roads
 - County Boundary

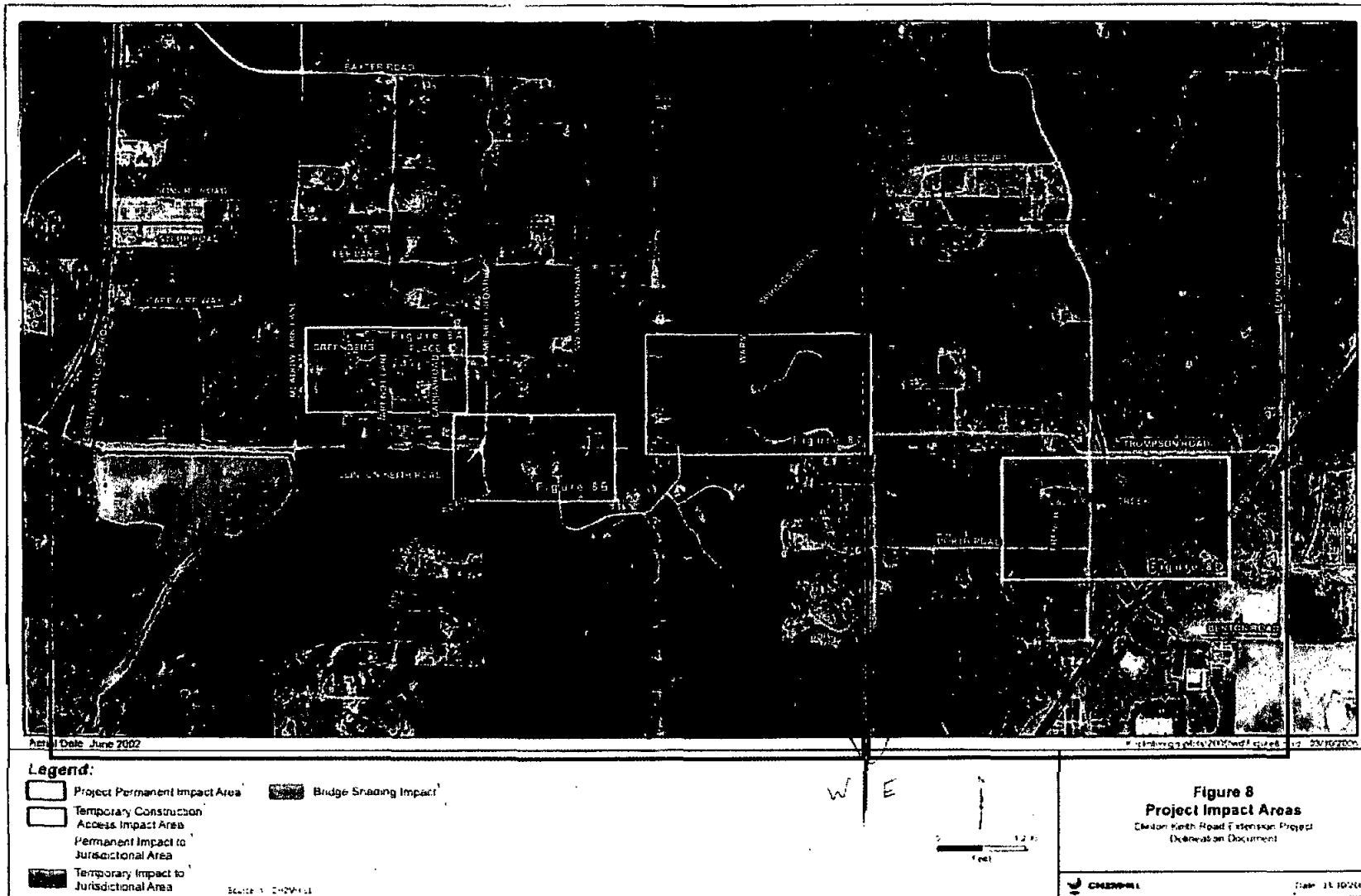


Figure ES-1
Regional Project Area
Cotton Kettle Road Extension Project

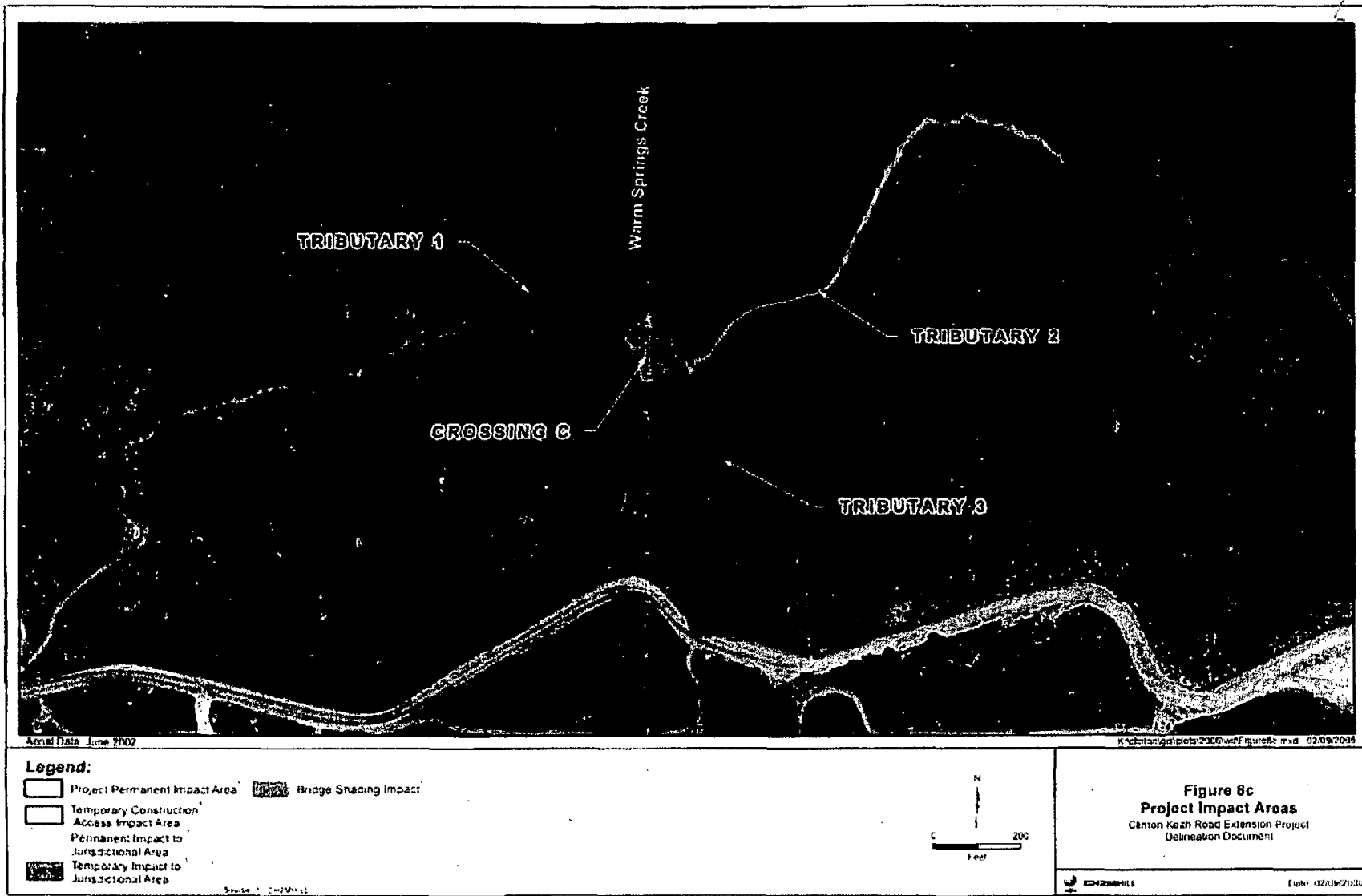
218101010

ATTACHMENT 4 SITE MAPS

Red: 07C-110 (West) Blue: 07C-109 (East)







ATTACHMENT 5 MITIGATION MAPS

Non-wetland waters (NWW) of the United States

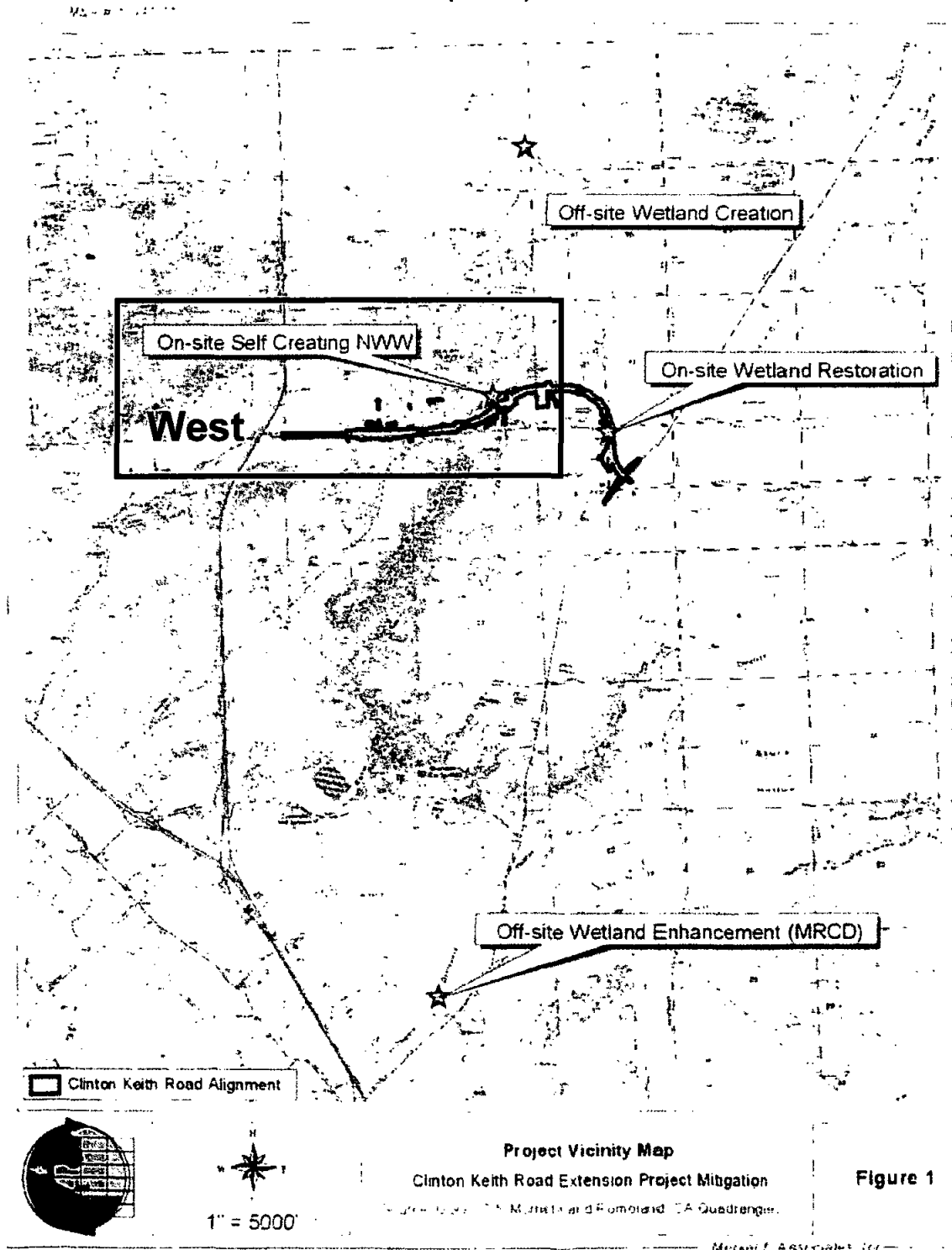


Figure 1

Wetland mitigation is associated with the Clinton Keith Road Project East (07C-109)

Establishment Areas A-G (see additional maps)

A-10' proposed flow, outside culvert & inside R/W

B-255' proposed flow, outside culvert & inside R/W

C-120' proposed flow, outside culvert & inside R/W

D-582' proposed flow, outside Culvert & inside R/W

E-519' proposed flow, outside culvert & inside R/W

F-215' proposed flow, outside culvert & inside R/W

G-520' proposed flow, outside culvert & inside R/W

Total = 2221 feet

07C-110

CONSTRUCTION NOTES:

- 1. CONSTRUCT HEADWALL PER CALTRANS DETAIL C89.
- 2. CONSTRUCT OLD AND G1 INLET PER CALTRANS STD PLANS D98C AND D75. SEE GUT CONNECTION DETAIL "A". SHEETS 134 & 135.
- 3. CONSTRUCT CURB INLET CATCH BASIN PER RCD STD 300.
- 4. CONSTRUCT J2 PER RCP & RED STD J5227. SEE DRAINAGE TABLE, SHEET 135.
- 5. CONSTRUCT M41 PER RCP & RED STD M4951. PER SPEC. ILE.
- 6. INSTALL ROCK SLOPE PROTECTION PER DETAIL, SHEET 137.
- 7. CONSTRUCT OLD AND G1 INLET PER CALTRANS STD PLANS D98C AND D75. SEE GUT CONNECTION DETAIL "B". SHEET 134.
- 8. CONSTRUCT OLD AND G1 INLET PER CALTRANS STD PLANS D98C AND D75.
- 9. CONSTRUCT M41. SEE SHEET 130.
- 10. CONSTRUCT DEP INLET PER CALTRANS PLAN D158.

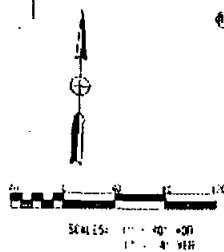
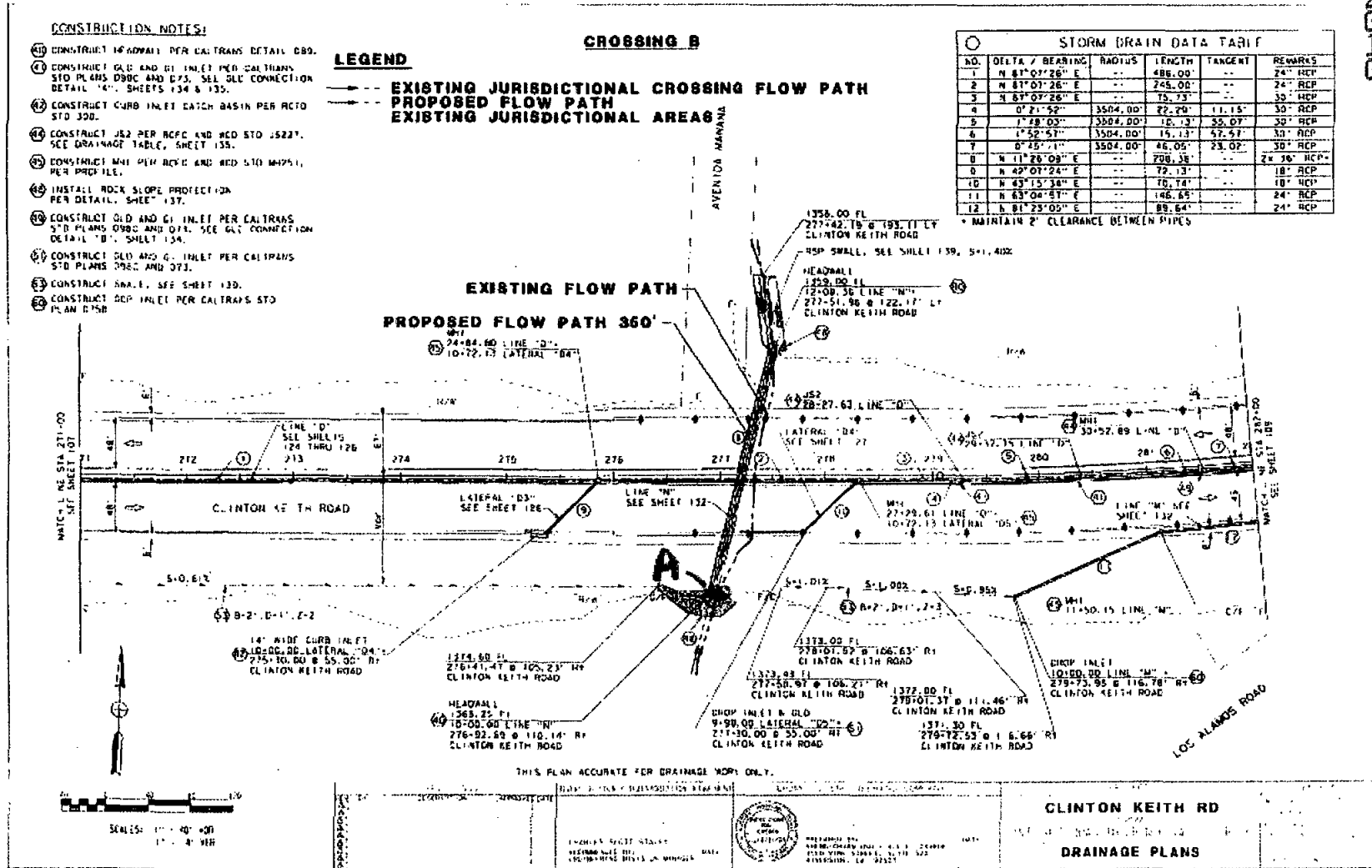
LEGEND

- EXISTING JURISDICTION CROSSING FLOW PATH
- PROPOSED FLOW PATH
- EXISTING JURISDICTIONAL AREAS

CROSSING B

STORM DRAIN DATA TABLE					
NO.	DELTA / BEARING	RADIUS	LENGTH	TANGENT	REMARKS
1	N 81°07'26" E	--	486.00'	--	24" RCP
2	N 81°07'26" E	--	245.00'	--	24" RCP
3	N 87°07'26" E	--	75.73'	--	30" RCP
4	0°21'52"	3504.00'	72.20'	11.15'	30" RCP
5	1°28'03"	3504.00'	16.73'	55.07'	30" RCP
6	1°52'57"	3504.00'	15.13'	57.51'	30" RCP
7	0°25'11"	3504.00'	48.05'	23.07'	30" RCP
8	N 11°28'09" E	--	700.38'	--	24" 30" RCP
9	N 42°07'24" E	--	72.13'	--	18" RCP
10	N 43°15'34" E	--	70.74'	--	18" RCP
11	N 63°04'51" E	--	146.65'	--	24" RCP
12	S 81°23'00" E	--	89.64'	--	24" RCP

* MAINTAIN 2" CLEARANCE BETWEEN PIPES



THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.

DATE: 11/15/2011
 DRAWN BY: J. J. WILSON
 CHECKED BY: J. J. WILSON
 PROJECT NO: 07C-110
 SHEET NO: 134

CLINTON KEITH RD
DRAINAGE PLANS

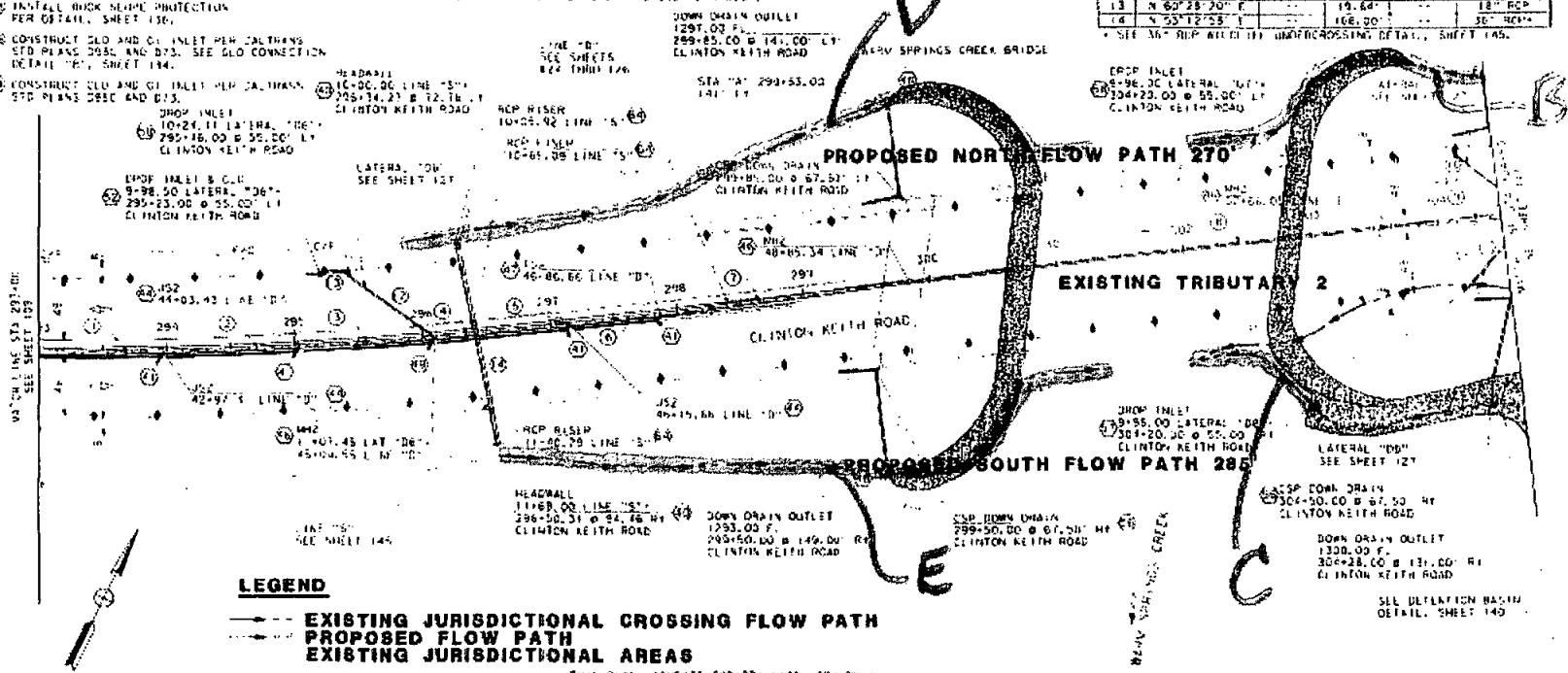
CLINTON KEITH RD

CROSSING C

CONSTRUCTION NOTES:

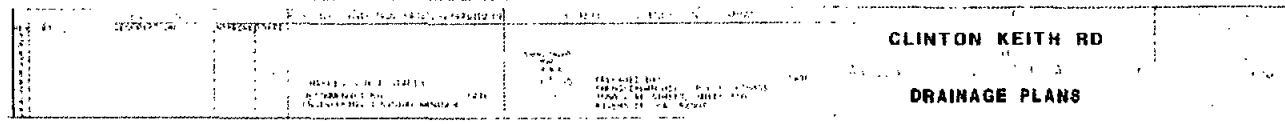
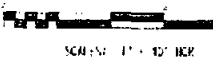
- 1. CONSTRUCT HEADWALL PER CALTRANS DETAIL D81.
- 2. CONSTRUCT GLO AND G.I. INLET PER CALTRANS STD PLANS D98C AND D73. SEE G.I. CONNECTION DETAIL "A", SHEETS 134 & 135.
- 3. CONSTRUCT JS2 PER RCP AND WCD STD JS207. SEE DRAINAGE TABLE, SHEET 135.
- 4. CONSTRUCT MH2 PER RCP AND WCD STD MH252. PER PROFILES.
- 5. CONSTRUCT TSI PER RCP AND WCD STD JS302. SET DRAINAGE TABLE, SHEET 135.
- 6. INSTALL BRICK SLIPPER PROTECTION PER DETAIL, SHEET 136.
- 7. CONSTRUCT GLO AND G.I. INLET PER CALTRANS STD PLANS D98C AND D73. SEE G.I. CONNECTION DETAIL "A", SHEET 134.
- 8. CONSTRUCT GLO AND G.I. INLET PER CALTRANS STD PLANS D98C AND D73.
- 9. CONSTRUCT GLO AND G.I. INLET PER CALTRANS STD PLAN D98C AND SHEET 135.
- 10. CONSTRUCT 18" (450mm) CSP GOAN DRAIN PER CALTRANS STD PLAN D87A BY MOUNTABLE OILIE TYPE 1.
- 11. CONSTRUCT G.I. INLET PER CALTRANS STD PLAN D71.
- 12. CONSTRUCT RCP INLET. SEE SHEET 139.
- 13. CONSTRUCT SKYLIGHT PER MANUFACTURER'S SPECS OVER 36" RCP RISER DEP CALTRANS STD PLAN D93A.

NO.	DE. TA / BEARING	RADIUS	LENGTH	TANGENT	CHORD
1	1° 35' 18"	3504.00'	97.11'	48.56'	36" RCP
2	1° 44' 07"	3504.00'	106.12'	53.07'	36" RCP
3	1° 44' 07"	3504.00'	106.12'	53.07'	36" RCP
4	1° 36' 29"	3504.00'	98.15'	49.10'	36" RCP
5	N 51° 38' 57" E	---	7.16'	---	36" RCP
6	N 51° 38' 57" E	---	11.00'	---	36" RCP
7	N 51° 38' 57" E	---	148.78'	---	36" RCP
8	N 51° 38' 57" E	---	180.71'	---	36" RCP
9	N 51° 38' 57" E	---	180.71'	---	36" RCP
10	N 51° 38' 57" E	---	71.81'	---	18" RCP
11	N 15° 58' 23" E	---	71.81'	---	18" RCP
12	S 16° 53' 46" E	---	83.34'	---	18" RCP
13	N 60° 28' 20" E	---	19.84'	---	18" RCP
14	N 55° 12' 55" E	---	168.00'	---	36" RCP

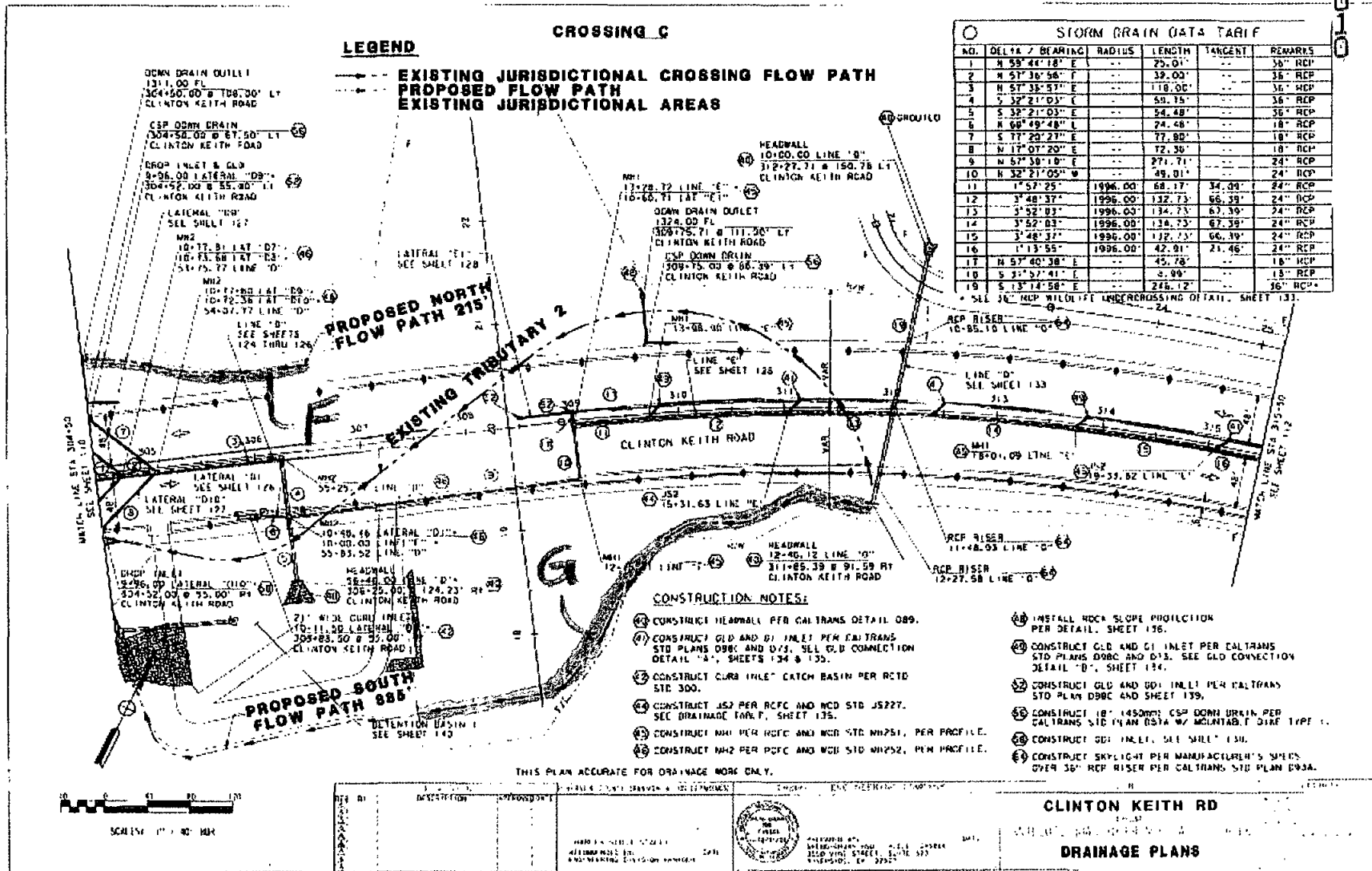


LEGEND

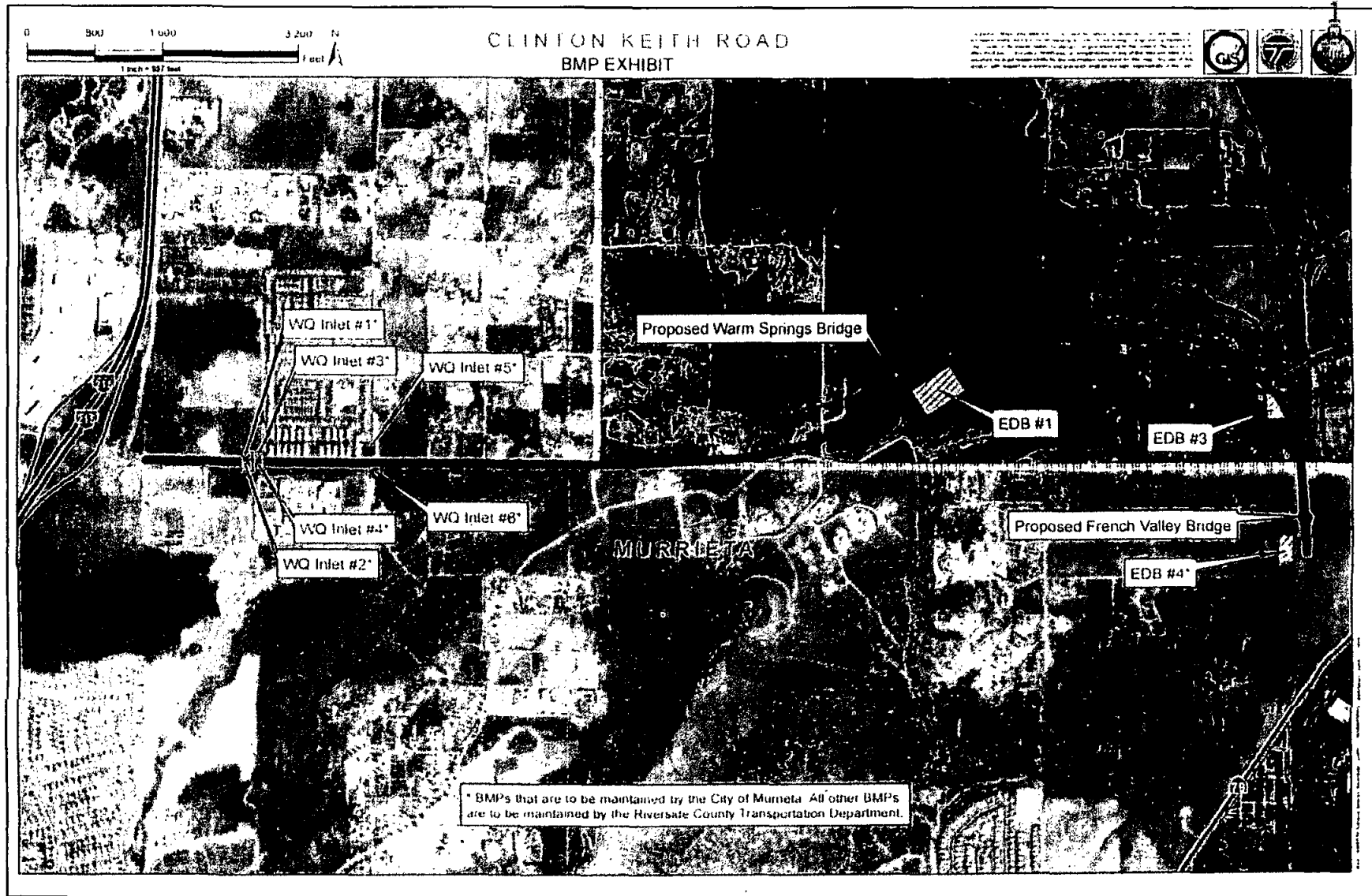
- EXISTING JURISDICTIONAL CROSSING FLOW PATH
 - PROPOSED FLOW PATH
 - EXISTING JURISDICTIONAL AREAS
- THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.



CLINTON KEITH RD



ATTACHMENT 6 POST CONSTRUCTION BMP MAP



ATTACHMENT 7 STREAM PHOTO DOCUMENTATION PROCEDURES

Standard Operating Procedure (SOP)

Stream Photo Documentation Procedure

(CARCD 2001, Written by TAC Visual Assessments work group)

Introduction:

Photographs provide a qualitative, and potentially semi-quantitative, record of conditions in a watershed or on a water body. Photographs can be used to document general conditions on a reach of a stream during a stream walk, pollution events or other impacts, assess resource conditions over time, or can be used to document temporal progress for restoration efforts or other projects designed to benefit water quality. Photographic technology is available to anyone and it does not require a large degree of training or expensive equipment. Photos can be used in reports, presentations, or uploaded onto a computer website or GIS program. This approach is useful in providing a visual portrait of water resources to those who may never have the opportunity to actually visit a monitoring site.

Equipment:

Use the same camera to the extent possible for each photo throughout the duration of the project. Either 35 mm color or digital color cameras are recommended, accompanied by a telephoto lens. If you must change cameras during the program, replace the original camera with a similar one comparable in terms of media (digital vs. 35 mm) and other characteristics. A complete equipment list is suggested as follows:

Required:

- Camera and backup camera
- Folder with copies of previous photos (do not carry original photos in the field)
- Topographic and/or road map
- Aerial photos if available
- Compass
- Timepiece
- Extra film or digital disk capacity (whichever is applicable)
- Extra batteries for camera (if applicable)
- Photo-log data sheets or, alternatively, a bound notebook dedicated to the project
- Yellow photo sign form and black marker, or, alternatively, a small black board and chalk

Optional:

0400N\0400N

- GPS unit
- Stadia rod (for scale on landscape shots)
- Ruler (for scale on close up views of streams and vegetation)
- Steel fence posts for dedicating fixed photo points in the absence of available fixed landmarks

How to Access Aerial Photographs:

Aerial Photos can be obtained from the following federal agencies:

USGS Earth Science Information Center
 507 National Center
 12201 Sunrise Valley Drive
 Reston, VA 22092
 800-USA-MAPS

USDA Consolidated Farm Service Agencies
 Aerial Photography Field Office
 222 West 2300 South
 P.O. Box 30010
 Salt Lake City, UT 84103-0010
 801-524-5856

Cartographic and Architectural Branch
 National Archives and Records Administration
 8601 Adelphi Road
 College park, MD 20740-6001
 301-713-7040

Roles and Duties of Team:

The team should be comprised of a minimum of two people, and preferably three people for restoration or other water quality improvement projects, as follows:

1. Primary Photographer
2. Subject, target for centering the photo and providing scale
3. Person responsible for determining geographic position and holding the photo sign forms or blackboard.

One of these people is also responsible for taking field notes to describe and record photos and photo points.

Safety Concerns:

Persons involved in photo monitoring should **ALWAYS** put safety first. For safety reasons, always have at least two 2 volunteers for the survey. Make sure that the

area(s) you are surveying either are accessible to the public or that you have obtained permission from the landowner prior to the survey.

Some safety concerns that may be encountered during the survey include, but are not limited to:

- Inclement weather
- Flood conditions, fast flowing water, or very cold water
- Poisonous plants (e.g.: poison oak)
- Dangerous insects and animals (e.g.: bees, rattlesnakes, range animals such as cattle, etc.)
- Harmful or hazardous trash (e.g.: broken glass, hypodermic needles, human feces)

We recommend that the volunteer coordinator or leader discuss the potential hazards with all volunteers prior to any fieldwork.

General Instructions:

From the inception of any photo documentation project until it is completed, always take each photo from the same position (photo point), and at the same bearing and vertical angle at that photo point. Photo point positions should be thoroughly documented, including photographs taken of the photo point. Refer to copies of previous photos when arriving at the photo point. Try to maintain a level (horizontal) camera view unless the terrain is sloped. (If the photo can not be horizontal due to the slope, then record the angle for that photo.) When photo points are first being selected, consider the type of project (meadow or stream restoration, vegetation management for fire control, ambient or event monitoring as part of a stream walk, etc.) and refer to the guidance listed on *Suggestions for Photo Points by Type of Project*.

When taking photographs, try to include landscape features that are unlikely to change over several years (buildings, other structures, and landscape features such as peaks, rock outcrops, large trees, etc.) so that repeat photos will be easy to position. Lighting is, of course, a key ingredient so give consideration to the angle of light, cloud cover, background, shadows, and contrasts. Close view photographs taken from the north (i.e., facing south) will minimize shadows. Medium and long view photos are best shot with the sun at the photographer's back. Some artistic expression is encouraged as some photos may be used on websites and in slide shows (early morning and late evening shots may be useful for this purpose). Seasonal changes can be used to advantage as foliage, stream flow, cloud cover, and site access fluctuate. It is often important to include a ruler, stadia rod, person, farm animal, or automobile in photos to convey the scale of the image. Of particular concern is the angle from which the photo is taken. Oftentimes an overhead or elevated shot from a bridge, cliff, peak, tree, etc. will be instrumental in conveying the full dimensions of the

project. Of most importance overall, however, is being aware of the goal(s) of the project and capturing images that clearly demonstrate progress towards achieving those goal(s). Again, reference to *Suggestions for Photo Points by Type of Project* may be helpful.

If possible, try to include a black board or yellow photo sign in the view, marked at a minimum with the location, subject, time and date of the photograph. A blank photo sign form is included in this document.

Recording Information:

Use a systematic method of recording information about each project, photo point, and photo. The following information should be entered on the photo-log forms (blank form included in this document) or in a dedicated notebook:

- Project or group name, and contract number (if applicable, e.g., for funded restoration projects)
- General location (stream, beach, city, etc.), and short narrative description of project's habitat type, goals, etc.
- Photographer and other team members
- Photo number
- Date
- Time (for each photograph)
- Photo point information, including:
 - Name or other unique identifier (abbreviated name and/or ID number)
 - Narrative description of location including proximity to and direction from notable landscape features like roads, fence lines, creeks, rock outcrops, large trees, buildings, previous photo points, etc. – sufficient for future photographers who have never visited the project to locate the photo point
 - Latitude, longitude, and altitude from map or GPS unit
- Magnetic compass bearing from the photo point to the subject
- Specific information about the subject of the photo
- Optional additional information: a true compass bearing (corrected for declination) from photo point to subject, time of sunrise and sunset (check newspaper or almanac), and cloud cover.

For ambient monitoring, the stream and shore walk form should be attached or referenced in the photo-log.

When monitoring the implementation of restoration, fuel reduction, or Best Management Practices (BMP) projects, include or attach to the photo-log a narrative description of observable progress in achieving the goals of the project. Provide supplementary information along with the photo, such as noticeable changes in habitat, wildlife, and water quality and quantity.

Archive all photos, along with the associated photo-log information, in a protected environment.

The Photo Point: Establishing Position of Photographer:

1. Have available a variety of methods for establishing position: maps, aerial photos, GPS, permanent markers and landmarks, etc. If the primary method fails (e.g., a GPS or lost marker post) then have an alternate method (map, aerial photo, copy of an original photograph of the photo-point, etc).
2. Select an existing structure or landmark (mailbox, telephone pole, benchmark, large rock, etc.), identify its latitude and longitude, and choose (and record for future use) the permanent position of the photographer relative to that landmark. Alternatively, choose the procedure described in *Monitoring California's Annual Rangeland Vegetation* (UC/DANR Leaflet 21486, Dec. 1990). This procedure involves placing a permanently marked steel fence post to establish the position of the photographer.
3. For restoration, fuel reduction, and BMP projects, photograph the photo-points and carry copies of those photographs on subsequent field visits.

Determining the Compass Bearing:

1. Select and record the permanent magnetic bearing of the photo center view. You can also record the true compass bearing (corrected for declination) but do not substitute this for the magnetic bearing. Include a prominent landmark in a set position within the view. If possible, have an assistant stand at a fixed distance from both the photographer and the center of the view, holding a stadia rod if available, within the view of the camera; preferably position the stadia rod on one established, consistent side of the view for each photo (right or left side).
2. Alternatively, use the procedure described in *Monitoring California's Annual Rangeland Vegetation* (UC/DANR Leaflet 21486, Dec. 1990). This procedure involves placing a permanently marked steel fence post to establish the position of the focal point (photo center).
3. When performing ambient or event photo monitoring, and when a compass is not available, then refer to a map and record the approximate bearing as north, south, east or west.

Suggestions for Photo Points by Type of Project:

Ambient or Event Monitoring, Including Photography Associated with Narrative Visual Assessments:

1. When first beginning an ambient monitoring program take representative long and/or medium view photos of stream reaches and segments of shoreline being monitored. Show the positions of these photos on a map, preferably on the stream/shore walk form. Subjects to be photographed include a representative view of the stream or shore condition at the beginning and ending positions of the segment being monitored, storm drain outfalls, confluence of tributaries, structures (e.g., bridges, dams, pipelines, etc.).
2. If possible, take a close view photograph of the substrate (streambed), algae, or submerged aquatic vegetation.
3. Time series: Photographs of these subjects at the same photo points should be repeated annually during the same season or month if possible.
4. Event monitoring refers to any unusual or sporadic conditions encountered during a stream or shore walk, such as trash dumps, turbidity events, oil spills, etc. Photograph and record information on your photo-log and on your Stream and Shore Walk Visual Assessment form. Report pollution events to the Regional Board. Report trash dumps to local authorities.

All Restoration and Fuel Reduction Projects – Time Series:

Take photos immediately before and after construction, planting, or vegetation removal. Long term monitoring should allow for at least annual photography for a minimum of three years after the project, and thereafter at 5 years and ten years.

Meadow Restoration:

1. Aerial view (satellite or airplane photography) if available.
2. In the absence of an aerial view, a landscape, long view showing an overlapping sequence of photos illustrating a long reach of stream and meadow (satellite photos, or hill close by, fly-over, etc.)
3. Long view up or down the longitudinal dimension of the creek showing riparian vegetation growth bounded on each side by grasses, sedges, or whatever that is lower in height
4. Long view of conversion of sage and other upland species back to meadow vegetation

5. Long view and medium view of streambed changes (straightened back to meandering, sediment back to gravel, etc.)
6. Medium and close views of structures, plantings, etc. intended to induce these changes

Stream Restoration/stabilization:

1. Aerial view (satellite or airplane photography) if available.
2. In the absence of an aerial view, a landscape, long-view showing all or representative sections of the project (bluff, bridge, etc.)
3. Long view up or down the stream (from stream level) showing changes in the stream bank, vegetation, etc.
4. Long view and medium view of streambed changes (thalweg, gravel, meanders, etc.)
5. Medium and close views of structures, plantings, etc. intended to induce these changes.
6. Optional: Use a tape set perpendicular across the stream channel at fixed points and include this tape in your photos described in 3 and 4 above. For specific procedures refer to Harrelson, Cheryl C., C.L. Rawlins, and John P. Potyondy, *Stream Channel Reference Sites: An Illustrated Guide to Field Techniques*, United States Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-245.

Vegetation Management for Fire Prevention ("fuel reduction"):

1. Aerial view (satellite or airplane photography) if available.
2. In the absence of an aerial view, a landscape, long view showing all or representative sections of the project (bluff, bridge, etc.)
3. Long view (wide angle if possible) showing the project area or areas. Preferably these long views should be from an elevated vantage point.
4. Medium view photos showing examples of vegetation changes, and plantings if included in the project. It is recommended that a person (preferably holding a stadia rod) be included in the view for scale

5. To the extent possible include medium and long view photos that include adjacent stream channels.

Stream Sediment Load or Erosion Monitoring:

1. Long views from bridge or other elevated position.
2. Medium views of bars and banks, with a person (preferably holding a stadia rod) in view for scale.
3. Close views of streambed with ruler or other common object in the view for scale.
4. Time series: Photograph during the dry season (low flow) once per year or after a significant flood event when streambed is visible. The flood events may be episodic in the south and seasonal in the north.
5. Optional: Use a tape set perpendicular across the stream channel at fixed points and include this tape in your photos described in 1 and 2 above. For specific procedures refer to Harrelson, Cheryl C., C.L. Rawlins, and John P. Potyondy, *Stream Channel Reference Sites: An Illustrated Guide to Field Techniques*, United States Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-245.

PHOTO- LOG FORM

Project:

Location:

Date:

Photographer:

Team members:

Photo #	Time	Photo Point ID	Photo Pt. Description & Location	Bearing to Subject	Subject Description

General Notes or Comments (weather, cloud cover, time of sunrise and sunset, other pertinent information):

PHOTO SIGN FORM: Print this form on yellow paper. Complete the following information for each photograph. Include in the photographic view so that it will be legible in the finished photo.

Location:

Subject Description:

Date:

Time:

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>X</p> <p>B. Received by (Printed Name) C. Date of Delivery</p>
<p>1. Article Addressed to:</p> <p>Laurie Dobson Correa Riverside County Transportation Department</p> <p>4080 Lemon St., 8th Floor Riverside, CA 92502</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7009 1410 0002 2347 4091</p>
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	

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 Laurie Dobson Correa, Transportation
Street, Apt. No.;
or PO Box No. 4080 Lemon St., 8th Floor
City, State, ZIP+4
 Riverside, CA 92502

PS Form 3800, August 2006 See Reverse for Instructions

0100N/011N

DEPARTMENT OF FISH AND GAME<http://www.dfg.ca.gov>

Eastern Sierra-Inland Deserts Region
3 602 Inland Empire Blvd., Suite C-220
Ontario, CA 91764
Phone (909) 484-0459
Fax (909) 481-29



March 19, 2007

Ms. Laurie Dobson Correa
Riverside County Transportation Department
14th Street Transportation Annex, 3525
Riverside, CA 92501

Carolyn Washburn
CH2MHILL
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707

Re. Notification of Lake or Streambed Alteration
Notification No 1600-2006-0272-R6
Clinton Keith Road Extension Project

Dear Laurie:

The Department had until March 19, 2007 to submit a draft Lake or Streambed Alteration Agreement to you or inform you that an agreement is not required. Due to staffing constraints, the Department was unable to meet that date. As a result, by law, you may now complete the project described in your notification without an agreement. In doing so, however, the project must be the same one and conducted in the same manner as described in the notification. That includes completing the project within the proposed term and seasonal work period and implementing all mitigation and avoidance measures to protect fish and wildlife resources specified in the notification. (Fish and Game Code section 1602(a)(4)(D).)

If your project differs from the one described in the notification, you may be in violation of Fish and Game Code section 1602. Also even though you are entitled to complete the project without an agreement, you are still responsible for complying with all other applicable local, state, and federal laws, including, for example, the state and federal Endangered Species Acts and Fish and Game Code sections 5650 (water pollution) and 5901 (fish passage).

Finally, you must have a copy of this letter *and* your notification with all attachments available at all times at the work site. If you have any questions regarding this matter, please contact Jeff Brandt at the above address or telephone number.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeff Brandt", is written over a circular stamp or seal.

Jeff Brandt
Environmental Scientist
Habitat Conservation Planning, Region 6

CH2MHILL TRANSMITTAL

To: California Department of Fish and Game
4665 Lampson Avenue, Suite J
Los Alamitos CA 90720

From: Carolyn Washburn
CH2M HILL
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707

Attn: Sheila Aguinaldo

Date: December 20 2006

Re: Clinton Keith Road Extension Project – California Department of Fish and Game 1600 Permit Application (revised)

We Are Sending You:

Method of shipment:

Attached

Under separate cover via

Shop Drawings

Documents

Tracings

Prints

Specifications

Catalogs

Copy of letter

Other:

Quantity	Description
1 copy	Notification of Lake or Streambed Alteration Application (revised)
1 CD	Final Supplemental Environmental Impact Report 398 Volume 1 (January 2006)
1 CD	Final Report: Jurisdictional Delineation and Permitting Report (August 2006)
1 copy	Check number: 0500918561 for the amount of \$4000.00

If the material received is not as listed, please notify us at once.

Remarks:

Sheila,

Per your request, enclosed is the revised CDFG Notification of Lake or Streambed Alteration Application for the Clinton Keith Road Extension Project. An application was previously sent to the Streambed Alteration Team on December 1, 2006.

When you have completed your review of the material, please let me know if you have any questions. We can discuss the project in more detail.

Please feel free to contact me at (714) 227-5463.

Thank you,

Carolyn Washburn

FOR DEPARTMENT USE ONLY				
Date Received	Amount Received	Amount Due	Date Complete	Notification No.
	\$	\$		



STATE OF CALIFORNIA
DEPARTMENT OF FISH AND GAME
NOTIFICATION OF LAKE OR STREAMBED ALTERATION



Complete EACH field, unless otherwise indicated, following the enclosed instructions and submit ALL required enclosures. Attach additional pages, if necessary.

1. APPLICANT PROPOSING PROJECT

Name	Laurie Dobson Correa			
Business/Agency	Riverside County Transportation Department (RCTD)			
Street Address	14th Street Transportation Annex, 3525 14th Street			
City, State, Zip	Riverside, CA 92501			
Telephone	(951) 955-2016	Fax	(951) 955-3164	
Email	LDCORREA@rctdma.org			

2. CONTACT PERSON (Complete only if different from applicant)

Name	Carolyn Washburn			
Street Address	3 Hutton Centre Drive, Suite 200			
City, State, Zip	Santa Ana, CA 92707			
Telephone	(714) 227-5463	Fax	(714) 424-2079	
Email	Carolyn.Washburn@ch2m.com			

3. PROPERTY OWNER (Complete only if different from applicant)

Name	County of Riverside			
Street Address				
City, State, Zip				
Telephone		Fax		
Email				

4. PROJECT NAME AND AGREEMENT TERM

A. Project Name		Clinton Keith Road Extension Project		
B. Agreement Term Requested		<input checked="" type="checkbox"/> Regular (5 years or less) <input type="checkbox"/> Long-term (greater than 5 years)		
C. Project Term		D. Seasonal Work Period		E. Number of Work Days
Beginning (year)	Ending (year)	Start Date (month/day)	End Date (month/day)	
2007	2008	09/01	08/31	180.00

NOTIFICATION OF LAKE OR STREAMBED ALTERATION

5. AGREEMENT TYPE

Check the applicable box. If box B, C, D, or E is checked, complete the specified attachment.

A.	<input checked="" type="checkbox"/> Standard (Most construction projects, excluding the categories listed below)	
B.	<input type="checkbox"/> Gravel/Sand/Rock Extraction (Attachment A)	Mine I.D. Number: _____
C.	<input type="checkbox"/> Timber Harvesting (Attachment B)	THP Number: _____
D.	<input type="checkbox"/> Water Diversion/Extraction/Impoundment (Attachment C)	SWRCB Number: _____
E.	<input type="checkbox"/> Routine Maintenance (Attachment D)	
F.	<input type="checkbox"/> DFG Fisheries Restoration Grant Program (FRGP)	FRGP Contract Number: _____
G.	<input type="checkbox"/> Master	
H.	<input type="checkbox"/> Master Timber Harvesting	

6. FEES

Please see the current fee schedule to determine the appropriate notification fee. Itemize each project's estimated cost and corresponding fee. *Note: The Department may not process this notification until the correct fee has been received.*

	A. Project	B. Project Cost	C. Project Fee
1	Clinton Keith Road Extension Project	\$40,000,000.00	\$4,000.00
2			
3			
4			
5			
		D. Base Fee (if applicable)	
		E. TOTAL FEE ENCLOSED	\$4,000.00

7. PRIOR NOTIFICATION OR ORDER

A. Has a notification previously been submitted to, or a Lake or Streambed Alteration Agreement previously been issued by, the Department for the project described in this notification?

Yes (Provide the information below) No

Applicant: _____ Notification Number: _____ Date: _____

B. Is this notification being submitted in response to an order, notice, or other directive ("order") by a court or administrative agency (including the Department)?

No Yes (Enclose a copy of the order, notice, or other directive. If the directive is not in writing, identify the person who directed the applicant to submit this notification and the agency he or she represents, and describe the circumstances relating to the order.)

Continued on additional page(s)

NOTIFICATION OF LAKE OR STREAM ALTERATION

8 PROJECT LOCATION

<p>A. Address or description of project location. <i>(Include a map that marks the location of the project with a reference to the nearest city or town, and provide driving directions from a major road or highway)</i></p> <p>The proposed Project is located in western Riverside County along the northern jurisdiction of the City of Murrieta and unincorporated Riverside County, between Interstate (I) 215 and State Route (SR) 79. The Project consists of constructing a six-lane urban arterial between Antelope Road and SR 79. This will occur along the existing dirt alignment of Clinton Keith Road to the point where it intersects with Los Alamos Road, and then continue easterly on the adopted General Plan alignment to SR 79.</p> <p>See attached Jurisdictional Delineation and Permitting Report for more detail.</p> <p align="right"><input type="checkbox"/> Continued on additional page(s)</p>					
B. River, stream, or lake affected by the project.		Warm Springs and French Valley Creek			
C. What water body is the river, stream, or lake tributary to?		Murrieta Creek			
D. Is the river or stream segment affected by the project listed in the state or federal Wild and Scenic Rivers Acts?			<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No
E. County		Riverside			
F. USGS 7.5 Minute Quad Map Name		G. Township	H. Range	I. Section	J. ¼ Section
Refer to Table 8F on page 1 of attachment					
<input checked="" type="checkbox"/> Continued on additional page(s)					
K. Meridian (check one)		<input type="checkbox"/> Humboldt <input type="checkbox"/> Meridian <input checked="" type="checkbox"/> San Bernardino			
L. Assessor's Parcel Number(s)					
The project spans multiple parcels. See attached Final Supplemental EIR (January 2006) for parcels and assessor parcel numbers along proposed alignment. <p align="right"><input type="checkbox"/> Continued on additional page(s)</p>					
M. Coordinates (If available, provide at least latitude/longitude or UTM coordinates and check appropriate boxes)					
		Latitude: -117.14228872961		Longitude: 33.60030597749	
Latitude/Longitude		<input type="checkbox"/> Degrees/Minutes/Seconds		<input checked="" type="checkbox"/> Decimal Degrees	
				<input type="checkbox"/> Decimal Minutes	
UTM		Easting :		Northing:	
				<input type="checkbox"/> Zone 10 <input type="checkbox"/> Zone 11	
Datum used for Latitude/Longitude or UTM		<input type="checkbox"/> NAD 27		<input checked="" type="checkbox"/> NAD 83 or WGS 84	

NOTIFICATION OF LAKE OR STREAMBED ALTERATION

9. PROJECT CATEGORY AND WORK TYPE *(Check each box that applies)*

PROJECT CATEGORY	NEW CONSTRUCTION	REPLACE EXISTING STRUCTURE	REPAIR/MAINTAIN EXISTING STRUCTURE
Bank stabilization – bioengineering/recontouring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank stabilization – rip-rap/ retaining wall/gabion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boat dock/pier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boat ramp	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bridge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Channel clearing/vegetation management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Culvert	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Debris basin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diversion structure – weir or pump intake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filling of wetland, river, stream, or lake	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Geotechnical survey	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Habitat enhancement – revegetation/mitigation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Levee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Low water crossing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Road/trail	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sediment removal – pond, stream, or marina	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Storm drain outfall structure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporary stream crossing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility crossing : Horizontal Directional Drilling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jack/bore	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Open trench	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other <i>(specify)</i> Construction of Clinton Keith Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTIFICATION OF LAKE OR STREAMBED ALTERATION

10. PROJECT DESCRIPTION

A. Describe the project in detail. Photographs of the project location and immediate surrounding area should be included.

- Include any structures (e.g. rip-rap, culverts, or channel clearing) that will be placed, built, or completed in or near the stream, river, or lake.
- Specify the type and volume of materials that will be used.
- If water will be diverted or drafted, specify the purpose or use.

Enclose diagrams, drawings, plans, and/or maps that provide all of the following: site specific construction details; the dimensions of each structure and/or extent of each activity in the bed, channel, bank or floodplain; an overview of the entire project area (i.e., "bird's-eye view") showing the location of each structure and/or activity, significant area features, and where the equipment/machinery will enter and exit the project area.

See attached Jurisdictional Delineation and Permitting Report for a detailed project description.

Continued on additional page(s)

B. Specify the equipment and machinery that will be used to complete the project.

See attached Final Supplemental Environmental Impact Report for this information.

Continued on additional page(s)

C. Will water be present during the proposed work period (specified in box 4.D) in the stream, river, or lake (specified in box 8.B).

Yes No (Skip to box 11)

D. Will the proposed project require work in the wetted portion of the channel?

Yes (Enclose a plan to divert water around work site)
 No

NOTIFICATION OF LAKE OR STREAMBED ALTERATION

1. PROJECT IMPACTS

A. Describe impacts to the bed, channel, and bank of the river, stream, or lake, and the associated riparian habitat. Specify the dimensions of the modifications in length (linear feet) and area (square feet or acres) and the type and volume of material (cubic yards) that will be moved, displaced, or otherwise disturbed, if applicable.

See attached Jurisdictional Delineation and Permitting Report for more detail.

Continued on additional page(s)

B. Will the project affect any vegetation? Yes (Complete the tables below) No

Vegetation Type	Temporary Impact	Permanent Impact
Refer to Table 11B on page 2 of attachment.	Linear feet: _____ Total area: _____	Linear feet: _____ Total area: _____
	Linear feet: _____ Total area: _____	Linear feet: _____ Total area: _____

Tree Species	Number of Trees to be Removed	Trunk Diameter (range)
None		

Continued on additional page(s)

C. Are any special status animal or plant species, or habitat that could support such species, known to be present on or near the project site?

Yes (List each species and/or describe the habitat below) No Unknown

Refer to Final Supplemental Environmental Impact Report, Volume 1, Section 3.5 Biological Resources

Continued on additional page(s)

D. Identify the source(s) of information that supports a "yes" or "no" answer above in Box 11.C.

Refer to Final Supplemental Environmental Impact Report, Volume 1, Section 3.5 Biological Resources.

Continued on additional page(s)

E. Has a biological study been completed for the project site?

Yes (Enclose the biological study) No

Note: A biological assessment or study may be required to evaluate potential project impacts on biological resources.

F. Has a hydrological study been completed for the project or project site?

Yes (Enclose the hydrological study) No

Note: A hydrological study or other information on site hydraulics (e.g., flows, channel characteristics, and/or flood recurrence intervals) may be required to evaluate potential project impacts on hydrology.

NOTIFICATION OF LAKE OR STREAMBED ALTERATION

12. MEASURES TO PROTECT FISH, WILDLIFE, AND PLANT RESOURCES

A. Describe the techniques that will be used to prevent sediment from entering watercourses during and after construction.

See attached Jurisdictional Delineation and Permitting Report for more detail.

Continued on additional page(s)

B. Describe project avoidance and/or minimization measures to protect fish, wildlife, and plant resources.

See attached Jurisdictional Delineation and Permitting Report for more detail.

Also refer to Final Supplemental Environmental Impact Report, Volume 1, Section 3.5 Biological Resources.

Continued on additional page(s)

C. Describe any project mitigation and/or compensation measures to protect fish, wildlife, and plant resources.

See attached Jurisdictional Delineation and Permitting Report for more detail.

Continued on additional page(s)

13. PERMITS

List any local, state, and federal permits required for the project and check the corresponding box(es). Enclose a copy of each permit that has been issued.

- A. _____ Clean Water Act Section 404 Permit: NWP 14 Applied Issued
- B. _____ Clean Water Act Section 401 Applied Issued
- C. _____ Applied Issued
- D. Unknown whether local, state, or federal permit is needed for the project. (Check each box that applies)

Continued on additional page(s)

NOTIFICATION OF LAKE OR STREAMBED ALTERATION

14. ENVIRONMENTAL REVIEW

A. Has a draft or final document been prepared for the project pursuant to the California Environmental Quality Act (CEQA), National Environmental Protection Act (NEPA), California Endangered Species Act (CESA) and/or federal Endangered Species Act (ESA)?			
<input checked="" type="checkbox"/> Yes (Check the box for each CEQA, NEPA, CESA, and ESA document that has been prepared and enclose a copy of each) <input type="checkbox"/> No (Check the box for each CEQA, NEPA, CESA, and ESA document listed below that will be or is being prepared)			
<input type="checkbox"/> Notice of Exemption	<input type="checkbox"/> Mitigated Negative Declaration	<input type="checkbox"/> NEPA document (type) _____	
<input type="checkbox"/> Initial Study	<input checked="" type="checkbox"/> Environmental Impact Report	<input type="checkbox"/> CESA document (type): _____	
<input type="checkbox"/> Negative Declaration	<input checked="" type="checkbox"/> Notice of Determination (Enclose)	<input type="checkbox"/> ESA document (type) _____	
<input type="checkbox"/> HP/ NTMP	<input type="checkbox"/> Mitigation, Monitoring, Reporting Plan		
B. State Clearinghouse Number (if applicable)		SCH # 1995062002	
C. Has a CEQA lead agency been determined?		<input checked="" type="checkbox"/> Yes (Complete boxes D, E, and F) <input type="checkbox"/> No (Skip to box 14.G)	
D. CEQA Lead Agency	Riverside County Transportation Department		
E. Contact Person	Laurie Dobson Correa	F. Telephone Number	(951) 955-2016
G. If the project described in this notification is part of a larger project or plan, briefly describe that larger project or plan.			
<input type="checkbox"/> Continued on additional page(s)			
H. Has an environmental filing fee (Fish and Game Code section 711.4) been paid?			
<input checked="" type="checkbox"/> Yes (Enclose proof of payment) <input type="checkbox"/> No (Briefly explain below the reason a filing fee has not been paid)			
<i>Note: If a filing fee is required, the Department may not finalize a Lake or Streambed Alteration Agreement until the filing fee is paid.</i>			

15. SITE INSPECTION

Check one box only.	
<input type="checkbox"/> In the event the Department determines that a site inspection is necessary, I hereby authorize a Department representative to enter the property where the project described in this notification will take place at any reasonable time, and hereby certify that I am authorized to grant the Department such entry.	
<input checked="" type="checkbox"/> I request the Department to first contact (insert name) <u>Laurie Dobson Correa</u> at (insert telephone number) <u>(951 955-2016</u> to schedule a date and time to enter the property where the project described in this notification will take place. I understand that this may delay the Department's determination as to whether a Lake or Streambed Alteration Agreement is required and/or the Department's issuance of a draft agreement pursuant to this notification.	

NOTIFICATION OF LAKE OR STREAM ALTERATION

16. DIGITAL FORMAT

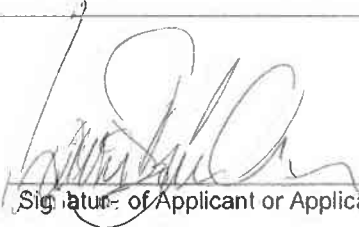
Is any of the information included as part of the notification available in digital format (i.e., CD, DVD, etc.)?

Yes (Please enclose the information via digital media with the completed notification form)

No

17. SIGNATURE

I hereby certify that to the best of my knowledge the information in this notification is true and correct and that I am authorized to sign this notification as, or on behalf of, the applicant. I understand that if any information in this notification is found to be untrue or incorrect, the Department may suspend processing this notification or suspend or revoke any draft or final Lake or Streambed Alteration Agreement issued pursuant to this notification. I understand also that if any information in this notification is found to be untrue or incorrect and the project described in this notification has already begun, I and/or the applicant may be subject to civil or criminal prosecution. I understand that this notification applies only to the project(s) described herein and that I and/or the applicant may be subject to civil or criminal prosecution for undertaking any project not described herein unless the Department has been separately notified of that project in accordance with Fish and Game Code section 1602 or 1611.



Signature of Applicant or Applicant's Authorized Representative

Date

12-19-06



Print Name

8.F PROJECT LOCATION (Continued)

USGS 7.5 Minute Quad Map Name	Township	Range	Section
Murrieta and Bachelor Mountain	6S	2W	31
Murrieta	6S	3W	36
Murrieta and Bachelor Mountain	7S	2W	06
Murrieta	7S	3W	01
Murrieta	6S	3W	35
Murrieta	6S	3W	34
Murrieta	7S	3W	02
Murrieta	7S	3W	03

11.B PROJECT IMPACTS (Continued)

Crossing Designation	Approximate Linear Feet/ Crossed	CDFG Jurisdictional Area Impacted (temporary/permanent) (Acres)	Habitat Description
Crossing A	450 Culvert Crossing	None / 0.13	Upland vegetation -- California Buckwheat and chamise
Crossing B	350 Culvert Crossing	None / 0.03	Upland vegetation -- Grasses and low herbaceous species
Crossing C: Warm Springs Creek	360 Bridge Crossing	0.01/ 0.30 (shading) ¹	cottonwood (<i>Populus</i> sp.), willow (<i>Salix</i> sp.), and mulefat (<i>Baccharis salicifolia</i>)
Crossing C (Tributary 2): Warm Springs Creek	1050 Culvert Crossing	None / 0.1	Upland vegetation - California buckwheat and chamise
Crossing D: French Valley Creek	180 Bridge Crossing	0.24/ 0.25	Channel dominated by tamarisk (<i>Tamarix</i> sp.), saltgrass (<i>Distichlis spicata</i>), alkali heath (<i>Frankenia salina</i>), bulrush (<i>Scirpus</i> sp.), tobacco tree (<i>Nicotiana glauca</i>); adjacent upland dominated by Russian thistle (<i>Salsola</i> sp.), prickly lettuce (<i>Lactuca serriola</i>), mustard (<i>Brassica campestris</i>), and other weedy species

¹ The bridge span of Crossing C at Warm Springs Creek may result in indirect permanent impacts to CDFG jurisdiction (riparian canopy) from shading by the bridge structure.

13. PERMITS (Continued)

Agency	License/Permit/Agreement
Murrieta Creek and Santa Margarita River	Clean Water Act Section 404 Permit
United States Fish and Wildlife Services	Consistency determination through the County of Riverside Resource Conservation Authority to support Biological Condition in Section 404 permit
California Department of Transportation	Encroachment Permit for impacts to ROW for SR 79
State Water Resources Control Board - San Diego Regional Water Quality Control Board	Elimination System Permit/Storm Water Pollution Prevention Plan Best Management Practices
County of Riverside Resource Conservation Authority	Joint Project Review of Proposed Project and Consistency Determination
City of Murrieta	Encroachment Permit

THIS IS WATERMARKED PAPER. DO NOT ACCEPT WITHOUT NOTING WATERMARK. HOLD TO LIGHT TO VERIFY WATERMARK.



County Vendor Warrant
Clearing Fund

Riverside County Treasurer
of Riverside, California

0500918561

Void 6 Months from Date Issued

Date: 06/05/2006

UNION BANK OF CALIFORNIA

Government Services Division

11-49/1210

Pay Amount: \$4000.00***

Pay *****FOUR THOUSAND AND XX / 100 US DOLLAR*****
To The Order Of

CALIFORNIA DEPARTMENT OF FISH AND GAME
3602 Inland Empire Blvd
Suite C-220
Ontario, CA 91764

County Auditor-Controller

⑈0 500918561⑈ ⑆⑆2⑆000497⑆ 27400.00 3 1 3⑈⑆



U.S. Fish and Wildlife Service
 Carlsbad Fish and Wildlife Office
 6010 Hidden Valley Road
 Carlsbad, California 92011
 (760) 431-9440
 FAX (760) 431-5902 - 9618



California Department of Fish & Game
 Eastern Sierra Inland Deserts Region
 3602 Inland Empire Blvd., Ste C-220
 Ontario, California 91764
 (909) 484-0459
 FAX (909) 481-2945

In Reply Refer To:
 FWS/CDFG-WRIV-4357.2

FEB 02 2007

Laurie Dobson Correa
 County of Riverside Transportation Department
 P.O. Box 1090
 Riverside, California 92502

Subj: Western Riverside County Multiple Species Habitat Conservation Plan Consistency Review for the Clinton Keith Road Extension from Antelope Road to State Route 79 (SR79), Riverside County, California

Dear Ms. Correa:

The U. S. Fish and Wildlife Service (Service) and the California Department of Fish and Game (Department), collectively the "Wildlife Agencies," previously provided comments on the subject project and consistency with the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) in our response to the draft supplemental environmental impact report (February 4, 2005; FWS/CDFG 4357.1) and Joint Project Review (November 4, 2005; FWS/CDFG 4405.57). The following comments are based on information provided in the document titled "Clinton Keith Road Extension Antelope Road to State Route 79: Western Riverside County Multiple Species Habitat Conservation Plan Consistency" revised on August 2006 and on subsequent conversations. We appreciate your extensive coordination with the Wildlife Agencies on this project and your good-faith efforts to modify the project to maintain wildlife connectivity within the MSHCP Conservation Area.

The proposed project includes the widening and extension of the existing Clinton Keith Road between Interstate 215 to SR79. The section between Antelope Road and SR79 will be a new road. On completion, Clinton Keith will be a six-lane road with a median, shoulders, and sidewalks. Other project components include 2 bridges, a wildlife overcrossing, detention basins, and new and improved local access roads and driveways.

Consistency with Cell Criteria

The proposed project is a Covered Activity in the Criteria Area. Impacts from Covered Activities are anticipated within Criteria Cells, but it is important to examine the Cell Criteria to ensure that the amount and location of actual project impacts are consistent with what conservation was estimated and that connectivity between the different cell groups is maintained.

The Clinton Keith Road extension will run east/west through the middle of Proposed Core (PC) 2 and turn south along the eastern boundary of PC 2. The new road will cross Proposed Constrained Linkage (PCL) 18 near the eastern boundary of PC 2 before connecting with SR79. PC 2 provides core habitat to a wide variety of species and is particularly important for the Quino checkerspot butterfly. Because of the large number of Covered Activities in PC 2, it is important to maintain connectivity within the Core and to minimize the effects of Covered Activities on the surrounding environment. PCL 18 is designed to

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 IN AMERICA 

Laurie Dobson Correa (FWS/CDFG-WRIV-4357.2)

2

provide live in and movement habitat for species such as the bobcat and Los Angeles pocket mouse, connecting PC 2 with Proposed Extension of Existing Core 7. Based on our review, we agree that the proposed project is consistent with the Cell Criteria. The location and size of the proposed project are similar to what was anticipated in the MSHCP, and, as described below, adequate provisions appear to be in place to ensure connectivity within PC 2 and between PC 2 and PCL 18.

Connectivity within Conserved Lands and Guidelines for Roads in Criteria Area

The wildlife crossings incorporated into the proposed project appear to be appropriately designed and spaced and consistent with the guidelines provided by the MSHCP. The overpass, 36-inch diameter culverts, and bridge over Warm Springs Creek should maintain connectivity between the northern and southern portions of PC 2. Los Alamos Road is an existing dirt road that runs roughly parallel and south of the future Clinton Keith extension, but contains no bridges or overcrossings. During project development, the Service expressed concern that a high traffic load on Los Alamos could negate the benefits of the bridge and overcrossings on Clinton Keith Road. However, we have been informed that there are no plans to improve Los Alamos and that traffic load on Los Alamos is expected to be light following project completion, so wildlife will be able to cross Los Alamos at grade.

The planned bridge over French Valley Creek should provide connectivity between PC 2 and PCL 18 and accommodate movement of bobcat and Los Angeles pocket mouse, the Planning Species identified for PCL 18. Briggs Road runs just west and parallel to the north/south stretch of Clinton Keith Road. According to the information provided, future improvements to Briggs Road include the construction of six concrete box culverts (six feet high by fourteen feet wide) at French Valley Creek immediately west of the bridge over French Valley Creek. Although we are not currently providing MSHCP consistency review for improvements to Briggs Road, it is worth noting that the MSHCP requires that future improvements to Briggs Road include a "span facility over Warm Springs Creek" (MSHCP p. 7-29) as opposed to concrete box culverts.

Monitoring of Wildlife Undercrossings and Overcrossing

Under the Terms and Conditions of the MSHCP permit, the Monitoring Program Administrator of the Western Riverside County Resource Conservation Agency (RCA) is responsible for monitoring and analyzing the effectiveness of wildlife movement features for target species in coordination with the Resource Agencies. Effective monitoring of the wildlife movement features at this location is essential, as this stretch of road will include first wildlife overcrossing constructed in southern California, and there is much to be learned about the use of the different facilities by wildlife, including the Quino checkerspot butterfly.

Additional Survey Needs and Procedures

The proposed project is within the survey area for burrowing owl and Los Angeles pocket mouse. Focused surveys in 2004 were negative for burrowing owls, burrows, or sign. Focused surveys for Los Angeles pocket mouse pocket in 2003 were also negative, but since the timing of the survey coincided with the general time that hibernation is beginning, the results from this survey are not definitive. In general, the habitat appears to be low quality for Los Angeles pocket mouse because the soils are somewhat compacted, and vegetation was more dense than habitats typically used by this species. Nevertheless, because the previous survey was not definitive, the County has agreed to conduct focused trapping for the Los Angeles pocket mouse in 2007. If the Los Angeles pocket mouse is found in the future surveys, the

Laurie Dobson Correa (FWS/CDFG-WRIV-4357.2)

3

County will work with the Wildlife Agencies to ensure that impacts to potential habitat are avoided or to develop a biologically equivalent or superior preservation alternative for this species if impacts are unavoidable.

Protection of Narrow Endemic Plant Species and Plant Species in the Criteria Area Survey

The proposed project is within the Narrow Endemic Plant Species Survey Area 4 and the Criteria Area Species Survey Area 4, but focused surveys in Spring of 2003 for identified plant species were negative.

Riparian/Riverine and Vernal Pool Policy

Of the riparian/riverine species that require additional surveys, the project area contains potential habitat for only least Bell's vireo and southwestern willow flycatcher. Focused surveys for these species were conducted in 2003 and were negative.

The proposed project will temporarily impact 0.25 acre and permanently impact 0.86 acre (including potential shading effects to 0.30 acre) of riparian/riverine resources, including unvegetated wash, mulefat scrub, willow woodland, and upland vegetation (Riversidean sage scrub and grasslands) along the sides of the smaller tributaries.

Determination of Biologically Equivalent or Superior Preservation (DBESP)

To offset the anticipated impacts to riparian/riverine resources, the County has proposed to fund removal of 3.0 acres of arundo and other non-native invasive aquatic plant species through the Mission Conservation District in-lieu fee program, which operates in the Santa Margarita Watershed and to restore temporarily impacted riparian/riverine habitat in the project footprint. However, at the Wildlife Agencies' request, the County has agreed to work with the RCA and the Wildlife Agencies to identify potential restoration opportunities on recently-acquired MSHCP Reserve lands in the Warm Springs area. Restoration of identified locations in Warm Springs would replace some or all of the restoration committed to through the Mission Conservation District in-lieu fee program. A restoration plan for areas identified in the Warm Springs area will be developed in coordination with the Wildlife Agencies.

The restoration of temporarily impacted habitat in the project footprint will be conducted consistent with a habitat restoration plan submitted to the Wildlife Agencies for review and approval.

In addition, the County will implement the minimization measures and Best Management Practices described in the MSHCP to minimize potential impacts to nesting birds and to riparian/riverine resources.

We agree that with the proposed measures described above, the project is consistent with the MSHCP's riparian/riverine policy. Connectivity along riparian corridors will be maintained, temporary impacts will be restored, and permanent impacts will be offset through habitat restoration at a ratio of over three acres restored for each acre impacted. Although the Department is commenting in terms of the project as it relates to MSHCP, a Streambed Alteration Agreement is still required and appropriate mitigation for stream impacts should be coordinated with the appropriate representative at the Department.

Laurie Dobson Correa (FWS/CDFG-WRIV-4357.2)

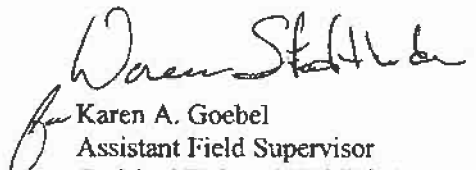
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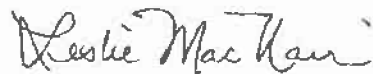
Conclusion

With the commitment to repeat surveys for Los Angeles pocket mouse in 2007 and work with the Wildlife Agencies to ensure that impacts to potential habitat are avoided or to develop a DBESP for this species if impacts are unavoidable, we agree that the proposed project is consistent with the MSHCP. However, please be advised that additional requirements may be necessary under other State and Federal Permits and this finding pertains solely to consistency under the MSHCP.

We appreciate your coordination on this project. If you have any questions regarding this review, please contact Jonathan Snyder of the Service at (760) 431-9440 x307 or Leslie MacNair of the Department at (949) 458-1754.

Sincerely,


Karen A. Goebel
Assistant Field Supervisor
Carlsbad Fish and Wildlife Service


Leslie MacNair
Staff Environmental Scientist
California Department of Fish and Game

cc:

Joe Richards, Western Riverside County Regional Conservation Authority, Riverside, CA
Stephanie Hall, U.S. Army Corps of Engineers, Los Angeles, California
Adam Fischer, Regional Water Quality Control Board, Santa Ana, California
Jeff Brandt, California Department of Fish and Game, Ontario, California
Yvonne Moore, Monitoring Program Administrator, Riverside, California



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Ecological Services
Carlsbad Fish and Wildlife Office
6010 Hidden Valley Road
Carlsbad, California 92011

In Reply Refer To:
FWS-WRIV-4357.3

MAR 6 2007

Colonel Alex Dornstauder
District Engineer
U. S. Army Corps of Engineers
Los Angeles District
Post Office Box 532711
Los Angeles, California 90053-2325

Attn: Laurie Monarres, Regulator Branch (File No. 200602205-LAM)

Subj: Formal Section 7 Consultation for the Clinton Keith Road Extension Project, Riverside County, California (1-6-07-F-4357.3)

Dear Colonel Dornstauder:

This document transmits our biological opinion based on our review of the Clinton Keith Road extension project and its potential effects on the federally threatened coastal California gnatcatcher (*Polioptila californica californica*, "gnatcatcher") and federally endangered Quino checkerspot butterfly (*Euphydryas editha quino*, "Quino") and Stephens' kangaroo rat (*Dipodomys stephensi*, "SKR"), in accordance with section 7 of the Endangered Species Act of 1973 (Act), as amended (16 U.S.C. 1531 et seq.). The project applicant, the County of Riverside (County), proposes to seek authorization for the project-related incidental take of the above-mentioned species through the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) and the Habitat Conservation Plan for the Stephens' Kangaroo Rat in Western Riverside County, California (SKR HCP). We initiated formal consultation on March 2, 2007, the date we received your request.

On June 22, 2004, we issued a section 10(a)(1)(B) permit for the MSHCP. The MSHCP establishes a multiple species conservation program to minimize and mitigate habitat loss and the incidental take of covered species in association with the activities covered under the permit. The proposed project is located within the plan area boundary for the MSHCP. The project also occurs within the plan area boundary of the SKR HCP, dated March 1996. Within this plan area boundary, take of SKR is addressed under the SKR HCP rather than the MSHCP. In order for the applicant to receive incidental take authorization, the proposed action must be consistent with the MSHCP and SKR HCP and the associated implementation agreements and permits.

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This Biological Opinion is based on the following documents: 1) *Intra-Service Formal Section 7 Consultation/Conference for Issuance of Endangered Species Act Section 10(a)(1)(B) Permit TE-088609-0 for the Western Riverside County Multiple Species Habitat Conservation Plan dated June 22, 2004* (FWS-WRIV-870.19); 2) *Intra-Service Section 7 Consultation on Fish and Wildlife Service Issuance of an Incidental Take Permit for the Long-Term Stephens' Kangaroo Rat Habitat Conservation Plan (1-6-96-FW-27)*; 3) *Supplemental Environmental Impact Report 398: Clinton Keith Road Extension Project, Riverside County, California. Prepared for County of Riverside Transportation Department, dated January 2006*; 4) *Clinton Keith Road Extension Western Riverside County Multiple Species Habitat Conservation Plan Consistency. County of Riverside Transportation Department, dated August 2006*; 5) an enclosed letter (FWS/CDFG-WRIV-4357.2, dated February 2, 2007) from the U.S. Fish and Wildlife Service (Service) and California Department of Fish and Game (Department) documenting the consistency of the proposed project with the MSHCP; and 6) other information available in our files. The complete project file addressing this consultation is maintained at the Carlsbad Fish and Wildlife Office.

The proposed project would widen the existing Clinton Keith Road between Antelope Road and Los Alamos Road and extend Clinton Keith Road from Los Alamos Road to SR 79 at Benton Road. The project is about 3.4 miles in total length and runs between the northern boundary of the City of Murrieta and unincorporated Riverside County.

Impacts to Federally Listed Species

Implementation of the proposed project will impact a total of about 130 acres including about 42 acres of Riversidean sage scrub. About 10 pairs of gnatcatchers were observed in the Riversidean sage scrub within and adjacent to the proposed project footprint. In addition, much of the Riversidean sage scrub contains *Plantago erecta* and *Castilleja exserta*, which are host plants for Quino, and a male Quino was observed in the project footprint in 2000. SKR were trapped along the project footprint in annual grassland near the western end of the proposed widening and in Riversidean sage scrub just west of Warm Springs Creek.

MSHCP Criteria Cells and Guidelines for Roads in Criteria Area

As described in the enclosed letter (FWS/CDFG-WRIV-4357.2, dated February 2, 2007), the proposed project is in a location consistent with that identified in the MSHCP and will provide wildlife undercrossings and a wildlife overpass anticipated to maintain connectivity within MSHCP Conserved Lands.

MSHCP Additional Survey Needs and Procedures

Pursuant to the MSHCP, surveys were conducted for burrowing owl (*Athene cunicularia*), rare plants in the Criteria Area Species Survey Area, and plant species identified in the MSHCP as Narrow Endemic Plant Species. Surveys for these species were negative.

Under the MSHCP, focused surveys are also required for Los Angeles pocket mouse (*Perognathus longimembris brevinasus*). These surveys were conducted in 2003 and were negative, but since the timing of the survey coincided with the general time that this species begins to hibernate, the results from this survey are not definitive. Therefore, the County has agreed to conduct focused trapping for the Los Angeles pocket mouse in 2007. If the Los Angeles pocket mouse is found in the future surveys, the County will work with the Service and Department to ensure that impacts to potential habitat are avoided or to develop a biologically equivalent or superior preservation alternative for this species if impacts are unavoidable.

MSHCP Riparian/Riverine Policy

Impacts to riparian/riverine resources as defined in the MSHCP include about 0.86 acre of permanent impact (including shading from the bridge over Warm Springs Creek) and 0.25 acre of temporary impacts to a combination of mulefat scrub, willow woodland, unvegetated wash, and transitional riparian/upland vegetation. Impacts to waters of the United States include about 0.56 acre of permanent impact and 0.25 acre of temporary impact. The impacted watercourses include Warm Springs Creek and some of its tributaries and French Valley Creek. Of the riparian/riverine species that require additional surveys under the MSHCP, the project area contains potential habitat for only least Bell's vireo and southwestern willow flycatcher. Focused surveys for these species conducted in 2003 were negative.

In accordance with the Riparian/Riverine Policy, a Determination of Biologically Equivalent or Superior Preservation (Determination) was prepared to address the impacts to riparian/riverine habitat. The Determination proposes to offset riparian/riverine impacts by funding removal of 3.0 acres of arundo and other non-native invasive aquatic plant species through the Mission Conservation District in-lieu fee program, which operates in the Santa Margarita Watershed and to restore temporarily impacted riparian/riverine habitat in the project footprint. We agree that this approach is consistent with the MSHCP Riparian/Riverine Policy. However, at the request of the Service and the Department, the County agreed to work with these agencies to identify potential restoration opportunities on recently-acquired MSHCP Reserve lands in the Warm Springs area. Restoration of identified locations in Warm Springs could replace some or all of the restoration committed to through the Mission Conservation District in-lieu fee program. In addition, it is our understanding that the Corps is working with the County to identify opportunities for wetland creation to help offset project-associated impacts.

The County will implement minimization measures and Best Management Practices described in the MSHCP to minimize potential impacts to nesting birds and to riparian/riverine resources

Conclusion Based on Consistency with the MSHCP

Based on our review of the information provided to us, we have determined that the proposed project is consistent with relevant MSHCP policies and procedures. The status of the gnatcatcher and Quino and the effects of implementing the MSHCP were previously addressed in our

biological opinion dated June 22, 2004, in which we concluded that the level of anticipated take in the MSHCP Plan Area was not likely to result in jeopardy to these species. We do not anticipate any adverse effects to the gnatcatcher or Quino that were not previously evaluated in the biological opinion for the MSHCP. Therefore, it is our conclusion that implementation of the proposed project will not result in jeopardy to the gnatcatcher or Quino.


Consistency with the SKR HCP

We have also determined that the proposed project is consistent with the SKR HCP and its associated implementing agreement and permit. The status of SKR and effects of implementing the SKR HCP were previously addressed in our biological opinion dated May 2, 1996. In the biological opinion for the SKR HCP, we concluded that the level of anticipated take in the plan area for this HCP was not likely to result in jeopardy to the SKR. Given that the proposed action is consistent with the SKR HCP, we do not anticipate any adverse effects to SKR that were not previously evaluated in the biological opinion for the SKR HCP. Therefore, it is our conclusion that implementation of the proposed project will not result in jeopardy to SKR.

This concludes formal consultation on the proposed action. As provided in 50 CFR 5402.16, reinitiation of formal consultation is required where discretionary Federal agency involvement or control over the action has been retained (or is authorized by law) and if: 1) the amount or extent of incidental take is exceeded; 2) new information reveals effects of the proposed action that may affect listed species or critical habitat in a manner or to an extent not considered in this opinion; 3) the agency action is subsequently modified in a manner that causes an effect to listed species or critical habitat that was not considered in this opinion; or 4) a new species is listed or critical habitat is designated that may be affected by the proposed action. In instances where the amount or extent of incidental take is exceeded, any operations causing such take must cease pending reinitiation.

If you have any questions regarding this biological opinion, please contact Jonathan Snyder of this office at (760) 431-9440, extension 307.

Sincerely,


for Karen A. Goebel
Assistant Field Supervisor

Enclosure

cc:

Laurie Dobson Correa, County of Riverside, Riverside, CA



U.S. Fish and Wildlife Service
Carlsbad Fish and Wildlife Office
6010 Hidden Valley Road
Carlsbad, California 92011
(760) 431-9440
FAX (760) 431-5902 + 9618



California Department of Fish & Game
Eastern Sierra Inland Deserts Region
3602 Inland Empire Blvd., Ste C-220
Ontario, California 91764
(909) 484-0459
FAX (909) 481-2945

In Reply Refer To:
FWS/CDFG-WRIV-4357.2

FEB 02 2007

Laurie Dobson Correa
County of Riverside Transportation Department
P.O. Box 1090
Riverside, California 92502

Subj: Western Riverside County Multiple Species Habitat Conservation Plan Consistency Review for the Clinton Keith Road Extension from Antelope Road to State Route 79 (SR79), Riverside County, California

Dear Ms. Correa:

The U. S. Fish and Wildlife Service (Service) and the California Department of Fish and Game (Department), collectively the "Wildlife Agencies," previously provided comments on the subject project and consistency with the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) in our response to the draft supplemental environmental impact report (February 4, 2005; FWS/CDFG 4357.1) and Joint Project Review (November 4, 2005; FWS/CDFG 4405.57). The following comments are based on information provided in the document titled "Clinton Keith Road Extension Antelope Road to State Route 79: Western Riverside County Multiple Species Habitat Conservation Plan Consistency" revised on August 2006 and on subsequent conversations. We appreciate your extensive coordination with the Wildlife Agencies on this project and your good-faith efforts to modify the project to maintain wildlife connectivity within the MSHCP Conservation Area.

The proposed project includes the widening and extension of the existing Clinton Keith Road between Interstate 215 to SR79. The section between Antelope Road and SR79 will be a new road. On completion, Clinton Keith will be a six-lane road with a median, shoulders, and sidewalks. Other project components include 2 bridges, a wildlife overcrossing, detention basins, and new and improved local access roads and driveways.

Consistency with Cell Criteria

The proposed project is a Covered Activity in the Criteria Area. Impacts from Covered Activities are anticipated within Criteria Cells, but it is important to examine the Cell Criteria to ensure that the amount and location of actual project impacts are consistent with what conservation was estimated and that connectivity between the different cell groups is maintained.

The Clinton Keith Road extension will run east/west through the middle of Proposed Core (PC) 2 and turn south along the eastern boundary of PC 2. The new road will cross Proposed Constrained Linkage (PCL) 18 near the eastern boundary of PC 2 before connecting with SR79. PC 2 provides core habitat to a wide variety of species and is particularly important for the Quino checkerspot butterfly. Because of the large number of Covered Activities in PC 2, it is important to maintain connectivity within the Core and to minimize the effects of Covered Activities on the surrounding environment. PCL 18 is designed to

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provide live in and movement habitat for species such as the bobcat and Los Angeles pocket mouse, connecting PC 2 with Proposed Extension of Existing Core 7. Based on our review, we agree that the proposed project is consistent with the Cell Criteria. The location and size of the proposed project are similar to what was anticipated in the MSHCP, and, as described below, adequate provisions appear to be in place to ensure connectivity within PC 2 and between PC 2 and PCL 18.

Connectivity within Conserved Lands and Guidelines for Roads in Criteria Area

The wildlife crossings incorporated into the proposed project appear to be appropriately designed and spaced and consistent with the guidelines provided by the MSHCP. The overpass, 36-inch diameter culverts, and bridge over Warm Springs Creek should maintain connectivity between the northern and southern portions of PC 2. Los Alamos Road is an existing dirt road that runs roughly parallel and south of the future Clinton Keith extension, but contains no bridges or overcrossings. During project development, the Service expressed concern that a high traffic load on Los Alamos could negate the benefits of the bridge and overcrossings on Clinton Keith Road. However, we have been informed that there are no plans to improve Los Alamos and that traffic load on Los Alamos is expected to be light following project completion, so wildlife will be able to cross Los Alamos at grade.

The planned bridge over French Valley Creek should provide connectivity between PC 2 and PCL 18 and accommodate movement of bobcat and Los Angeles pocket mouse, the Planning Species identified for PCL 18. Briggs Road runs just west and parallel to the north/south stretch of Clinton Keith Road. According to the information provided, future improvements to Briggs Road include the construction of six concrete box culverts (six feet high by fourteen feet wide) at French Valley Creek immediately west of the bridge over French Valley Creek. Although we are not currently providing MSHCP consistency review for improvements to Briggs Road, it is worth noting that the MSHCP requires that future improvements to Briggs Road include a "span facility over Warm Springs Creek" (MSHCP p. 7-29) as opposed to concrete box culverts.

Monitoring of Wildlife Undercrossings and Overcrossing

Under the Terms and Conditions of the MSHCP permit, the Monitoring Program Administrator of the Western Riverside County Resource Conservation Agency (RCA) is responsible for monitoring and analyzing the effectiveness of wildlife movement features for target species in coordination with the Resource Agencies. Effective monitoring of the wildlife movement features at this location is essential, as this stretch of road will include first wildlife overcrossing constructed in southern California; and there is much to be learned about the use of the different facilities by wildlife, including the Quino checkerspot butterfly.

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The proposed project is within the survey area for burrowing owl and Los Angeles pocket mouse. Focused surveys in 2004 were negative for burrowing owls, burrows, or sign. Focused surveys for Los Angeles pocket mouse pocket in 2003 were also negative, but since the timing of the survey coincided with the general time that hibernation is beginning, the results from this survey are not definitive. In general, the habitat appears to be low quality for Los Angeles pocket mouse because the soils are somewhat compacted, and vegetation was more dense than habitats typically used by this species. Nevertheless, because the previous survey was not definitive, the County has agreed to conduct focused trapping for the Los Angeles pocket mouse in 2007. If the Los Angeles pocket mouse is found in the future surveys, the

County will work with the Wildlife Agencies to ensure that impacts to potential habitat are avoided or to develop a biologically equivalent or superior preservation alternative for this species if impacts are unavoidable.

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The proposed project is within the Narrow Endemic Plant Species Survey Area 4 and the Criteria Area Species Survey Area 4, but focused surveys in Spring of 2003 for identified plant species were negative.

Riparian/Riverine and Vernal Pool Policy

Of the riparian/riverine species that require additional surveys, the project area contains potential habitat for only least Bell's vireo and southwestern willow flycatcher. Focused surveys for these species were conducted in 2003 and were negative.

The proposed project will temporarily impact 0.25 acre and permanently impact 0.86 acre (including potential shading effects to 0.30 acre) of riparian/riverine resources, including unvegetated wash, mulefat scrub, willow woodland, and upland vegetation (Riversidean sage scrub and grasslands) along the sides of the smaller tributaries.

Determination of Biologically Equivalent or Superior Preservation (DBESP)

To offset the anticipated impacts to riparian/riverine resources, the County has proposed to fund removal of 3.0 acres of arundo and other non-native invasive aquatic plant species through the Mission Conservation District in-lieu fee program, which operates in the Santa Margarita Watershed and to restore temporarily impacted riparian/riverine habitat in the project footprint. However, at the Wildlife Agencies' request, the County has agreed to work with the RCA and the Wildlife Agencies to identify potential restoration opportunities on recently-acquired MSHCP Reserve lands in the Warm Springs area. Restoration of identified locations in Warm Springs would replace some or all of the restoration committed to through the Mission Conservation District in-lieu fee program. A restoration plan for areas identified in the Warm Springs area will be developed in coordination with the Wildlife Agencies.

The restoration of temporarily impacted habitat in the project footprint will be conducted consistent with a habitat restoration plan submitted to the Wildlife Agencies for review and approval.

In addition, the County will implement the minimization measures and Best Management Practices described in the MSHCP to minimize potential impacts to nesting birds and to riparian/riverine resources.


We agree that with the proposed measures described above, the project is consistent with the MSHCP's riparian/riverine policy. Connectivity along riparian corridors will be maintained, temporary impacts will be restored, and permanent impacts will be offset through habitat restoration at a ratio of over three acres restored for each acre impacted. Although the Department is commenting in terms of the project as it relates to MSHCP, a Streambed Alteration Agreement is still required and appropriate mitigation for stream impacts should be coordinated with the appropriate representative at the Department.


Conclusion

With the commitment to repeat surveys for Los Angeles pocket mouse in 2007 and work with the Wildlife Agencies to ensure that impacts to potential habitat are avoided or to develop a DBESP for this species if impacts are unavoidable, we agree that the proposed project is consistent with the MSHCP. However, please be advised that additional requirements may be necessary under other State and Federal Permits and this finding pertains solely to consistency under the MSHCP.

We appreciate your coordination on this project. If you have any questions regarding this review, please contact Jonathan Snyder of the Service at (760) 431-9440 x307 or Leslie MacNair of the Department at (949) 458-1754.

Sincerely,


for Karen A. Goebel
Assistant Field Supervisor
Carlsbad Fish and Wildlife Service


Leslie MacNair
Staff Environmental Scientist
California Department of Fish and Game

cc:

Joe Richards, Western Riverside County Regional Conservation Authority, Riverside, CA
Stephanie Hall, U.S. Army Corps of Engineers, Los Angeles, California
Adam Fischer, Regional Water Quality Control Board, Santa Ana, California
Jeff Brandt, California Department of Fish and Game, Ontario, California
Yvonne Moore, Monitoring Program Administrator, Riverside, California

Clinton Keith Road Extension Addendum
Response to Comments Received by Area Resident

From: Cecelia Webster [mailto:cecelia.webster@verizon.net]
Sent: Sunday, May 10, 2015 7:14 PM
To: Zambon, Mary
Cc: Perez, Juan; Romo, Patricia; Marcinek, John; Clack, Shellie; Dotty LeMieux
Subject: Clinton Keith Road Extension Project: Addendum to SEIR

Hello Mary.

Thank you for the Proposed Addendum to SEIR 398. One factual error jumped right out as a foundational flaw.

On page 2-109 (Table 3-19 Summary of Roadway Segment Analysis - Existing Conditions), the 3 segments of Los Alamos Road (LAR) are classified as "2 Lane Collector", with a "Maximum Two-Way Capacity" of 13,000. The table "Notes" state that this classification and capacity are based on RC GP Circulation Element, Figure C-3. This is clearly in error.

LAR, from Ruth Ellen Way to Briggs, is not part of the GP circulation element of either the County or the City of Murrieta. And while the County's GP erroneously shows the segment of LAR west of Menifee Road as a Collector (Figure C-1), this segment is within the Murrieta City limit, and the City does NOT - this segment is shown on the City map as "Selected roadways shown for clarity" (see Murrieta GP 2035 Circulation Map, Exhibit 5-10).

The County's GP describes a Collector as "*intended to serve intensive residential land use...*" and that the "*Minimum Right-of-Way Width Required*" is 74 feet, 40 feet of which are paved (Table C-1 and Figure C-3). Nothing could be further from the truth. LAR is in reality a sub-standard rural residential road, with routine flooding problems at its eastern end. My concern is that this factual error, by "up-grading" LAR on paper, serves to down-play the severity of impacts that excessive commuter traffic is causing to safety and to local, rural and recreational users on LAR. The County is

Response 1: Tables E, G, I and K of the 2015 Traffic Update and 3-19, 3-21, 3-23, 3-25, 3-27 of the Addendum have been revised to clarify the General Plan designations and Functional Classifications of the studied segments, including Los Alamos Road.

The County's draft General Plan Amendment currently proposes the Circulation Element modification of Los Alamos Road to be consistent with the City of Murrieta since it is their document that dictates the actual general plan classification, which is none.

Comment
#1

Comment
#2

legally obligated to address these impacts within this project, and their significance has only increased by the phasing of construction, and the issue of traffic flow from Leon to LAR via Briggs (which was NOT addressed in the EIR or SEIR). This amounts to a paradigm shift from the EIR and SEIR, and undercuts the basis for calling an Addendum to the SEIR sufficient under CEQA.

Response 2: See Response 1; Section 2.8.2.4 of Addendum, Study Area, and Section 2.8.2.9, Public and Recreational Safety of Local Road Networks.

Cont.
Comment #2

I hope that we can sort this out prior to the Board of Supervisors meeting. Perhaps we could meet late this week to discuss the document.

Thank you,
Cecelia

Clinton Keith Road Extension Addendum
Response to Comments Received by Area Resident

From: Cecelia Webster [mailto:cecelia.webster@verizon.net]

Sent: Wednesday, May 20, 2015 4:30 PM

To: Vornbaur, Susan

Subject: CKR Addendum

Hi Susan,

Here are some proposed changes and additions. Still working on how to incorporate intent of the first paragraph below... Can we talk tomorrow?

Sorry not to have written sooner. We had 2 sets of triplets in the last 4 days!

Regards,
Cecelia

"The best way to improve safety on Los Alamos Road is to get the traffic off" (Juan Perez).

Response 3: There are no changes in improvements to Porth Road or Menifee Road from what was planned in the SEIR. Porth Road is a graded road and Menifee Road south of Clinton Keith Road is a graded road in both the Supplemental Environmental Impact Report (SEIR) and Addendum.

The intent of the original design (Hybrid Alignment) was to provide an east – west corridor that minimized traffic impacts on the local road network.

The Project remains the same as the Project that was evaluated under the SEIR (see Section 1.4 of Addendum).

Future projects that may or may not impact Clinton Keith Road or the surrounding area must prepare separate, stand-alone environmental clearances which will identify such impact and required mitigation.

Improvements to other roads constructed by separate developments are not part of this Project and the associated Addendum. The Addendum analyzed the changes to the Project pursuant to State CEQA Guidelines 151164.

In compliance with that certain Settlement Agreement dated June 7, 1994, the County processed and approved GPA No. 409 on December 19, 2000 and prepared and certified the associated Final Environmental Impact Report (EIR) in 2000 and SEIR in 2006. The adoption of the Addendum does not identify impacts by the project beyond those already identified in the EIR and SEIR.

Page

1-5 1.4 Basis for SEIR Addendum. Last paragraph: *"The Project remains the same as the Project that was evaluated under the SEIR."*

Not exactly. Sections of Porth and Menifee Roads, between CKR and LAR, to be constructed as part of this project, were graded dirt in the SEIR. The intent of the original design was to minimize traffic impacts on LAR and the local road network, the surrounding rural community, and recreational users on LAR. Now, Porth, at least, is expected to be paved, as a condition of approval of the proposed Grimes business park. Potential future up-grades at Menifee, and potentially LAR, are likely to arise in future. Such reasonably foreseeable modifications to the Project will increase traffic flow onto LAR, unless appropriate additional control traffic measures are added; to protect the surrounding rural community and recreational users on LAR. This situation should be acknowledged in the Addendum. The County made a commitment 23 years ago, in their Settlement Agreement, to consider and mitigate traffic impacts to the surrounding local circulation network, and to recreational uses on LAR in particular. We need the Board of Supervisors to reaffirm this commitment, in writing, in the Addendum to the SEIR and in their Resolution to authorize this next construction phase of CKR.

Comment

#3

Clinton Keith Road Extension Addendum
Response to Comments Received by Area Resident

2-100 Traffic and Transportation

2.8.1 Updated Environmental Setting

Para 1: The purpose of this EIR Addendum is to determine the impacts, if any, to the surrounding roadway network due to phasing of Segments 2 and 4. Construction of Segment 2, Clinton Keith Road from Whitewood Road to Trois Valley Street, will provide a continuous paved route between I-215 and require the return routing to and from State Route 78, via Leon Road and Max Gilliss Boulevard (Clinton Keith Corridor), Leon Road and Max Gilliss Boulevard are both fully built to their ultimate 4-lane cross-section. In addition, until construction of Segment 4, a temporary connection between the Clinton Keith Corridor and Los Alamos Road, via Briggs Road (Appendix E, Figure 2), will persist, allowing a high traffic volume on this narrow rural residential road.

Response 4: See Response 6.

Comment
#4

2-108 Tables 3-19, 3-21, 3-23, 3-25, 3-27

Change "Roadway Classification" of all segments of LAR to "Undesignated". Add "not a General Plan roadway" in foot notes. Forget Maximum Capacity, LOS (unless there actually are standards for rural residential?).

Response 5: See Response 1.

Comment
#5

On 3-27, Max Gillis is "2-lane".

2-119 Add. 2.8.2.9 Public and Recreational Safety of Local Road Networks. The temporary intersection at Leon Road and Briggs Road, a configuration which was not anticipated in the EIR or SEIR, will allow Project traffic to access Los Alamos Road until Segment 4 is built (Appendix E, Figure 2). This narrow, 2-lane rural residential road, without shoulders or sidewalks, is heavily used by bicyclists and pedestrians. There is an existing potential for conflicts between rural/agricultural/recreational users and commuter traffic. Access to Los Alamos Road from Clinton Keith Road will therefore be restricted, by limiting the Leon/Briggs intersection to right-in right-out only turns. The 4-lane design option for Phase 1 of Segment 2 will provide the greatest reduction of traffic on Los Alamos Road. As all Project scenarios substantially decrease traffic impacts relative to existing conditions, and the County will continue to monitor traffic volume and institute additional traffic controls as needed, impacts remain less than significant.

Appendix A Mitigation Monitoring and Reporting

**Comment
#6**

Response 6: A new sub-section has been added to Section 2.8 of the Addendum as follows, to clarify the existing condition of Los Alamos Road and the expected reduction in traffic volumes on Los Alamos Road with implementation of the Clinton Keith Road construction. Briggs Road and the Briggs Road/Leon Road intersection have been analyzed in the Addendum and are addressed in more detail below.

2.8.2.9 The intersection at Leon Road and Briggs Road is a configuration which was created by local development and will allow for limited access to Los Alamos Road until Segment 4 is built (Appendix E, Figure 2). Such local development was built separately from the Project and was analyzed by its own environmental documents. Los Alamos is a narrow, 2-lane rural road without sidewalks, which is used by bicyclists, pedestrians and commuter traffic. There is an existing potential for conflicts between rural/agricultural/recreational users and commuter traffic. Access to Los Alamos Road from Clinton Keith Road will be restricted, by limiting the Leon/Briggs intersection to right-in right-out only turns. In accordance with the SEIR, access to Briggs Road north of Los Alamos Road will be closed when Clinton Keith Road between Leon Road and SR 79 is constructed. The 4-lane design option for Phase 1 of Segment 2 will provide the greatest reduction of traffic on Los Alamos Road. As all Project scenarios substantially decrease traffic impacts and reduce the potential for conflicts relative to existing conditions, and the County will continue to monitor traffic volume and institute additional traffic controls as needed, impacts remain less than significant.

In addition, the 2015 Traffic Update, Study Area section, has been updated to include a discussion consistent with the above Addendum section.

Transportation/Traffic

Monitor traffic on LAR. Take appropriate additional traffic control measures to ensure that unsafe traffic volumes are not routed onto rural residential roads, which have significant recreational traffic. Can we try to limit traffic to 2x local (4,000 ADT)?

**Comment
#7**

Response 7: As noted in Response 5, traffic volumes on Los Alamos Road are substantially decreased with implementation of the Clinton Keith Road Project. The County has implemented several measures to address concerns over the past several years. Attached is a list of actions taken, which was provided to you at the October 30, 2014 meeting with the County Traffic Engineer, Lawrence Tai. Several traffic counts were taken as part of the 2015 Traffic Update for the Addendum including counts on Los Alamos Road at 3 locations. The County will continue to monitor traffic volumes along Los Alamos Road on a periodic basis and address traffic control needs as appropriate through the Traffic Engineering Service Request program. As shown in the Traffic Update we are anticipating volumes to be in the 4,000 to 6,300 range on Los Alamos in 2018 with the construction of Clinton Keith segment 2 with either 2 or 4 lane alternative, which is a significant reduction.

Air Quality

AQ-1 Ensure LAR is not utilized as a "haul road".

**Comment
#8**

Response 8: Project construction traffic and heavy trucks and equipment are not allowed on Los Alamos Road; this requirement is included in the specifications for the Project.

**Comment
#9**

General typos:

Spelling of Max Gillis Road varies throughout. It should be 1 s. The street signs are wrong, but Google maps and the Murrieta GP spell it right.

Page 1-9 para 2, the wildlife overcrossing is east (not west) of Warm Springs Creek.

Response 9: The spelling of Max Gilliss Road is correct as displayed on the street name signs at the intersection. This has been corrected throughout the Addendum and Traffic Update.

Page 1-9 para 2 has been corrected as noted.

From: Cecelia Webster [mailto:cecelia.webster@verizon.net]
Sent: Thursday, May 21, 2015 11:13 AM
To: Vombaur, Susan
Subject: Re: CKR Addendum

Hi Susan,

Any time early afternoon works for me. Around 2? Let me know.
What is your time frame for finalizing the document?

What's needed is a clear statement of existing conditions that includes:

Numerous housing projects, conditioned on and dependent upon construction of CKR, have moved forward since the 2006 SEIR, and are now generating substantial traffic.

This traffic is using LAR, in the absence of CKR.

LAR is unsuitable and *unsafe* for this purpose, for many reasons:

Narrow (22' wide), no shoulder, no sidewalk, horizontal and vertical curves and multiple access points.

Rural and agricultural traffic, non-vehicular recreational traffic, and pedestrian traffic uses all conflict with commuter use.

LAR is not an all-weather road: it routinely floods just west of Briggs Road, and there's no place to turn around when you get there and the road's closed. The flooding is both worse and more frequent, as a result of new development up-stream.

Each new building permit approval exacerbates these problems, making getting the traffic off LAR, ASAP, a serious public safety concern.

There is also the issue of timing for phasing in the right-in right-out only turns at Leon and Briggs. The sooner this happens the better.

Cecelia

Response 10: The 2015 Traffic Update acknowledges the recent area growth and identifies the improvement to volumes on Los Alamos Road with the project construction as discussed in response 6 above. The timing of the permanent closure of Briggs at Leon is dependent on timing of segment 4.

Clinton Keith Road Extension Addendum
Response to Comments Received by Area Resident

**List of Actions along Los Alamos Road referenced in
Response 7.**

IMPROVEMENTS MADE ON LOS ALAMOS ROAD FROM 1/1/2010 TO PRESENT

- 9/03/2009 - Chip Sealed dirt surface on Los Alamos Road.
- 8/11/2010
- 10/26/2010 - Installed yellow centerline and white edge lines on Los Alamos Road. RRPMS were also installed.
- 05/16/2011 - Installed 40 mph speed limit signs on Los Alamos Road.
- 3/29/2011 - Rip-Rap at east end of Los Alamos Road.
- 01/28/2013 - Dennis Acuna conducted field review with Ms. Webster.
 - Reviewed concerns related to the Edison Property located on Liberty Road. She had issues with Edison storing equipment on-site. Based on field review and discussions with Stan Dery, no action taken.
 - Reviewed concerns related to the existing roadway alignment – given the current road ROW, no alignment changes is feasible at the time.
 - Reviewed concerns related to her driveway. Based on existing field conditions, No action taken.
- 03/21/2013 - Installed various curve warning signs on Los Alamos Road based on field review with Ms. Webster.
- 01/07/2014 - Received email from Ms. Webster.
 - Requested the review existing 40 mph speed limit on Los Alamos Road. (40 mph speed limit was approved in 2011).
 - Requested the installation of flooding warning signs on Los Alamos Road, west of Briggs Road.
- 03/31/2014 - "Subject to Flooding" warning signs installed on Los Alamos Road, west of Briggs Road.
- 04/01/2014 - Storm debris removal.
- 04/29/2014 - Conducted new speed surveys on Los Alamos Road; new speed limit of 35 mph was approved by the BOS.
- 05/21/2014 - New 35 mph speed limit signs installed on Los Alamos Road.

Additional items that will be installed on Los Alamos Road in the next two to three months:

- 1) Repaint yellow centerline and white edge lines on Los Alamos Road.
- 2) Replace RRPMS along yellow centerline.
- 3) Install delineators along centerline for the "S" curve approx. 2000 feet west of Briggs Road.
- 4) Install rumble strip on Los Alamos Road in advance of the "S" curve referenced in (3) above in each direction.
- 5) Coordinate with City of Murrieta to restrict weight limit of trucks over 7 tons on Los Alamos Road.
- 6) Continue to provide maintenance for the pavement and drainage facilities as needed on Los Alamos Road.