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RIVERSIDE COUNTY FLOOD CONTROL  
AND WATER CONSERVATION DISTRICT

July 3, 2008

RECEIVED  
JUL 07 2008  
RBF Consulting

Mr. Kip Field  
Assistant Public Works Director  
City of Corona  
Post Office Box 940  
Corona, CA 92878-0940

Dear Mr. Field:

Re: Mabey Canyon Debris Basin  
Proposed Foothill Parkway Crossing  
Alternatives #2 and #3

Thank you for meeting with us on June 24, 2008 and for providing us the opportunity to review and comment on the referenced conceptual alternatives for the proposed Foothill Parkway roadway extension. The road will displace debris storage at the upstream face of the Mabey Canyon Debris Dam. We understand that these alternatives aim to preserve the debris capture, and storage capacity and functioning of the existing debris basin after the road crossing is constructed over the dam embankment. After review of the alternatives, it is our opinion that Alternative #2, which preserves the bottom elevation of the existing dam, is preferred over Alternative #3 for a number of reasons relating to safety and liability. We find Alternative #3 unacceptable for the following reasons:

- The proposed basin grading would result in deeper cuts at the upstream end of the reservoir, a concern expressed in our October 10, 2006 letter to RBF Consulting. Cuts of this magnitude will likely result in severe headcutting upstream onto private properties.
- We believe that the bore and jack methods proposed for Alternate #3 to install a new low flow outlet has a strong potential to destabilize the existing dam core as well as to create a possible seepage path along the new pipe, compromising the stability of the dam.

In addition, for maintenance purposes we prefer the larger basin bottom area afforded by Alternative #2. This allows for thinner deposition layers and for more maneuvering area in order to manage the piling, drying and loading of sediment and debris accumulating in the basin after storm events.

As stated in our October 10, 2006 letter, subsequent to our approval of your conceptual plan, a cooperative agreement specifying the roles and responsibilities of the City of Corona and District for the project will be prepared by District staff. A special account will be established to accurately track agreement preparation, plan check and construction inspection costs.

July 3, 2008

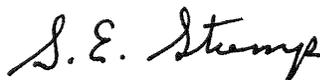
Mr. Kip Field  
City of Corona

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Re: Mabey Canyon Debris Basin  
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Alternatives #2 and #3

We look forward to working with you on this project. Should you have any questions regarding this matter, please feel free to contact me at 951.955.1280.

Very truly yours,



STEPHEN E. STUMP  
Chief of Operations and  
Maintenance Division

c: City of Corona  
Attn: Clint Herrera, Senior Civil Engineer  
RBF Consulting, Irvine Office  
Attn: Trisha C. Keith, PE  
Steve Thomas  
Robert Cullen  
Tom Rheiner

SES:rlp