

CITY OF LAKE FOREST



M60050.002423
MCAS EL TORO
SSIC #5090.3

Mayor
Kathryn McCullough

Mayor Pro Tem
Helen Wilson

Council Members
Richard T. Dixon
Peter Herzog
Marcia Rudolph

City Manager
Robert C. Dunek

April 2, 2001

Mr. Dean Gould
Base Realignment and Closure
Environmental Coordinator
Department of the Navy
Southwest Division
Naval Facilities Engineering Command
1220 Pacific Highway
San Diego, CA 92132-5190

Via Facsimile and
U.S. Mail

Re: Comments on 30% design Submitted for the Remedial Action Work Plan for
Landfill Site 2 at the former Marine Corps Air Station (MCAS) El Toro

Dear Mr. Gould:

Thank you for this opportunity to comment on the 30% design submitted for the above referenced subject. We would like to compliment you, your staff, and Earth Tech, Inc. on the thoroughness of the 30% design. Our comments are as follows:

- As discussed at the Feb. 22, 2001 meeting hosted by BRAC, we agree with the County of Orange that protection of the next bank of Borrego Canyon Wash (Orange County Flood Control District Facility, OCFCO, Facility F20) adjacent to Landfill Site 2, is most important. The Navy's design of the Remedial Action should account for the worst-case condition for OCFCO Facility F20 which occurs with future planned development upstream of Landfill Site 2, and with the construction of the proposed Alton Parkway extension. Development upstream will result in less sediment transported down OCFCO Facility 20 and has the effect of lowering the channel bottom. There is the possibility in the future that the proposed riprap could be undermined if the channel bottom is lowered. The construction of Alton Parkway will result in the narrowing of OCFCO Facility F20 along Landfill Site 2. This will increase the flow velocity in OCFCO Facility F20 during the 100 year storm event and could result in the failure of the riprap as proposed by the Navy in the current design scheme.
- As a way of controlling the increased flow velocity in OCFCO Facility F20, the Navy should consider alternatives to control the velocity. The City of Lake Forest has

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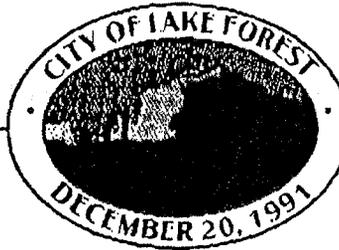
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constructed energy dissipators in other streambeds, in the form of drop structures and weirs. The resultant pool and riffle system is an aesthetically pleasing effect. The energy dissipators should be as natural as possible using ungrouted instead of grouted rock.

- Vegetative restoration should also be examined with the possible use of erosive resistant stream bank planting as a method of reducing flow velocity.

Thank you again for allowing us to comment on the 30% design submitted. We look forward to the next meeting which is scheduled for July 12, 2001. As previously offered, we would be happy to host the meeting here at Lake Forest City Hall. Our offices are conveniently located adjacent to the Interstate 5 freeway, a few miles south of the former air station.

If you have any questions or require any clarification, please call me at (949) 461-3480.

Very truly yours,
CITY OF LAKE FOREST

Robert L. Woodings, P.E.
Director of Public Works/ City Engineer

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