

# Hydrology/Hydraulics Study & Basins Design

## Proposed Quarry Near Big Rock Wash, County of Los Angeles, CA

### Client

Lilburn Corporation  
 1905 Business Center  
 Drive  
 San Bernardino, CA  
 92408

### Project Location

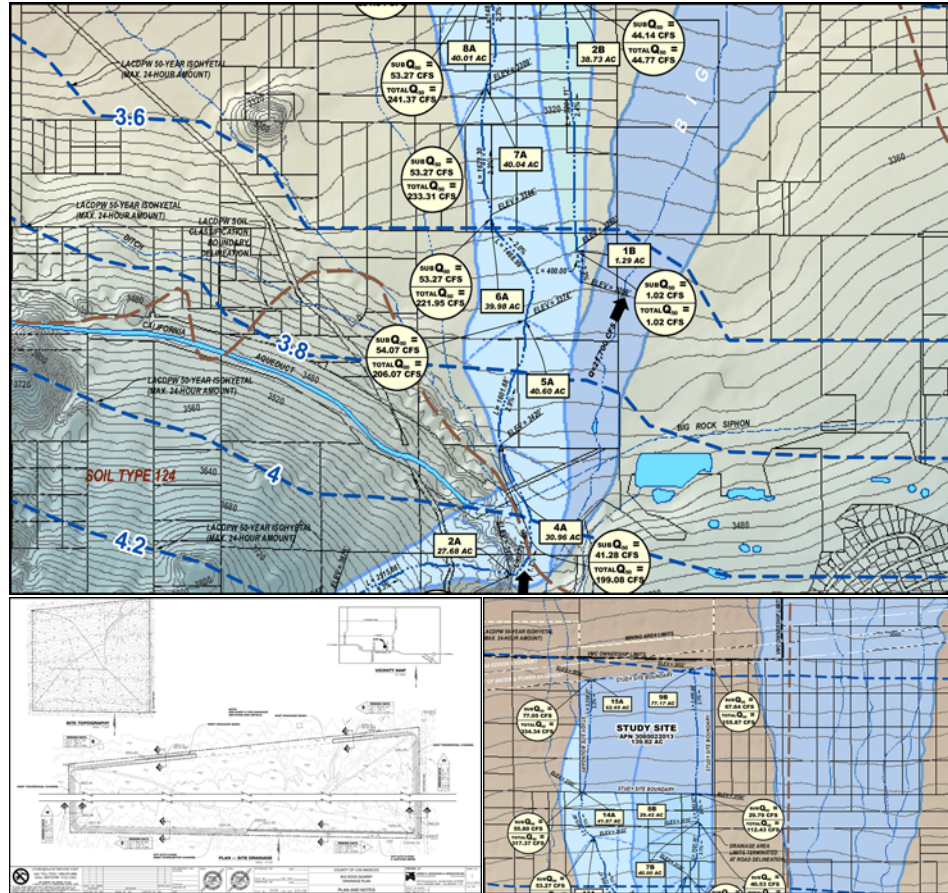
Los Angeles County, CA

### Contact

Cheryl A. Tubbs  
 Vice President of  
 Operations  
 909 / 890-1818

### Project Date

2006-2007



JBA prepared a Hydrology & Hydraulics Study for a proposed quarry near the Big Rock Wash and Pearblossom Highway in Los Angeles County, CA. The Study had to consider several factors, including the Big Rock Wash itself, existing levees, and proposed California Department of Transportation (CalTrans) improvements.

JBA performed all applicable Rational Hydrology Method calculations using its in-house LAR04 (F0608) L.A. County Modified Rational Method software application. These calculations were subsequently used in the design of mitigation measures, including multiple flood control basins to be located near the boundary lines of the project site.

### Key Project Staff

Manuel A. Delgado, P.E. – *Project Manager*  
 Mike N. Khairy, E.I.T. – *Project Engineer*  
 Jesse D. Nash – *G.I.S. Analyst*

