Master Plan Hydrology Study & Drainage Analysis
Arbor Ridge Master Plan Development, City of Beaumont, CA

Client
Proactive Engineering Consultants
1875 California Avenue
Corona, CA  92881

Project Location
Beaumont, CA

Contact
Bob Brown, P.E.
951 / 280-3303

Project Date
2007

JBA prepared the Hydrology Study & Drainage Analysis for the 180-acre Arbor Ridge Master Plan Development near the City of Beaumont in Riverside County, CA. The completed 150-page Report included all existing and developed Rational Method and Unit Hydrograph calculations, flood control basin hydrograph routing, preliminary hydraulics calculations, preliminary design and layout of the storm drain system for the entire Master Plan Development, and 50+ GIS-based hydrology/hydraulics exhibits. All calculations were performed using JBA’s in-house CivilDesign® software.

Key Project Staff
Manuel A. Delgado, P.E. –  Project Manager
Joseph S.C. Bonadiman, P.E. –  Quality Control/Project Oversight
Mike N. Khairy, E.I.T. –  Project Engineer
Jesse D. Nash –  G.I.S. Analyst
Water Quality Management Master Plan
Arbor Ridge Master Plan Development, City of Beaumont, CA

Client

SunCal Companies
1250 Corona Pointe Court, #210
Corona, CA 92879

Project Location

Beaumont, CA

Contact

Bob Brown, P.E.
951 / 271-3800

Project Date

2007

JBA prepared the Water Quality Management Master Plan for the 180-acre Arbor Ridge Master Plan Development near the City of Beaumont in Riverside County, CA. The completed Plan included detailed Best Management Practices (BMP) design, implementation and O&M specifications, hydrology/hydraulics calculations for stormwater mitigation/treatment measures, and GIS-based reference maps and BMP exhibits. All calculations were performed using JBA’s in-house CivilDesign® software.

Key Project Staff

Manuel A. Delgado, P.E. – Project Manager
Joseph S.C. Bonadiman, P.E. – Quality Control/Project Oversight
Mike N. Khairy, E.I.T. – Project Engineer
Jesse D. Nash – G.I.S. Analyst
Special Event Conceptual GIS & Draft Operations Plan
Glen Helen Regional Park, San Bernardino County, CA

Client
Deployed Resources, LLC
P.O. Box 669
Scotch Plains, NJ 07076

Project Location
San Bernardino County, CA

Contact
Michael Frisch
908 / 889-6226

Project Date
2005-2006

JBA prepared a conceptual GIS and draft Operations Plan for a proposed five-day technology, education, arts and music expo at Glen Helen Regional Park in San Bernardino County, CA. The conceptual GIS was utilized to produce various and preliminary improvement plans for both Glen Helen Regional Park and the Hyundai Pavilion. JBA also provided Civil Engineering consulting services throughout the project.

Key Project Staff
Edward J. Bonadiman, P.L.S. – Project Manager
Joseph S.C. Bonadiman, P.E. – Quality Control/Project Oversight
Jesse D. Nash – G.I.S. Analyst
Geologic GIS for Development Feasibility Report  
Greenspot, San Bernardino County, CA

Client  
Hilltop Geotechnical, Inc.  
786 South Gifford Avenue  
San Bernardino, CA  
92408

Project Location  
San Bernardino County, CA

Contact  
Mark Hulett, C.E.G.  
President  
909 / 890-9079

Project Date  
2007

As subconsultant to Hilltop Geotechnical, Inc., JBA assembled the Geologic Geographic Information System (GIS) for the Development Feasibility Report prepared by The Planning Center for the area known as “Greenspot” in San Bernardino County, CA. This GIS was subsequently used by JBA to prepare a series of thematic exhibits that were included in the final Feasibility Report.

Key Project Staff  
Joseph S.C. Bonadiman, P.E. – Quality Control/Project Oversight  
Jesse D. Nash – G.I.S. Analyst
Development Master Plan & Environmental Assessment
Hunter’s Ridge Master Planned Community, City of Fontana, CA

Client
Coussoulis Realty
341 West 2nd Street
San Bernardino, CA 92401

Project Location
Fontana, CA

Contact
Nick Coussoulis
909 / 381-0868

Project Date
1988

JBA prepared the Master Plan, San Bernardino County General Plan Amendment, and Environmental Assessment for the 520-acre Hunter’s Ridge Residential Development north of Fontana in San Bernardino County, CA. The completed Hunter’s Ridge Master Planned Community includes 1,200+ homes, two parks, an elementary school, and various recreational facilities and other amenities.

Key Project Staff
Joseph S.C. Bonadiman, P.E. – Principle Engineer
Master District GIS
Lake Arrowhead Community Services District (LACSD), Lake Arrowhead, CA

Client
Lake Arrowhead Community Services District (LACSD)
28200 State Highway 189, Bldg. 3, Ste. 150
Lake Arrowhead, CA 92352

Project Location
Lake Arrowhead, CA

Contact
Ryan Gross, P.E.
District Engineer
909 / 336-7137

Project Date
2005-Present

JBA prepared the Master GIS for the Lake Arrowhead Community Services District (LACSD) in Lake Arrowhead, CA. This effort included coordinating between LACSD’s Engineering, Finance, Operations, and Maintenance departments to gather existing customer, billing, maintenance/repair, survey, water consumption, and water/wastewater infrastructure asset data for assembly into multiple geodatabases to produce presentation materials to the LACSD Board of Directors, aid in Capital Improvement Program decision making, and construct a Water/Wastewater Demand Model (prepared by CH2M-Hill) to prepare for future population growth.

Key Project Staff
Edward J. Bonadiman – Project Manager
Joseph S.C. Bonadiman, P.E. – Quality Control/Project Oversight
Jesse D. Nash – G.I.S. Analyst
Master District GIS
Lake Arrowhead Community Services District (LACSD), Lake Arrowhead, CA
Water Quality Management Master Plan
Rancho Los Lagos Master Plan Community, Imperial County, CA

Client
Moser Ventures, Inc.
1012 2nd Street, Suite 100
Encinitas, CA 92024

Project Location
Imperial County, CA

Contact
Dennis Moser
President
760 / 479-1820

Project Date
2007

JBA prepared the Water Quality Management Master Plan for the 1,076-acre Rancho Los Lagos Mixed-Use Master Plan Development near in Imperial County, CA. The completed Plan included detailed Best Management Practices (BMP) design, implementation and O&M specifications, hydrology/hydraulics calculations for stormwater mitigation/treatment measures, and GIS-based reference maps and BMP exhibits. All calculations were performed using JBA’s in-house CivilDesign® software.

Key Project Staff
Manuel A. Delgado, P.E. – Project Manager
Joseph S.C. Bonadiman, P.E. – Quality Control/Project Oversight
Mike N. Khairy, E.I.T. – Project Engineer
Jesse D. Nash – G.I.S. Analyst
JBA was retained as Project Engineer and Consultant in the preparation of the Draft Environmental Impact Report (EIR) for the 1,700-acre Riverside International Motorplex development, which included commercial, industrial, residential, and recreational elements. Services provided by JBA in the preparation of the EIR included preliminary potable water system design, wastewater and reclaimed water design, 3D surfaces of the conceptual mass grading of the entire project site, and ongoing consultation throughout the preparation of the Report.

Key Project Staff

Joseph S.C. Bonadiman, P.E. – Principle Engineer
Environmental Impact Report (EIR)
Sunrise Ranch Development, San Bernardino County, CA

Client
Sunrise Ranch, Ltd.
One West State Street
Redlands, CA 92373

Project Location
San Bernardino County,
CA

Project Date
1976

JBA prepared the original Environmental Impact Report (EIR) for the proposed 2,000-acre Sunrise Ranch Development (“Greenspot”) near the Seven Oaks Dam in San Bernardino County, CA. The 150+ page report was one of the first of its kind ever submitted to the County of San Bernardino, and included the Proposed Development Plan of the 307-lot Tentative Tract Map No. 9209. JBA Company Founder Joseph E. Bonadiman, P.E. was the Principle Engineer for the Report.

Key Project Staff
Joseph E. Bonadiman, P.E. – Principle Engineer
Joseph S.C. Bonadiman, P.E. – Project Engineer
Preliminary Hydrology Study
Victorville Annexation Area, City of Victorville, CA

Client
A.W. Properties West
16236 San Dieguito Road
Suite 3-10
Rancho Santa Fe, CA
92067

Project Location
Victorville, CA

Contact
Earl Sterrett
President
858 / 756-7584

Project Date
2007

JBA prepared the Preliminary Hydrology Study for 2,300 acres of the planned Annexation Area of the City of Victorville, CA. The completed Study included all existing and developed hydrology calculations for the Annexation Area, which lies adjacent to the Master Drainage Plan completed by JBA and is to include numerous future residential developments. All calculations were performed using JBA’s in-house CivilDesign® software.

Key Project Staff
Manuel A. Delgado, P.E. – Project Manager
Joseph S.C. Bonadiman, P.E. – Quality Control/Project Oversight
Mike N. Khairy, E.I.T. – Project Engineer
Jesse D. Nash – G.I.S. Analyst
Drainage Master Plan
Victor Valley Developers Association (VVDA), City of Victorville, CA

Client
Stantec/VVDA
3105 East Guasti Road,
Suite 100
Ontario, CA 91761

Project Location
Victorville, CA

Contact
Ned Araujo, P.E.
909 / 390-8880

Project Date
2006-2007

JBA prepared the Drainage Master Plan for 5,100 acres of the Victor Valley Developers Association (VVDA) multi-tract development area in the City of Victorville, CA. The completed Plan included all existing and developed hydrology calculations, flood control basin hydrograph routing, preliminary hydraulics calculations, preliminary design and layout of the primary storm drain system for the entire area, and 30+ GIS based hydrology/hydraulics exhibits. All calculations were performed using JBA’s in-house CivilDesign® software.

Key Project Staff
Manuel A. Delgado, P.E. – Project Manager
Joseph S.C. Bonadiman, P.E. – Quality Control/Project Oversight
Mike N. Khairy, E.I.T. – Project Engineer
Jesse D. Nash – G.I.S. Analyst
Master Coordination G.I.S.
Victor Valley Developers Association (VVDA), City of Victorville, CA

Client
Stantec/VVDA
3105 East Guasti Road,
Suite 100
Ontario, CA 91761

Project Location
Victorville, CA

Contact
Ned Araujo, P.E.
909 / 390-8880

Project Date
2005-Present

As subconsultant to Stantec, JBA prepared the Master Coordination GIS for the Victor Valley Developers Association (VVDA) multi-tract development area in the City of Victorville, CA. This effort included coordinating between the various members of the VVDA to assemble existing survey data, improvement plans, existing and future easements, dedications and other entitlements, and available spatial data into a centralized GIS that has been used for planning, coordination, public relations, tracking, finance, and the Drainage Master Plan also prepared by JBA.

Key Project Staff
Edward J. Bonadiman – Project Manager
Joseph S.C. Bonadiman, P.E. – Quality Control/Project Oversight
Jesse D. Nash – G.I.S. Analyst
Master Coordination G.I.S.
Victor Valley Developers Association (VVDA), City of Victorville, CA