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ENGINEERING

About Us



ENGINEERING

BRITTANY N. BAIR, P.E.

Over 15 years of experience in the construction field in grading, paving and underground utilities and 7 years of experience designing large scale commercial/residential/mixed use projects, most requiring an element of advanced stormwater analysis engineering.



FABIOLA BAIR

Construction management, specializing in design build projects with a focus in large scale commercial State projects, healthcare, and aviation. Engineering design projects since 2014.

About Us

B2 Engineering became an idea.

2016

Nov. 2018

Jun. 2022

B2 Engineering, Inc. was incorporated.

B2 Engineering, Inc. becomes a certified California Small Business and prepares to expand into new industry sectors.



Our Services

- Preliminary and Final Engineering
- Plan, Specifications & Estimates
- Plan Check & Constructability Review
- Floodplain Mapping and Revisions
- Stormwater Quality Management Plans
- Site Drainage Due-Diligence and Feasibility
- Construction Support Services



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Aging Infrastructure

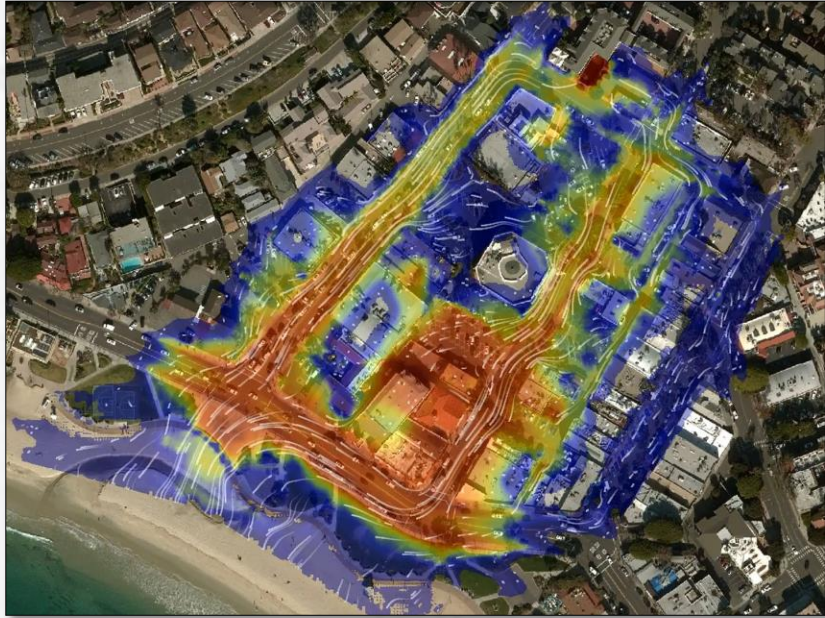
- 2019 California Report Card by ASCE "C-"
- California's population expected to grow by 25% over the next 20 years
- Existing infrastructure was designed prior to advanced modeling and 3-Dimensional software
- Great resignation has historically low staffing
- Longer and earlier fire seasons couple with droughts



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Aging Infrastructure *Needs New Solutions*

- Low-impact solutions to the communities
- Improved communication between team members
- Advanced Modeling techniques
- Specialized contractors and products



LAGUNA BEACH PROJECT

Challenges

- Failing culvert under existing structures
- Not feasible to reroute in new storm system

Solutions

- Advanced 2D Modeling
- Improve efficiency of existing culvert



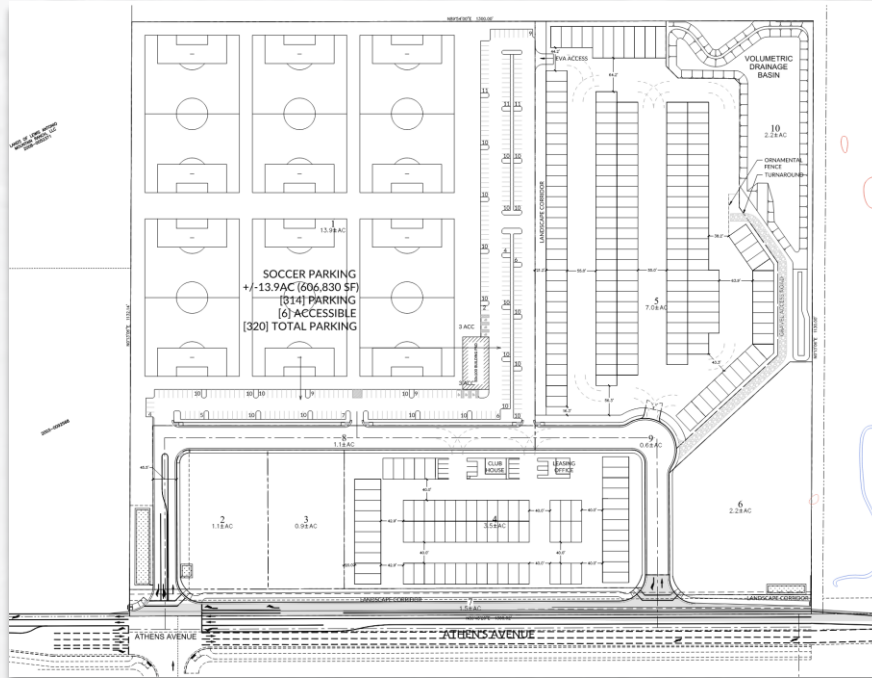
METRO AIR PARK

Challenges

- Former Agricultural Land
- Lack of Natural Grade
- Existing Infrastructure - Pump

Solutions

- Advanced 2D Modeling
- Underground Utility Sizing



ATHENS 33

Challenges

- Flood Control mapping required
- No local sewer solution
- Wetland and riparian habitat

Solutions

- Advanced 2D Modeling
- Underground Forcemain Design



Developer



Developer/Builder



Developer



Client



General Contractor



Client



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Where are we heading?

- Certifications
 - Small Business (SBE) Certification - State of California



- Pending Certifications
 - California Public Utilities Commission (CPUC) Certification
 - Women's Business National Council (WBENC) Certification
 - LGBT- Owned Business - National LGBT Chamber of Commerce (NGLCC)
- Future Procurement
 - Public Work
 - State Work
 - Public Utilities
 - Private work across diverse industry sectors

In Closing



THANK YOU



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