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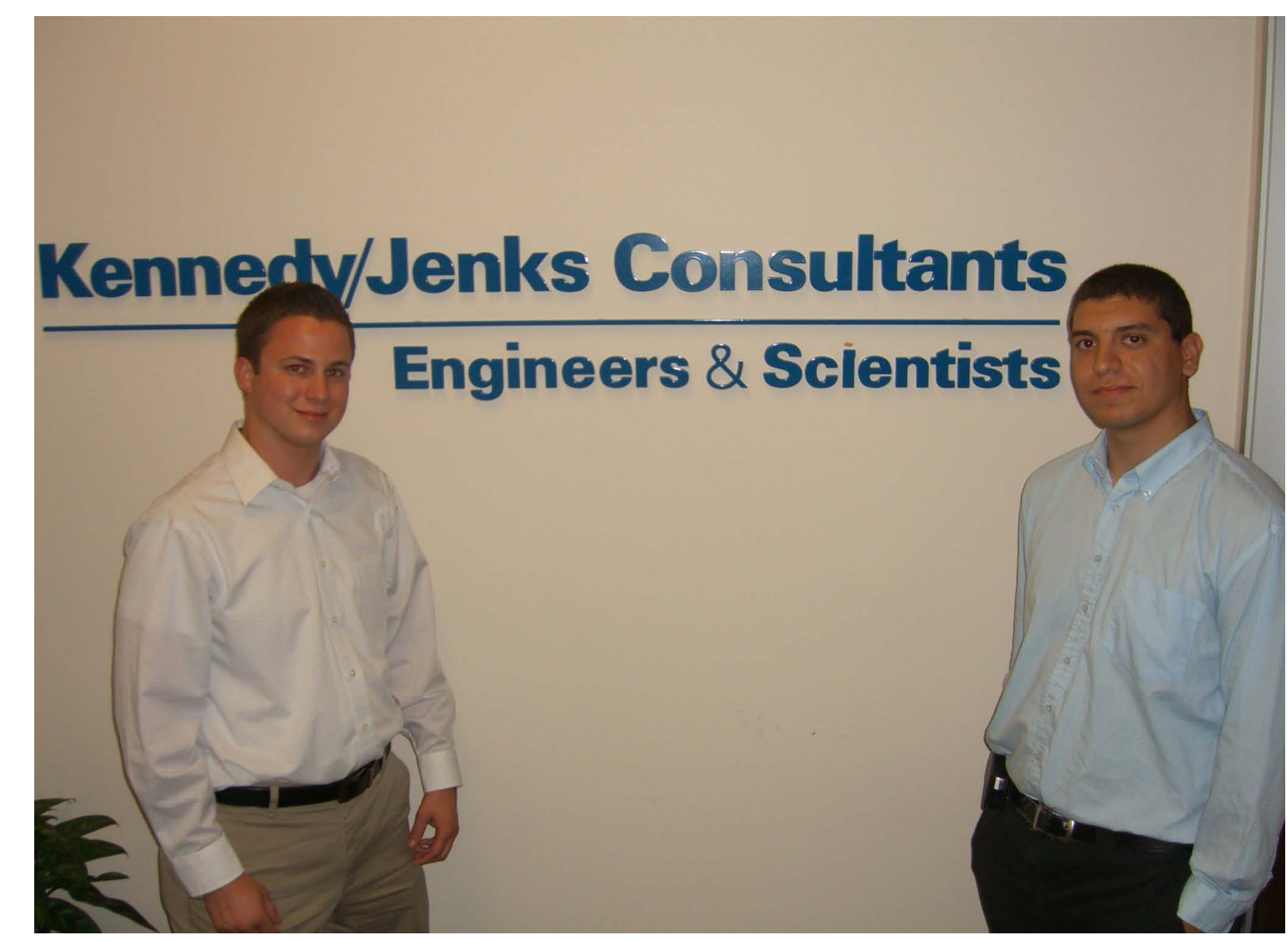
Introduction

With over 90 years of engineering practice, Kennedy/Jenks Consultants has earned a reputation as one of the most respected and experienced firms in the United States. Kennedy/Jenks is an award-winning full service civil and environmental engineering firm, providing a full range of environmental planning and science and engineering capabilities to public and private clients.

Through innovative applications of new and proven technologies and persistent participation in the drafting of regulations, Kennedy/Jenks has established their role as a key player in water and wastewater consulting.

Additionally, Kennedy/Jenks Consultants also offers a wide variety of engineering services that includes (but is not limited to):

- The Water Environment
 - Water, Wastewater/Watersheds, Recycled Water
- Transportation
 - Airports, Railroads, Maritime Ports
- Industry
 - Food & Beverage, Aerospace Manufacturing, Redevelopment

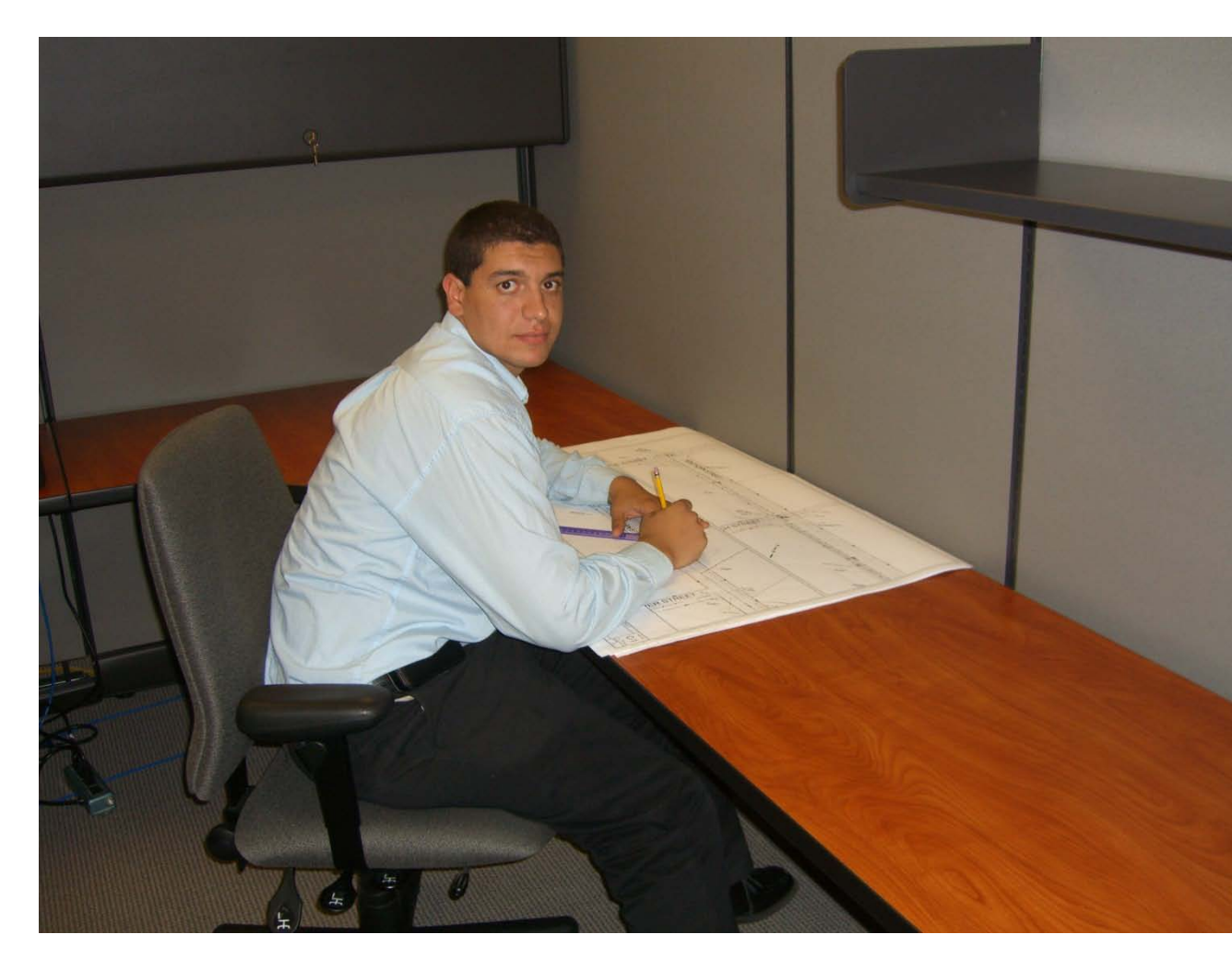


Josiah Shultz & Loay Hanthel at the Kennedy/Jenks SD headquarters

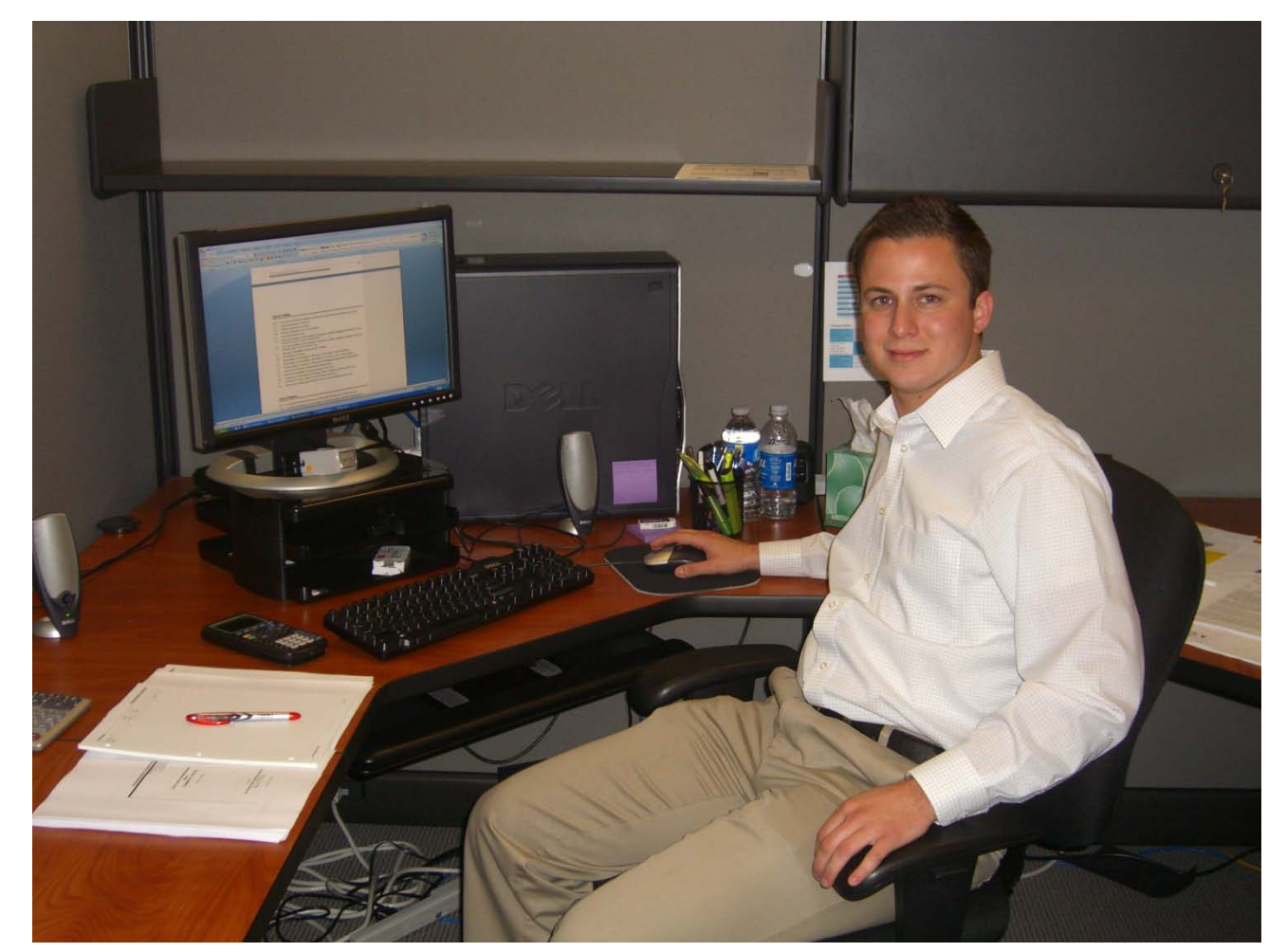
Kennedy/Jenks Consultants strives to find the right mix of innovative and proven solutions, to improve operations while reducing costs, to deliver engineering and scientific excellence, all while protecting the environment.

Experience

- Estimated Project Materials
- Estimated Project Budgetary Costs
- Determined Thrust in Pipeline and Calculated the Necessary Size of Thrust Blocks
- Calculated Pipe Size for Specific Flow Rates
- Created Report to Sell a Manhole Rehabilitation Process to Clients
- Summarized Technical Report to be Reviewed by Water District
- Assisted in Preparing a Technical Memo to Evaluate Pump Station Alternatives
- Designed Presentation for Kennedy/Jenks to present to Vista Board of Directors
- Evaluated Plans for Existing Utilities
- Calculated the Necessary Size of Manholes
- Determined Cut and Fill Volumes for Project
- Designed Concrete Slab for Pressure Reducing Station



Loay evaluating plans for existing utilities



Josiah estimating project material costs

Conclusion

The experience of working in an engineering firm like Kennedy/Jenks Consultants provided us with a deeper understanding of the civil engineering profession. Through this internship, we were able to learn about some of the specific branches of the discipline such as: construction, water management, design and structural engineering. We were also exposed to a teamwork environment which enabled us to learn how engineers think and work. We were able to learn a great deal of technical language which will enhance the ways in which we network with other professionals. We also realized the importance of being a proficient writer as we reviewed technical reports. Thanks to this experience we are now better prepared for our future and highly motivated to continue with our career in civil engineering.



Josiah and Loay demonstrating teamwork

Outcome

As interns, we are very fortunate to be able to work on such a wide variety of projects. From calling material distributors to working out hand calculations, we are able to learn about many different aspects of a project that we would have never had the opportunity to learn in school. After working side-by-side with successful engineers, we now are far more comfortable reading plans and specifications for a construction project and using the technical language to describe what we are seeing.

It is motivating to feel part of an engineering team and to communicate to specialized personnel outside of the office. It is exciting to see our assistance being utilized on project plans and other aspects contributing to the success of Kennedy/Jenks Consultants.



Josiah reviewing plans to estimate project materials



Loay preparing a spreadsheet for pump station alternatives



Josiah printing out plans