



WATER & SEWER DESIGN



FEATURED PROJECT *SUN COLONY*

EARTHWORKS was retained by a land developer to design the infrastructure for a master planned golf community with over 258 acres for 1200 residential units. EARTHWORKS identified service areas for the existing water and sewer utilities, created a preliminary engineering plan for approval of the utility district and prepared hydraulic models to simulate current and proposed conditions.

Based on the results of the models, the utility district hired EARTHWORKS to design additional interconnections to improve flow and pressure in the water system and make revisions to the sewer system to accommodate future growth around this community. Total infrastructure cost in the first phase was \$1.5M, with the utility district participating in the service improvements.

EARTHWORKS' Municipal Engineering

The EARTHWORKS Group can provide the municipal engineering services for water and sewer systems that you need to properly implement your project. EARTHWORKS' project experience includes the preliminary and final design and construction of municipal infrastructure projects including stormwater management facilities, storm and sanitary sewer drainage, roadways, sewage lift stations, water supply, booster pumping stations and water distribution analysis. The EARTHWORKS Civil Engineering team has completed numerous municipal design projects including roadways, interchanges, sanitary sewers, storm sewers, water mains, pumping stations, and force mains. Our staff is well qualified and trained in current design techniques and related computer software. We can assemble an experienced and qualified team to tackle large or small projects efficiently and effectively.

Managing complex public works projects is demanding. Meeting technical and regulatory expectations is challenging. And finding a consulting engineering firm that feels as obligated to your community and its citizens as you are isn't easy. EARTHWORKS' team members are skilled at navigating through an increasingly complex maze of regulatory requirements to limit risks and enhance possibilities.



Regulatory requirements for water and sewer systems demand that the project be built to meet stringent standards for the protection of public health. Drainage and transportation systems have similar requirements for public safety, and we ensure that the product that is constructed meets or exceeds these requirements. Careful monitoring during the construction process allows us to provide outstanding quality assurance. EARTHWORKS has earned the reputation of providing the very best in design, engineering and construction services to ensure a successful result time and time again.