

Principal Civil Engineer

Principal Objective

Provide technical support to Engineering Department in the development and execution of various projects related to communities and infrastructure projects.

Organizational Relationship

Principal Engineer will report to a Civil Supervising Engineer. Will interact and coordinate work with other Royal Commission Departments

Major Activities Performed

1. Familiarizes with all Royal Commission codes and standards, General Design Criteria and Technical Guidelines, standard drawings and standard guide specifications
2. Review of A/E contractors design submittals, specifications, technical reports, calculations and coordinate work of other disciplines and departments.
3. Preparation of technical specifications and drawings for bid packages related to the development of various community and industrial projects.
4. Will implement methods and solutions for complex engineering problems and will select the most efficient and economical manner to meet our clients' design objectives.
5. Leads other Engineers and design personnel in technical excellence and growth in the Quality Improvement Process.
6. Provides technical consultations for interdisciplinary analytical studies and analyses.
7. Assists in the review of vendor drawings and shop drawings.
8. Prepare conceptual design and layouts.
9. Performs field inspection and provide field support, as necessary during construction phases.
10. Provide response and technical solutions to RFI's raised by Contractors, Operation and maintenance.
11. Must work well within a dynamic team and serve as a technical consultant to the client.

Experience and Qualifications

1. Bachelor's degree from an accredited university with major course work in civil engineering, transportation, or a related field of study.
2. Minimal 10-12 years of experience in design of residential, commercial, and industrial master-planned communities, storm water management, water and wastewater distribution network and paving plans for urban and rural roads.
3. Experience in preparing and modeling site grading, setting up horizontal and vertical geometry of roads, corridor modeling, generating profiles and cross sections, and calculation of earth work volumes.

4. Professional Engineer (PE) registration is essential.
5. Must demonstrate continual progression of experience and expertise in relevant discipline.
6. Ability to communicate effectively in both spoken and written English. Knowledge of Arabic language is a plus.
7. Knowledge of computers and basic software applications such as: AutoCAD, Civil 3D, Microstation, InRoads, MS Office (Word, Excel, Power Point).