

JOB OPPORTUNITIES

POSITION TITLE: Project Engineer

POSITION DUTIES: Primary responsibilities include designing roadways, drainage systems, site, and hydraulic modeling. During the designing phase, project engineer will be working on utility layouts, water tank plans, grading plans, erosion control plans, and site plans. Project engineer will help obtain approvals from governing agencies. All work, in accordance to state licensure laws, will be supervised and checked by a registered professional engineer (P.E.). Project engineer must have also passed the state Fundamental Engineering exam (E.I.) which is the prerequisite of getting the professional licensure (P.E.). When conducting drainage study, the project engineer will describe in general the existing condition of storm water drainage and the proposed improvements for a given projects. The project engineer will calculate site runoff, read the topographical map from a civil engineering point of view to delineate water sheds, and determine the time required for runoff to travel from hydraulically most distant point in the watershed to the outlet using velocity method. The project engineer will then calculate the existing and proposed site runoff using rational methods. After the project engineer calculates the existing flow patterns and quantity, he/she will limit the new development design in such a way as to prevent exceeding the runoff to the same downstream point where the existing runoff falls. In this process the engineer will use judgment as well as mathematical reasoning to determine the existing and proposed calculations. Project engineer will frequently use pipe network and on-site storage to limit the existing runoff. Project engineer will use Mannings formulas to calculate and design channels such us pipe networks and ditches. Project engineer will also perform roadway corridor design by Autocad, Civil 3D, hydraulic water modeling by KYpipe software, water and sewer design for subdivision, etc. Furthermore, project engineer will help prepare and submit Stormwater Pollution Prevention Plan (SWPPP) for small and large projects, Short Term Activity Authorization (STAA), and bid documents for various projects.

POSITION REQUIREMENTS:

Bachelor's Degree in Civil Engineering.

LOCATION OF EMPLOYMENT: 3825 Mt. Carmel Rd. Bryant, AR 72022.

SEND RESUME TO: GarNat Engineering, 3825 Mt. Carmel Rd, Bryant AR 72022.