

## Precast Drainage Technician Job Description

**Department:** Technical

**Working Hours:** Monday-Friday 8.30am- 5.30pm

**Reports To:** Technical Manager

**Location:** Enniskillen

**Employment Type:** Full-Time

**Salary:** Competitive

### **Job Summary:**

The Precast Drainage Technician is responsible for creating accurate material take-offs and estimates for precast concrete drainage systems. The role requires a detailed understanding of civil engineering plans, construction documents, and the ability to work with design software to interpret and quantify materials. This position is crucial for ensuring that projects are accurately estimated and that all materials are accounted for before project commencement. An element of the role will also focus on quality control and concrete testing to ensure products meet specified quality standards and project requirements.

### **Key Responsibilities:**

- **Plan Review:**
  - Analyse civil engineering drawings, plans, and specifications to understand the scope of work.
  - Identify and list the precast drainage components required for each project, such as pipes, manholes, inlets, and other related products.
- **Quantity Take-off:**
  - Perform detailed take-offs to quantify the amount of precast concrete materials required for drainage projects.
  - Ensure all required materials are accurately quantified, including sizes, lengths, and quantities of drainage components.
  - Utilise software tools (e.g., AutoCAD, Revit) to aid in the take-off process.
- **Cost Estimation:**
  - Collaborate with the sales team to apply unit costs to take-off quantities for preparing detailed cost estimates.
  - Work with suppliers and internal departments to obtain accurate pricing for materials.
- **Collaboration:**
  - Work closely with project managers, engineers, and construction teams to ensure accuracy and completeness of take-off quantities.
  - Participate in project meetings to discuss material requirements and address any discrepancies in plans or specifications.

- **Quality Control:**
  - Review and verify the accuracy of take-off data and ensure it aligns with project plans and requirements.
  - Recommend changes or improvements to take-off processes to enhance accuracy and efficiency.
  - Prepare and test concrete samples in the laboratory, including compressive strength testing, flexural strength testing, and curing processes.
  - Conduct sieve analysis and moisture content tests on aggregates as required.
  - Accurately record test results, observations, and any deviations from standards.
  - Compile test reports and communicate findings to project managers, engineers, and quality control personnel.
  - Maintain organised records of tests, samples, and results in compliance with company and industry standards.

**Desirable criteria:**

- Bachelor's degree in civil engineering or a related field is preferred but not essential. Professional experience considered also.
- Minimum of 2-4 years of experience in construction take-offs, estimating, or a similar role, preferably in precast concrete drainage systems.
- Proficient in using construction software and tools (e.g., AutoCAD, Revit).
- Strong understanding of civil engineering drawings, plans, and specifications.
- Ability to perform detailed mathematical calculations and measurements.
- Proficiency in conducting concrete tests and using relevant testing equipment.
- Excellent attention to detail and accuracy.
- Strong organisational and time-management skills.
- Good communication and teamwork abilities.

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This job description is intended to convey essential duties and responsibilities and should not be construed as an exhaustive list of responsibilities, duties, and skills required. Management reserves the right to make changes at their discretion.