



Subject: Sewer Construction Resident Engineer Inspection Experience Requirements  
From: Beth Vogt, Technical Services Director  
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A full time resident engineer is required to provide inspection services whenever any sanitary sewers or manholes are being installed.

### **What is expected of resident engineers?**

The resident engineer is expected to confirm that State Law, the plans, and the specifications regarding sanitary sewer construction are being followed. Thus, the resident engineer is expected to know State Law, the plans and the specifications. In particular, this means they must have reviewed the plans and specifications for the particular project, and have their own, reliable and immediate access to the latest version of the approved plans.

**Relying upon the contractor's copy of the plans is not acceptable. Relying upon prior experience with work in other Districts is not adequate. Relying upon prior experience with earlier specifications and earlier projects within this District is not adequate.**

In addition, resident engineers are expected to keep the District and the public sewer owner (often, the City of Elgin or the Village of South Elgin) apprised of the status of the project. A call before the project begins is essential and the starting point for this.

All relevant observations are to be included in the resident engineer's daily reports. As a minimum, specify the work observed, the soil conditions, the groundwater conditions, and the need for pumping groundwater, the pipe material, the bedding, the cover and the fill used. Deviations from plans and field changes must be noted. Daily reports are to be sent to the District at least once every two weeks and within one week of the conclusion of the construction of the public sewers.

### **How do I get approved?**

If a resident engineer has already been employed on a sanitary sewer construction project within FRWRD's boundaries, they may already be on the approved list. The current list of approved resident engineers is available on the FRWRD website.

If the resident engineer has never worked within FRWRD's boundaries, provide a written, brief work experience history, highlighting experience on **sanitary sewer construction projects**, if available. If the individual does not have direct sewer construction experience, experience on other underground utility construction should be highlighted. If the individual does not have construction experience, provide a current resume of education and work experience.

FRWRD staff will advise if the submitted information is acceptable for the individual to be an approved resident engineer on sewer projects in the FRWRD service area. Response time is normally 5 to 7 business days.