



Cover Letter — Drainage Impact Automation Modules

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Following our meetings and technical discovery sessions with the LCR team, this document outlines the key automation modules identified for LCR's drainage design workflow. Each module represents a distinct automation capability that can be deployed independently or as part of an integrated system.

Module Selection and Dependencies

LCR may elect to proceed with one or more modules based on immediate priorities and strategic considerations. However, **Module C — Drainage Impact Report Generator (DIA Engine)** has specific dependencies and requires supporting modules:

- Requires area and runoff coefficient data from **Module A** (Automated Area Calculation)
- References rainfall intensities, C-values, and detention requirements from **Module B** (UDC & DOTD Specification Extraction)
- Once these inputs are available, Module C automatically generates complete city-compliant DIA reports

Modules A, B, D, and E may be developed and deployed independently or in parallel.

Collectively, these modules form an integrated pipeline that transforms LCR's current manual drainage analysis process into an automated, auditable, and repeatable workflow.

Dozier Tech Group welcomes LCR's selection of preferred modules for implementation