LAMONT COUNTY

RURAL DRAINAGE MANAGEMENT PLAN

PROJECT OVERVIEW

Location | **Lamont County**

Client | **Lamont County**

Implementation Year | **2021-2022**

Cost | **$0.61M**

Project Take-Aways

- ✓ **Successful Project Delivery**

SE DESIGN AND CONSULTING INC.

PROJECT DESCRIPTION

In recent years, Lamont County has experienced a wet hydrologic cycle, and consequently widespread flooding and drainage issues. In 2019, SE Design and Consulting was contracted by Lamont County to lead a team of subconsultants and in-house personnel to complete a county-wide drainage study, develop a Rural Drainage Management Plan and complete a Master Drainage Plan for the Lamont Industrial Heartland Area (IHA).

A key deliverable of the project was the Lamont Drainage Inventory Database (LDID), a geospatial database compiling all the information and analysis from the project into one digital format that can be explored to provide critical drainage information, easily rendered into mapping, and serve as a planning tool for the County to address drainage issues.

The RDMP report, submitted in April 2021, laid out the data collection, analyses, and assessments that the team conducted to create the LDID and to devise the RDMP. It also presented the rural drainage management framework and recommended plan. The goal of the project was to provide a useful tool and practical guidance for the County to resolve their drainage issues, accommodate the natural drainages, and prioritize drainage infrastructure projects. The key deliverables met and exceeded this project goal. The RDMP report revisions and the finalization of the IHA Master Drainage Plan are expected to be completed by summer 2021.

SE DESIGN TASK SCOPE

- ✓ Topographic Survey of 1,911 Culverts, 1,580 Roadway Sections, and 74 Creek Sections
- ✓ Data Processing and GIS Database Integration
- ✓ Coordination of Hydrology Subconsultant
- ✓ Coordination of Environmental Subconsultant
- ✓ Integrating In-House and Subconsultant Team Efforts
- ✓ Leading Stakeholder Consultations and Client Liaising
- ✓ Drainage Issue Investigations, GIS Mapping, and Culvert Sizing Recommendations for 21 Priority Problem Areas
- ✓ Drainage Improvement Concept Planning for the IHA
- ✓ Case Study Memorandum