

2025 Drainage Operational Workplan

Transportation & Engineering Services



Sturgeon
C O U N T Y

Sturgeon County Drainage Network

Across Sturgeon County there is the following drainage assets:

1. 10,228 Culverts
 - 2,328 centerlines.
 - 5,061 approaches.
 - 2,834 field approaches.
2. 3,629km of ditches
 - 3,552km of roadside ditches.
 - 62km of registered ditches.
 - 15km of back of lot easements.

Operational Functions

The drainage operational workplan is comprised of 3 main functions:

1. Immediate response.
2. Regular maintenance/asset management.
3. Enhancements (addressing legacy issues).

Resources

- A combination of internal resources and contracted services is used to complete the drainage workplan.
- Internally Sturgeon County employs
 - 5 full time operators, 3 seasonal operators.
 - 2 track excavators.
 - 2 tandem trucks and pintle trailers.
 - 1 skid steer.
 - Compactor equipment.
 - 3 steamer units; 3 trailer pumps (3",4",6"); 6 trash pumps (2",3",4"); hose reel trailer; tiger dam, and layflat hose

2025 Drainage Workplan

- 10,718m of ditching.
- 110 culvert replacements.
- 135 culvert maintenance files.
- 30 culvert flushing files.
- 2 erosion repair projects.
- 1 back of lot easement project.

Example of Enhancement - 2024



Example of Back of Lot Easement



Example of Registered Ditches



Example of Culvert Maintenance



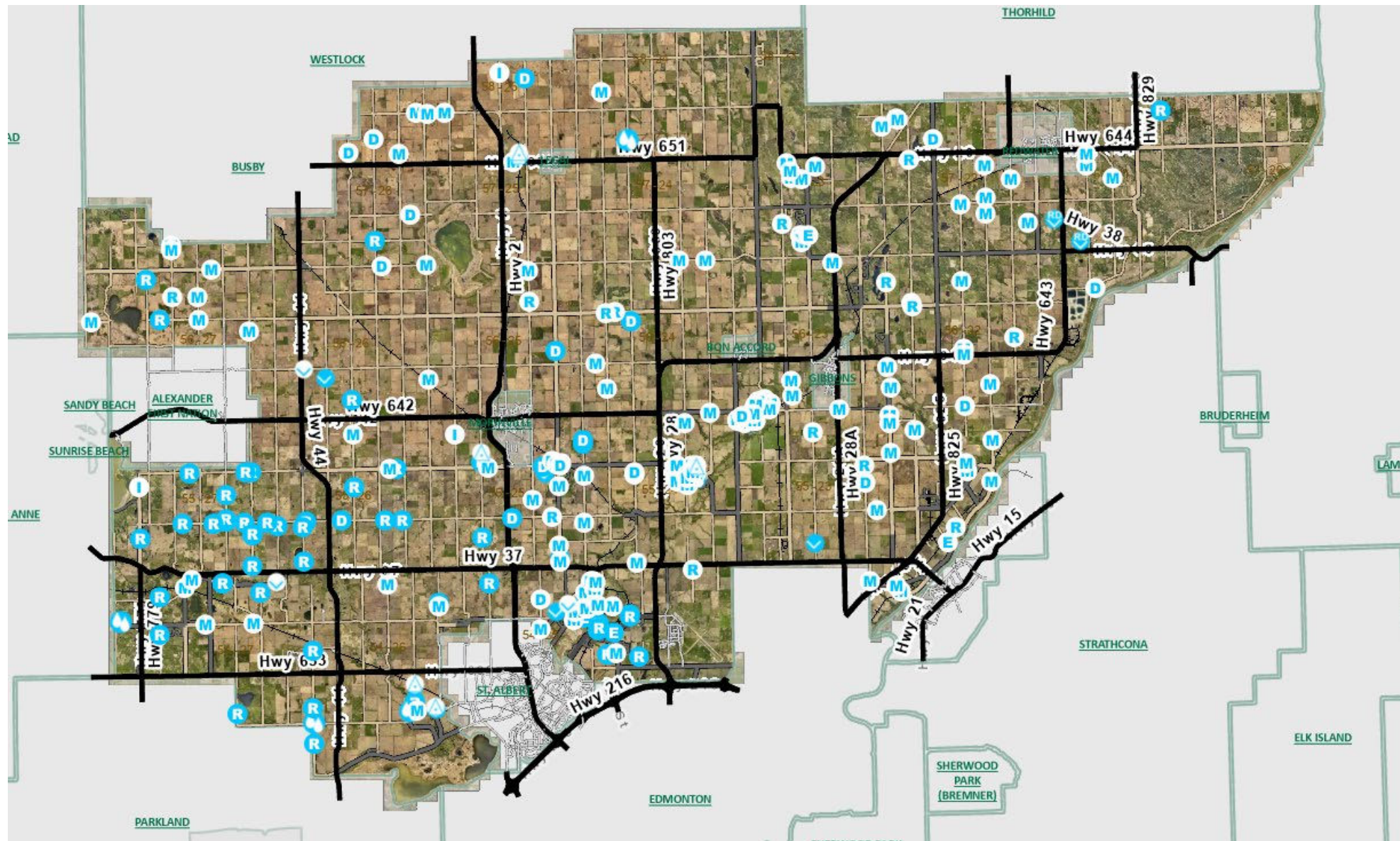
Example of Drainage Maintenance



2025 Drainage Enhancements

- Twp Rd 554 West of Cardiff.
- Rge Rd 244 South of Twp Rd 564.
- 42-46 Discovery Avenue – Back of lot easement.
- Sturgeon Valley erosion sites x 2.
- Noroncal liners and slope improvements.
- Rge Rd 251 North of Twp Rd 562.
- Pre-engineering for 5 locations for 2026.

2025 Drainage Workplan



Culvert Condition Assessment



Culvert Condition Assessment



Culvert Condition Assessment



Concrete Curb and Gutter



Locations	2025	
	Curb and Gutter (m)	Swale (m)
8	35	20

