

COMMUNITY DRAINAGE PLANS

ADAPTATION SMART MANAGEMENT PRACTICES



Climate Change Adaptation & Communities

Communities are on the frontlines of the
Climate Change Challenge.

Since many communities in the NWT have developed very organically and slowly, most do not have Community Drainage Plans. Why would you need one in our dry conditions?

Climate Change is changing all that. In addition to the increased precipitation that is falling in more intensive storms, one of the greatest threats to permafrost is water whether it is on the surface or below ground. One of the most effective ways to manage this threat is through the development and implementation of Community Drainage Plans.

Can we help you with your climate change challenge?

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The importance of Community Drainage Plans

- **Manage surface water in the community**
- **Protect permafrost from standing water**
- **Allows for more effective planning**
- **Protect roads from standing water thus reducing damage**
- **More likely to be able to contain spills**
- **Better able to handle increased storm volumes and intensity**
- **Increase Public Health and Safety**
 - **Removes Mosquito breeding grounds**
 - **Removes drowning hazard**
 - **Reduced mold**
 - **Increased lifespan of permafrost**
- **To be combined with drainage improvements on private property. See Smart Management Practice Sheet.**
- **To be combined with Site Drainage Plans on new development—See Smart Management Practices Sheet**

