

Country Residential - Lot Grading Plan Example



This example applies to new single detached and residential accessory developments located on a Country Residential Lots 0.5ha in size or less.

This information is intended as a general guide only. For questions, please contact the City of Whitehorse Engineering Services Department at 668-8305

Drainage plan must show:

- Lot information: Lot Number, Block Number, CLSR and LTO Plan Numbers, Property Lines and Easements.
- Labels for adjoining Street(s)
- All existing and proposed building footprints and main floor elevations.
- All relevant existing surface features including but not limited to existing well heads, driveways, and culverts.
- Lidar contours complete with labels. These can be provided by the City of Whitehorse upon request.
- Drainage features such as swales, ditches and retaining walls.
- Surface treatments (if other than natural ground).
- Proposed elevations at building corners, and top of building pad.
- Proposed elevations along invert of swales (if applicable) and along retaining walls
- Location of proposed toe of slope where building pad matches into existing surrounding grades.
- Existing elevations or proposed elevations along Driveway (whichever applies)
- Location of septic field and well

Design requirements:

Minimum drops in elevation:

- Minimum 100mm drop in elevation from main floor elevation to elevation at grade outside of building (with exception to area fronting garage).
- Where achievable, min.150mm drop in elevation from grade at building to toe of slope or invert of swale.

Swales:

- Minimum grades of 1.5% along swale inverts
- Swales provided on uphill side of all buildings

Well and Septic

- Well and septic locations meet requirements of Yukon Government Environmental Health Services.

