

Appendix D: Recommended Private Lane Construction Minimum Standards

Right-of-Way width	20.0 m (66 ft)
Width of Clearing,	9.0 m (30 ft)
Surface Width,	6.0 m (20 ft)
Surface Material	Crushed stone
Depth of Surface Material, (Gran. "A")	100 mm (4 in)
Depth of Base Material/Cover over bedrock (Gran. "B")	150 mm (6 in)
Depth of Base Material / (Gran. "B")	300 mm (12 in)
Granular Shoulder, Including Rounding	1.0m (3 ft)
Crown, Minimum	2%
Cross Culvert	400 mm (16 in) - 300mm (12 in) minimum cover
Culvert Material	Aluminized Corrugated steel pipe/High density polyethylene (double wall)
Maximum Vertical Grade	12% (1:8) Minimum vertical curve length subject to design speed requirements
Horizontal Turning Radius	Minimum centerline radius 12.0 m (40.0 ft) – Subject to design speed requirements
Ontario Building Code requirements	Safe passage of emergency vehicles Maximum change of gradient not more than 1 in 12.5 (8%) over a minimum distance of 15 m (50 ft). Turnaround for dead-end portion of road more than 90.0m (295 ft) long.
Ditches, Minimum Depth from Road Centerline to Bottom of Ditch	0.5 m (1.5 ft) or 0.15 m (6 in) below bottom of granular B whichever is lower
Overhead Clearance Height	5.0 m (16 ft) minimum