



STANDARDS FOR SURVEY



Revision Information Sheet

The following table indicates all revisions including any additions, deletions, and modificiations to this manual subsequent to its issuance April 25th, 2022. Revisions to these standards are subject to the approval of the Township. A written request to change or revise the standards may be submitted to thw Township of Wilmot for review.

Rev. No.	Date (DD/MM/YY)	Section No.	Revision Details



Section 1 – Township of Wilmot Right-of-Way Property Line to Property Line

City of Kitchener standard survey codes shall be used. Please note, digital engineering drawings shall correspond with City of Kitchener CAD Standard Manual.

- Curbs to be delineated by showing back of curb location and edge of pavement location
 @ 15 metre intervals.
- Detail pickup to front of all buildings; however, include approximately 3.0 metres Minimum behind front of property line if no buildings are present (i.e., agricultural fields)
- Edge of pavement to be picked up independently in absence of curb/gutter.
- Shoulder (if any) to be picked up
- Ditch (if any) to be picked up
- Road material changes (if any) to be illustrated (i.e. pavement to gravel)
- Centreline elevations to be picked up at approx. 15.0 metre intervals starting approximately at STA. = 1+000.
- Back of curb and shots to be taken at approx. parallel positions to centreline shot locations. Stationing to progress up-chainage south to north and east to west.
- All driveway ramps to be shown (old style "concrete & curb", and new style "drop curb and asphalt")
- Include cross-sections of all driveways and/or property entrances.
- Bus stop pads, etc. (note material)
- All vegetation other than ground cover (note hedge & bush size)
- All trees and stumps (Township and private) that shows the centre of trunk and includes a measurement of the tree's diameter at 1.3 m above ground level.
- All signposts, guardrails, handrails, footbridges, bollards, barricades, parking meters, fences, etc.
- Retaining walls, etc. (note: material type and width)
- Footsteps, footbridges
- Utility poles, light poles, signal light poles, etc.
- Any bridge structures crossing overhead are to show columns & abutments
- If road is passing on a bridge, show expansion joints, edge of bridge and side barriers
- All permanent or semi-permanent garbage receptacles, planters, bench seats, etc.
- Monuments, statues, plaques, etc.
- Survey bars, benchmark plates, cut crosses, etc.
- Significant berms or swales
- Boulders & cobbles & rip-rap, and other erosion control devices
- Creeks and Ponds (will mainly be on public lands but applies to creeks on private property also)
 - o edge of water
 - o berms
 - retaining walls
 - o rip-rap and other gabions



- concrete lined channels
- o dams
- current velocity reducer dams
- fish ladders
- o headwalls, pipe outlets
- o pipe inlets
- o intentionally placed cobbles
- boulders
- o note obvious wildlife habitats e.g. swan's nest
- o any other erosion control equipment
- Bush lines of forests (edge of bush or edge of canopy) (both when requested)
- ALL sidewalks (note material if other than concrete)
 - access roads (note if other than asphalt)
 - o parking areas (note if other than asphalt, show curbs if any) label as such
 - o aprons (note material) label as such
 - o graveled or stone dust areas
- Any permanent or semi-permanent structures e.g. bus stop shelters, playground equipment, pumphouses, etc. note description
- Railroad tracks, track bed (if any), and signals with gate (if any)

Section 2 – Required Level of Detail Pick-up to Front of Building/House

2.1 Private Property

- All structures permanent and semi-permanent. Note municipal address number and description if other than single family residence (building name, company name, apartments, garage, shed, etc.) if plaza or mall note mall's name)
- All vegetation other than ground cover (note hedge and bush size)
- All sidewalks (note if other than concrete)
- All driveways (note if other than asphalt)
- Parking areas (note if other than asphalt) show curbs if existing label as such
- Aprons (note material) label as such
- Graveled or stone dust areas
- Signs
- Gates or other restricted admission devices
- Fences, handrails, guardrails, bollards, barricades, footbridges, porches, etc.
- All steps
- Retaining walls (note: material type and width)
- Any poles of any kind (poles that are permanent or semi-permanent)
- Any permanent or semi-permanent garbage receptacles, planters, bench seats, etc.
- Electrical outlets
- Monuments, statues, fountains, plaques, etc.



- Significant berms or swales, ditches etc.
- Boulders
- Gas pumps and islands, etc.
- Bush line of forests
- Pressurized storage vessels
- Hazardous material storage vessels
- Rip-rap and other erosion control devices
- Private in-ground lawn sprinkler equipment

2.2 Downtown Area

- All structures, permanent and semi-permanent. Note municipal address number and description if other than single family residence (building name, company name, apartments, garage, shed, etc. if plaza or mall note mall's name)
- Major vegetation (big trees)
- Sidewalks (up to building)
- All driveway up to building
- Parking areas
- Fences

Section 3 - Utilities Based in Ground

Everywhere within survey limits (unless noted)

- All catchbasins and drains
- All manholes note if other than sewer
- All telecommunications and hydro structures above ground
- All telecommunications and hydro structures below ground. Show structure perimeter and access hatches and cooling grates
- All sewer catchbasin and manholes inverts
- If CCTV is required contact: The Township Engineering for assistance with obtaining information.
- If catchbasins or manholes are blocked due to water or debris, note as such, and contact The Township Engineering to coordinate Operation's Staff assistance as required.
- All water/gas valves (including all water service curb stops) provide "dip" measurement to top nut of valve or extension.
- All culverts (on Township property)
- All drainage inlets/outlets, headwalls, etc.
- On cross streets or side easements with sewers that feed in to sewer system being surveyed show location and inverts of the next manhole or catchbasin beyond drawing limits. (same for water valve info if possible)
- If manhole or catchbasin is larger than normal size document dimensions in field book.
- Gasmain and watermain vent devices



- Hydrants
 Utility meters on Township property
 Handwells (note: size, use, including gas meters at side and front of structures)