

## APPENDIX 4

### DRAWING REQUIREMENTS FOR THIRD PARTY CROSSINGS

The information below is required to be submitted on drawings to Sun-Canadian for crossing approval. All drawings that are issued for construction near the pipeline must be approved by Sun-Canadian.

1. **CAUTION NOTE:** A warning statement should be placed so as to be plainly visible.

**WARNING High Pressure Oil Pipelines**  
**Pipeline Inspector MUST Be Present During Construction**  
**Contact: Sun-Canadian Pipe Line Company Limited**  
**72 hours before commencement of work**  
**1-800-263-6641**

2. **Drawing number, Revision number, and Date.**
3. **Dimensions in Metric units and /or Imperial Units.**
4. **Description of Installation:**
  - (a) Indicate the location of all surface and buried installations associated with the crossing, including: pavement, guide rails, fences, subdrains, cables, walkways, berms, sewers, utilities etc.
  - (b) For surface installations indicate: surface and subgrade materials, maximum anticipated wheel loading, other data as applicable.
  - (c) For underground installations indicate: type of materials, diameters, maximum voltage, pressure, conduit structure dimensions, duct size and configuration, reinforcing details, as applicable.
  - (d) Indicate details of any protective measures required by Sun-Canadian Pipe Line Company Limited.
5. **A plan view showing:**
  - (a) North Arrow,
  - (b) Geographic Description, (Lot, Concession, R-Plan, municipality, etc.)
  - (c) Pipeline location & diameter,
  - (d) Pipeline right-of-way boundaries & dimensions,
  - (e) Dimensions of surface installations,
  - (f) Crossing angle (as close to 90° as possible)
6. **A profile view showing:**
  - (a) For surface installations a view along the pipeline,
  - (b) For buried installations a view along the installation,
  - (c) Depth of the pipeline and all buried installations,
  - (d) Distance between the pipeline(s) and installations,
  - (e) Pipeline right-of-way boundaries & dimensions.