

# STANDARD COMPLIANCE REQUIREMENTS

## Maintenance and Repair of Municipal Drains Constructed under the Drainage Act

### E. Culvert Replacement

#### Description of Typical Works

Replacement of a culvert in accordance with the Engineer's Report. Replacement culverts must be the diameter and length and installed at the location specified in the Engineer's Report.

#### Activity-Specific Mitigation Requirements

- Minimize disruption to the channel and bank slopes.
- Placement of any material removed cannot impact flow.
- Culverts are to be embedded and appropriate *erosion* protection installed.
- Minimize *flooding* upstream and downstream.

#### General Mitigation Requirements

General mitigation requirements are standards that must be maintained on all drain *maintenance* and *repair* projects.

- Choose conditions and equipment appropriate to minimize site disturbance by equipment (e.g. frozen or dry soil conditions or the use of load distributing machines or mats).
- Place brush, debris and sediment in such a location as to minimize entry into the channel.
- Perform work in appropriate flow conditions to minimize debris movement and *erosion*.
- Limit soil movement and *erosion*; use appropriate control measures before work begins and inspect and maintain those measures regularly until all disturbed areas are stabilized.
- Except on cultivated lands, any areas of disturbed or bare soil around the drain should be seeded with native, non-invasive herbaceous material while the ground is moist and conditions are appropriate for germination.

The \_\_\_\_\_ Conservation Authority grants permission under Section 28 of the *Conservation Authorities Act* for work to be conducted in the \_\_\_\_\_ drain in accordance with the notification form, provided maintenance and repair activities comply with all standards set out above. This permission does not relieve the applicant of the responsibility to obtain any other approvals which may be required from municipal, provincial or federal authorities.

File Number: \_\_\_\_\_ By-Law No.: \_\_\_\_\_

Period of Validity: \_\_\_\_\_ to \_\_\_\_\_

Location:  Location map attached

Geographic Township: \_\_\_\_\_

Municipality: \_\_\_\_\_

<b>Work Zone*</b> :	FROM Lot _____ Conc. _____ TO Lot _____ Conc. _____
<b>Impact Zone**</b> :	FROM Lot _____ Conc. _____ TO Lot _____ Conc. _____
<b>Length of Work Zone:</b>	_____ metres

*\*Work Zone = part of the drain where the work is actually occurring*

*\*\* Impact Zone = linear length of watercourse extending 1 km downstream of the bottom end of the Work Zone*

Signature of Conservation Authority Official:	_____	_____
	<i>Name</i>	<i>Signature</i>
Date:	_____	