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Culvert Requirements

- **Prior to Installation of any Drive and/or Ditch Culvert or purchase of any material, contact Troy Township Road Supt. - Matt Thayer: (419) 566-4916**
 - All access across township right-a-way must allow for the unimpeded flow of storm water.
 - All driveway culvert should be a minimum size of 12" (inches) in diameter. Where necessary, a larger or lesser diameter may be required to control the flow of water.
 - Pipe is to be buried with a minimum of 12" (inches) cover.
 - Install inlet drops on the upstream side of each drive.
 - Driveway culvert must be a minimum of 40' (feet) in length.
 - Driveway culvert shall be constructed of one of the following materials:
 - Reinforced concrete pipe
 - Double wall Polyethylene pipe
- Enclosed ditch pipe, if desired, must be a min. of 12" Double wall **Perforated** Polyethylene pipe surrounded with # 57 or #46 washed gravel to top of pipe.
- All material costs will be the responsibility of the property owner.
 - Labor for all residential driveway culvert installations will be provided by the Township at no charge.
 - All other culvert installation labor will be charged based on the diameter of the culvert - Ex: 12in Pipe - \$12 per foot, 15in Pipe - \$15 per foot (Minimum charge \$12 per foot)
 - All driveway culvert and ditch enclosures become the property of Troy Township.
 - Replacement of existing culvert and other enclosures, when required, will be borne by the Township if initial culvert and ditch enclosures were of an approved design.

Residential and Field Drive Requirements

GENERAL DESIGN

Intersection Angle:

New drives should intersect the roadway at an angle from 70° to 90° (degrees), if at all possible.

Profile Grade:

Drive profiles shall slope down and away from the pavement edge at the same slope as the treated shoulder. Beyond the roadside area, the slope should not exceed ten percent (10%), although eight percent (8 %) slope is preferred.

Drive Widths and Radii:

The minimum drive width should be twelve (12) feet. Special drives may be wider, but should not exceed twenty-four (24) feet. Field drives may be wider than twenty-four (24) feet to prevent encroaching into traffic lanes and disturbing roadway culvert ditches.

All drives, including field drives, must be constructed with an approved culvert tile.

Turnout radii shall be a minimum of twenty-five (25) feet. Radii may be increased if it is determined that improved driveway operation will reduce traffic hazards and improve access for emergency vehicles.

Concrete and asphalt drives may extend to the roadway pavement edge provided the surface of the drive is a minimum of one (1) inch below the surface of the roadway. **Should replacement be required, asphalt will be used in all cases by the Township.**

Commercial Drives:

All commercial drives will be designed to meet project needs and will be evaluated at the time of design

Mail Box Requirements

- All mail boxes shall be of a design and material to meet current postal regulations.
- Mail box posts or supports placed in Troy Township Right-a-Way shall be placed a minimum of eighteen (18) inches from the finished roadway surface. Distance is measured from a vertical plane extending from the outer most surface of the mail box or support to finished edge of roadway.
- The mail box posts or supports if made of wood shall be no larger than 4"x 4" square or 4½" in diameter.
- The mail box posts or supports if made of other than wood shall be no larger than 2" x 2" square or 2½" in diameter.
- **Concrete and/or brick structures shall not be placed in right-a-way.**

Mail Box Snow Damage

If the mail box is damaged by the snow plow and/or truck, the Township will replace such mail box and/or post with like or similar materials.

If the mail box or post is damaged by snow and/or ice exiting the plow the mail box or post will not be replaced.