

# **DRIVEWAY & ROADSIDE PIPE POLICY**

*FOR COUNTY ROADS IN  
RICHLAND COUNTY, OHIO*



**WITH INSTRUCTIONS FOR  
DRIVEWAY CULVERT PIPE INSTALLATION**

***THOMAS E. BECK, P.E.  
RICHLAND COUNTY ENGINEER***

**NOTE:** Those Townships listed below have also adopted this policy for use on all roads within their respective townships.

<u><i>Township</i></u>	<u><i>Adopted</i></u>
Bloomington	8/08/95
Jackson	4/03/95
Monroe	4/18/95
Sandusky	8/17/95
Sharon	7/19/04
Washington	8/17/95

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**STANDARD SPECIFICATIONS FOR RURAL  
RESIDENTIAL  
AND FIELD DRIVES  
ON COUNTY ROADS IN THE UNINCORPORATED AREAS OF  
RICHLAND COUNTY**

**A. GENERAL DESIGN**

Intersection Angle: New drives should intersect the highway at an angle from 70° to 90°, if at all possible.

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

A vertical curve should be provided, outside the normal graded shoulder area, for transitions in profile grade. Vertical curve length should fall between ten (10) and twenty (20) feet.

Drive profiles on curbed roadways shall be evaluated, based on intended vehicle use.

**B. DRIVE WIDTHS AND RADII**

The minimum drive width should be twelve (12) feet. Special drives, such as combination drives between two properties, may be wider, but should not exceed twenty-four (24) feet. Field drives may be wider than 24' to prevent equipment operators from encroaching into traffic lanes while entering or exiting the drive.

Turnout radii should be a minimum of twenty-five

(25) feet. Radii may be increased, however, if it is determined that improved driveway operation will reduce traffic hazards.

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

**C. CONCRETE AND CURBED DRIVES**

Driveway curbs and concrete drive approaches shall extend no closer to the pavement edge than these dimensions:

1. Eight (8) feet with no culvert.
2. One (1) foot on the property side of the culvert pipe, measured from edge of pipe.

Drive curbs may extend to the pavement edge if the road pavement has a curb. Concrete drive approaches may extend to the pavement edge, if the roadway pavement is concrete.

**D. DRIVEWAY MATERIALS (Recommendation only)**

Field Drive:

1. 6" Crushed Aggregate Base

Residential Drive: [The following guidelines are suggested for those owners who desire a structurally sound driveway installation with a longer life expectancy].

1. 2" Asphalt Concrete over Bituminous Prime Coat, applied at a rate of 0.4 gallons per square yard over a 6" Crushed Aggregate Base

**IMPORTANT TELEPHONE NUMBERS:**

RICHLAND COUNTY ENGINEER:  
OFFICE (419) 774-5591

COUNTY HIGHWAY SUPERINTENDENT:  
GREG BUSH (419) 774-5594

CHIEF BUILDING OFFICIAL:  
PHILLIP MARCUS, P.E. (419) 774-5517

ADOPTED BY:

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THOMAS E. BECK, P.E., P.S.  
RICHLAND COUNTY ENGINEER

CONCURRING:

\_\_\_\_\_  
DANIEL G. HARDWICK  
COUNTY COMMISSIONER

\_\_\_\_\_  
EDWARD W. OLSON  
COUNTY COMMISSIONER

\_\_\_\_\_  
TIMOTHY A. WERT  
COUNTY COMMISSIONER

DATE \_\_\_\_\_

2. 1-1/4" Asphalt Concrete over a 3-3/4" Bituminous Aggregate Base
3. 8" Crushed Aggregate Base
4. 6" Concrete (reinforcing recommended)

Commercial Drive:

Evaluate design based on need and intended use.

**E. DRIVE CULVERTS (including enclosed roadside ditches)**

Size: Pipe diameter to be determined at the time of construction. Minimum size shall be twelve (12) inches in diameter.

Pipe length shall be no less than the drive width, plus nine (9) feet on each side. A minimum drive width of twelve (12) feet has been established.

Material:

1. Reinforced Concrete Pipe (RCP) \*
2. Smooth wall Polyethylene Pipe [N12, Hi-Q or equivalent] (CPP) \*\*
3. Corrugated Metal Pipe (CMP) \*\*\*

Couplings for pipe segments shall be of a type and size recommended by the pipe manufacturer.

\* Recommended for long life

\*\* Economical

\*\*\* Short life in corrosive water conditions

Cover: Pipe cover shall be a minimum of twelve (12) inches or as otherwise approved by the County Engineer.

Inlets: Install drop inlets at the following locations:

1. High (upstream) side of each drive.
2. Every 100 feet along enclosed ditch.

**F. INSTALLATION**

Pipe and all related materials (inlets, couplings, etc.) shall be purchased by the property owner.

Driveway Installation: 20' to 30' - \$150.00  
31' to 40' - \$175.00  
41' to 60' - \$200.00

The cost of granular back fill is included in the above pricing. For concrete or asphalt driveway installations, an additional fee of \$250 will be charged to provide and install asphalt concrete for the driveway apron from the edge of the road pavement to one foot behind the drive pipe.

Installation shall be performed by the County within the road right of way. The county will cover tile, property owner will be responsible for dirt, seed and mulching. Installations outside the road right of way shall be the responsibility of the property owner.

**G. REPLACEMENT OF EXISTING CULVERT AND DRAIN PIPES**

The cost of replacing all existing driveway culverts and ditch enclosures, as well as drainage pipes for storm water drains, shall also be borne by the property owner. Fee schedules for such installation shall be the same as for new driveway and storm drain installations.