

## Appendix A. – Technical Design Standards

### **A. General Information**

The construction and repair of access points to property fronting on county and township roads in Coshocton County shall be done only with the written permission of the Coshocton County Engineer. Permission is also required for the paving of that portion of an existing drive that lies within the road right-of-way. All expenses associated with any of this permitted activity are solely the responsibility of the permittee.

In all cases a field check will be made to observe the existing conditions at the proposed drive location. Because the geometrics of many roads in Coshocton County limits the sight distance, special attention needs to be given to the clear-sight distance for approaching traffic. Location of access points shall also comply with the spacing requirements outlined in these regulations based upon the classification of the drive and the classification of the road.

### **B. Design Requirements**

The construction of any access point must be in accordance with the minimum standards shown on the Coshocton County Engineer's Driveway Details. All drives shall be graded such that at least 10' of the approach to the road is uphill. No drives shall be permitted to drain directly onto the road.

When conditions warrant, the Coshocton County Engineer will require the installation of a drive culvert in the roadside ditch. The County Engineer will advise the permittee of the size culvert required. The minimum size of the culvert shall be 12" in diameter by 20' long and the culvert will be of a material acceptable to the County Engineer. When site conditions require a structure larger than a culvert, the property owner will submit plans for said structure to the County Engineer for review, comment, and approval. The installation, maintenance, and replacement of any driveway pipes or structures are the responsibility of the property owner.

Drives shall be constructed with a crown and side-ditches to direct any surface water into the roadside ditches and not directly onto the road. The property owner shall be responsible for maintaining these improvements.

Driveway aprons may be constructed of concrete, asphalt, limestone, or gravel. Concrete aprons shall be a minimum of 6 inches thick for residential, and 7 inches for commercial drives. Concrete aprons shall extend only to the edge of the aggregate berm and cannot be higher than the edge of the pavement. No curbs or headwalls that could create a hazard or hamper maintenance operations such as snow plowing, will be allowed in the shoulder area. Asphalt aprons may extend to the pavement edge but not above it.

The Coshocton County Engineer's Driveway Details attached shows the general requirements for all drives.

### **C. Construction Inspection**

Prior to any construction the permittee shall notify the County Engineer's Office at least one work day in advance of any proposed activity. An inspector from the Engineer's Office will determine from the nature and complexity of the project whether his continual presence is

needed. If the scheduled work needs to be canceled, the permittee shall notify the County Engineer at least one hour prior to the requested inspection time.

Failure to give notice of construction will be considered a violation of the permit and will be just cause for the County Engineer to request the Board of County Commissioners to take appropriate action to stop the construction. Repeated failure to notify the Engineer when work is being performed may result in the denial of future permit applications.

The inspector's normal work hours are 7:30 to 4:00, Monday through Friday. When inspection is required at times other than these, the permittee will be charged the inspector's hourly rate at time and a half. Work requiring inspection outside the normal work day may be performed only if an inspector is available.

#### **D. Construction**

During construction, the roadway shall be kept clear of all dirt, stones and debris.

During the progress of the work, barriers shall be erected and maintained for the protection of the traveling public, and the same shall be properly lighted at night. No excavation shall be made or obstacle placed in the roadway that might interfere with travel on the road. The permittee shall be responsible for all damages to persons or property due to any work done under this permit.

If, in the opinion of the County Engineer, any work done under this permit interferes with the road drainage in any way, he may require the permittee to construct catch basins, outlets, and other improvements to remedy the situation. All such work will be the responsibility of the permittee.

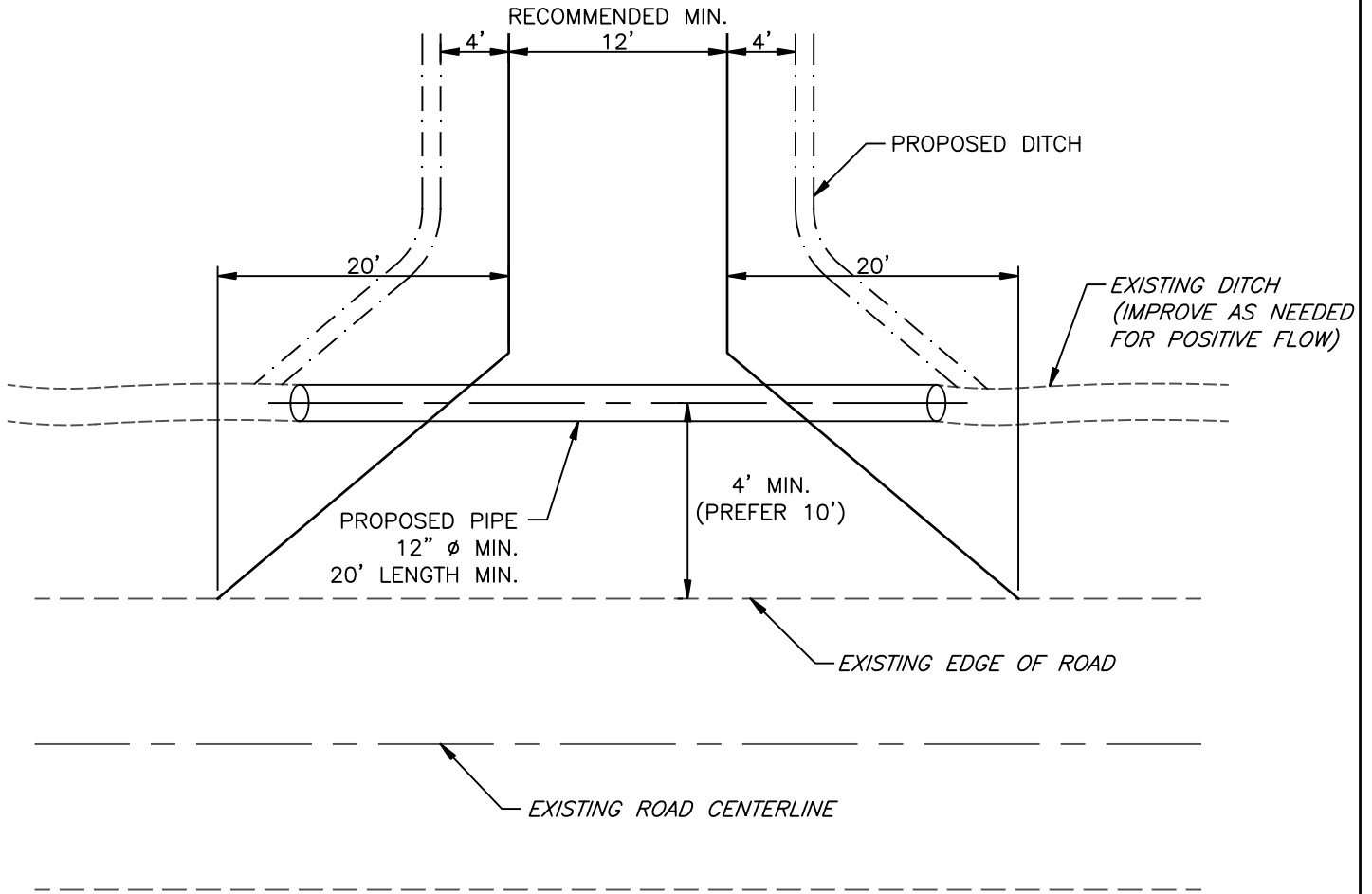
Backfill for culvert installations shall be "free dumping" No. 57 limestone or gravel. The 57's shall be brought up to within 12" of the finished grade. The remainder of the excavation shall be backfilled with No. 304 aggregate, in layers not to exceed 6 inches, loose measurement. Each lift shall be tamped or rolled. Final surface course will be installed as per the approved permit.

In all cases where a permit is granted for construction activity within the road right-of-way, it shall be the permittee's responsibility to restore the disturbed area to a condition equal to or better than it was originally.

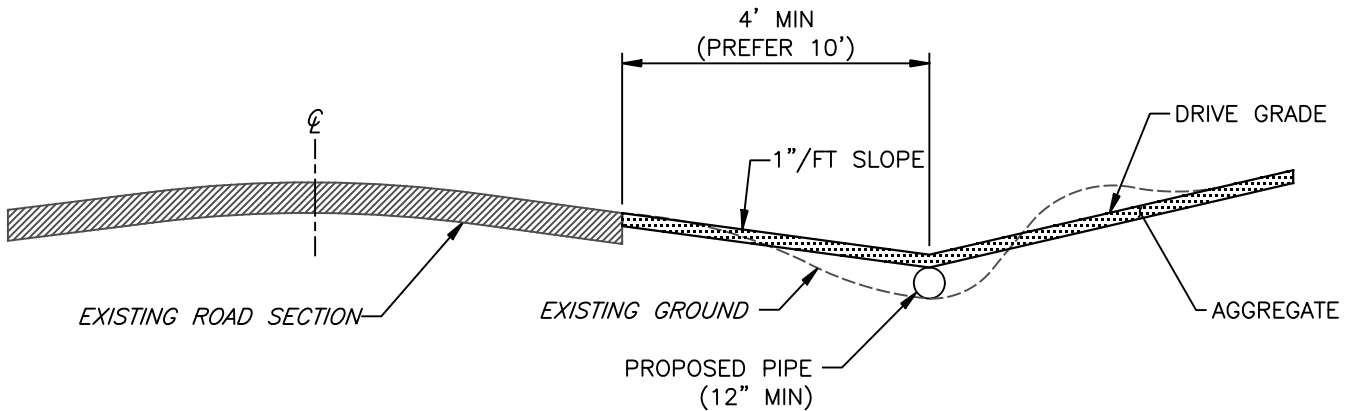
#### **E. Maintenance**

The property owner is required to maintain the drive as originally constructed. Drive culverts that have deteriorated or have been damaged causing blockage in the roadside ditch will be required to be repaired or replaced. When the County Engineer or the Township Trustees determine that repair or replacement of an existing drive culvert is necessary, written notice will be given to the property owner. The owner will have 30 days from receipt of the notice to complete the work required. Failure of the owner to repair or replace the drive approach, including deteriorated or damaged drive culverts, after having been given proper notification, will be considered just cause for the County Engineer to remove the obstruction. It will then be the responsibility of the property owner to obtain the necessary permit and re-establish the drive. When deteriorated or damaged pipes present a danger, directly or indirectly to the traveling public, then immediate repair or replacement will be required.

## PLAN VIEW OF DRIVE



## PROFILE OF DRIVE



**NOTES:**

1. ALL DRIVEWAYS MUST SLOPE DOWN FROM EDGE OF PAVEMENT 1" PER FOOT TO DITCH LINE BEFORE STARTING UP GRADE.
2. DRIVEWAYS SLOPING TOWARD THE ROAD MUST BE CROWNED AND DITCHED TO ASSURE THE WATER DOESN'T DRAIN ONTO THE ROADWAY. EXCESSIVE GRADES MAY ALSO REQUIRE WATER BARS OR TRENCH DRAINS.
3. DRIVES SLOPING DOWN FROM THE ROAD WILL REQUIRE A 10 FOOT LONG LEVEL PLATFORM APPROACH.
4. THE DRIVE MUST BE COVERED WITH AGGREGATE PRIOR TO USE.



**COSHOCTON  
COUNTY  
ENGINEER**

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COSHOCTON, OH 43812  
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COSHOCTON COUNTY ENGINEER  
PERMIT STANDARDS  
**DRIVEWAY DETAIL**

SCALE: NOT TO SCALE	REVISION DATE: 03/29/2016
DRAWN BY: TJH	APPROVED BY: XXX
SHEET: 1 OF 1	DWG NO: D-1