



**APPROACH GRADE FOR CUT OR FILL
TO BE USED WITH PAVED SHOULDER**

GENERAL NOTES :

1. These notes are for the drawings E 610-DRIV-04, -05, -06, -09, -10 and -11.
2. If a concrete approach is designed for a class II or class IV drive, the radii shall be constructed using ear construction type C as detailed on Standard Drawing E 605-ERCN-02.
3. When the maximum approach grade of $\pm 10\%$ does not meet the grade of the existing drive before the R/W line, the approach grade of $\pm 10\%$ shall extend beyond the R/W to the point of intersection with the existing driveway grade. Construction beyond the R/W line shall be done in temporary R/W.
4. Driveway culverts which cannot be located outside the clear zone shall have appropriate end sections at both ends of the culvert.
5. Driveway embankment slope within the clear zone for a road functionally classified as follows shall be:
 - a.) 6:1 for an arterial or a high speed (over 40 mph design speed) collector.
 - b.) 4:1 for a local road or a low speed (40 mph or lower design speed) collector.

INDIANA DEPARTMENT OF TRANSPORTATION	
CLASS II, IV, & V DRIVES	
APPROACH GRADES	
MARCH 20-02	
STANDARD DRAWING NO. E 610-DRIV-07	
	/s/ Richard L. VanCleave 3-01-02 DESIGN STANDARDS ENGINEER DATE
	/s/ Richard K. Smutzer 3-01-02 CHIEF HIGHWAY ENGINEER DATE