

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

GENERAL NOTES :

1. These notes are for the drawings 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 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 an appropriate load carrying grated end section 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 65 km/h design speed) collector.
 - b.) 4:1 for a local road or a low speed (65 km/h or lower design speed) collector.

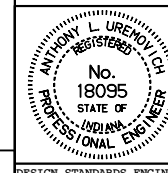
All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

**CLASS II, IV, & V DRIVES
APPROACH GRADES**

SEPTEMBER 1999

STANDARD DRAWING NO. **610-DRIV-07**



/s/ Anthony L. Uremovich 9-01-99
DESIGN STANDARDS ENGINEER DATE

/s/ Donald W. Lucas 9-01-99
CHIEF HIGHWAY ENGINEER DATE

Source Sheet: **MH2**

DESIGN STANDARDS ENGINEER