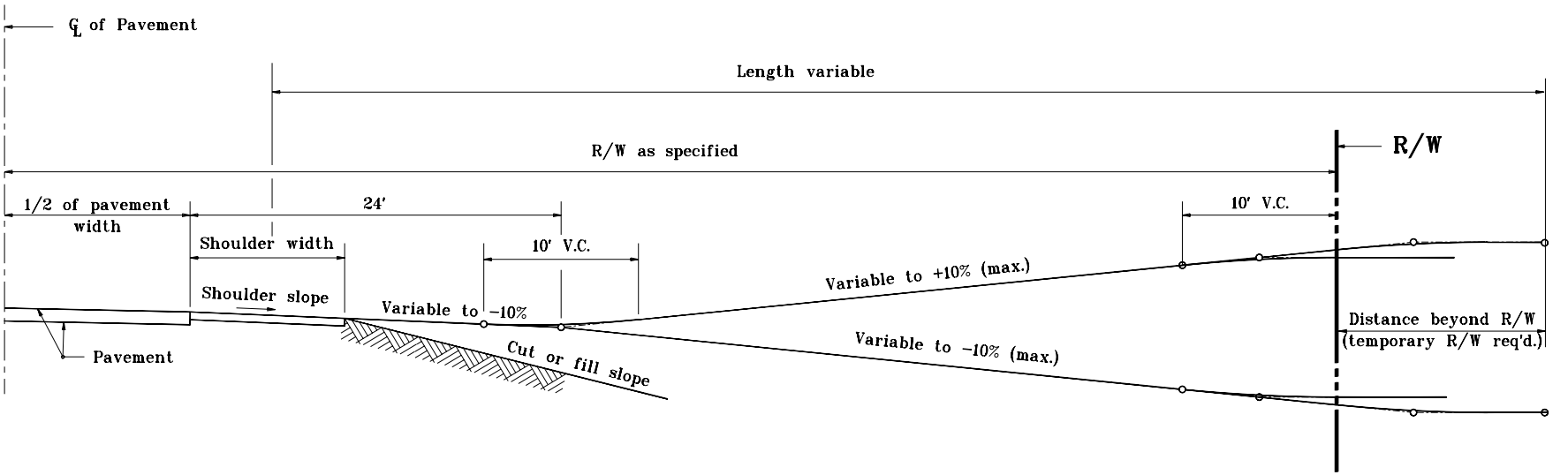

APPROACH GRADE FOR CUT OR FILL TO BE USED WITH PAVED SHOULDER

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 ±10% does not meet the grade of the existing drive before the R/W line, the approach grade of ±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**

RICHARD L. VanCLEAVE REGISTERED No. 9750 STATE OF INDIANA PROFESSIONAL ENGINEER

DESIGN STANDARDS ENGINEER

/s/ Richard L. VanCleave — DESIGN STANDARDS ENGINEER — 3-01-02 DATE

/s/ Richard K. Smutzer — CHIEF HIGHWAY ENGINEER — 3-01-02 DATE