



City of Bowie, Maryland
Department of Public Works
Department of Planning and Economic
Development
 15901 Excalibur Road; Bowie, MD 20716
 (Phone: 301-262-6200; Fax 301-809-2309)

Vertical Grade Establishment Plan Review Checklist

SITE DESCRIPTION

Project/Subdivision Name: _____

Plan Alias: _____

Tax Map No

Parcel No.

Acreage

ADC Map/Grid

APPLICANT/CONSULTANT INFORMATION

OWNER

Name

Address

City, State, Zip Code

Telephone

Email Address

SURVEY/ENGINEER

Name

Address

City, State, Zip Code

CONTRACT PURCHASER

Name

Address

City, State, Zip Code

Telephone

Email Address

Telephone

Email Address

Contact Person

LEGEND

____ Acceptable

X Not Acceptable

NA Not Applicable

R Required Not Submitted

INC Incomplete

NR Not Reviewed

PLAN REQUIREMENTS

1. Property – existing ground along property lines shown with proper symbol and labeled with survey date.
2. Topography – existing ground along proposed centerline shown with proper symbol and labeled with survey date.
3. Topography – previously established grades labeled with date of establishment and original drawing number when available.
4. Traffic ways = existing traffic ways shown and labeled.
5. Traffic ways – centerlines of intersecting traffic ways shown and labeled.
6. Traffic ways – centerline grade properly shown and labeled.
7. Traffic ways – P.V.C.'s, P.V.T.'s indicated and P.I.'s of intersecting curb lines indicated and labeled.
8. Traffic ways – grades meet minimum and maximum gradient requirements.
9. Traffic ways – tangent percents of grade shown to two decimal places.
10. Traffic ways –vertical curves meet design speed, sight distance and minimum length requirements (100'), stopping sight distance labeled on profiles.
11. Traffic ways –complete stationing at 50' minimum intervals and wherever else required.
12. Traffic ways –elevations shown at 50' minimum intervals and wherever else required.
13. Traffic ways –flowline profiles at intersection transitions from standard cross section.
14. Traffic ways –profiles carried 200' beyond – profile limits, through existing and future roads.
15. Traffic ways –200' minimum of profile repeated at breaks.
16. Traffic ways –finished centerline grade profiles shown for alleys and entrances to parking areas as required.
17. All high and low points stationing and elevation separately shown at vertical curves.
18. Clear distance between vertical curve should be greater than 100 feet, except for single reverse or compound curve.
19. Check all the requirements given in design standard requirements in Chapter 1.
20. Check maximum approach grade and maximum approach length as per standards.
21. Check the maximum instantaneous grade break at any point not greater than 0.50%.
22. Minimum length of any vertical curve, three times the design speed but no less than 100 feet.

COMMENTS
