

12.50.090 Project acceptance.

- A. The county engineer shall rely upon the certification and approval of the road and drainage plans and calculations by the applicant's engineer for approval of the project. The county engineer's acceptance of the plans shall not relieve the applicant or the applicant's engineer from any liability related to portions of the design that are not in conformance with these standards nor do not follow good engineering practice.
- B. Upon receipt of the project plans and calculations, the county engineer will review the work of the applicant's engineer for accuracy and completeness. The plans and calculations will either be accepted by the county or returned for revisions. All revisions are subject to hourly review fees as set forth in the current fee schedule. Project acceptance occurs when the county engineer signs the plans and review fees are paid.
- C. (Reserved)
- D. The acceptance of plans shall be valid for a period of three years from the date of approval by the county engineer. Construction in accordance with the approved plans must be completed within this period. If not completed within this period, the plans shall be resubmitted to the county engineer for review and any revisions or modifications necessary to meet the standards in effect at the time of resubmittal shall be made. Resubmittal fees equal to new application fees shall be paid before the plans can be reviewed and approved by the county.
- E. A traffic impact analysis shall only be valid for a period of five years from the date of approval of the development. If the project is not completed within this time period, the traffic impact analysis shall be updated and resubmitted to the county engineer for review and concurrence prior to project acceptance. Resubmittal fees equal to new application fees shall be paid before the updated analysis is reviewed and approved by the county.
- F. Requests for modifications made during the construction of a project that are not in conflict with the preliminary plat approval conditions shall be approved by the county engineer and county fire marshal, when applicable, prior to any changes being made in the field.
- G. Depending upon the nature of the modifications and in all cases where there is a conflict with the preliminary plat approval conditions, approval of the Douglas County hearing examiner will also be required as provided for in DCC Title [14](#). (Ord. TLS 09-11-49E (Exh. B) (part); Ord. TLS 04-02-30B Exh. A (part))

12.50.180 Correspondence.

All correspondence, including letters, reports, and plans, shall be clearly labeled with the county project number as assigned by the department. Submittals or correspondence without this identification number will not be accepted and will not be reviewed. (Ord. TLS 09-11-49E (Exh. B) (part); Ord. TLS 04-02-30B Exh. A (part))

12.55.020 Certification

- A. Construction plans submitted for review and comment shall be prepared by a professional engineer, registered in the State of Washington. The plans must include the following statement on the cover sheet:

These construction plans for (name of subdivision, development, or project) were prepared by me (or under my direct supervision) in accordance with the requirements of the Douglas County Road Standards

Name of Engineer
Name of Firm
Date

The statement shall be signed and stamped by the Registered Professional Engineer who prepared or directed preparation of the construction plans.

- B. Unless otherwise identified or noted, all construction plan submittals are assumed to comply with the provisions of this manual. Alternatives to these standards may be requested as set forth in Part 1. Failure to follow prescribed procedures may result in return of submittals, additional review fees, or both.
- C. Douglas County shall not be responsible for the accuracy and adequacy of the design or dimensions and elevations on the plans. Douglas County, through the acceptance of the construction plan or drainage report and other supporting documents, assumes no responsibility for the completeness and/or accuracy of the construction plan or drainage report. The cover sheet shall bear the following statement:

The engineer who has prepared these plans, by execution and/or seal hereof does hereby affirm responsibility to the County, as a beneficiary of said engineer's work, for any errors and omissions contained in these plans, and approval of these plans by the County Engineer shall not relieve the engineer who has prepared these plans of any such responsibility.

- D. The plans, reports, basin maps and calculations shall be signed, sealed and dated by the applicant's engineer. The cover sheet of the plan set and the cover sheet of all calculations shall bear the certification by the applicant's engineer that reads:

"The design improvements shown in this set of plans and calculations conform to the current edition of the Douglas County Road Standards. All design variances have been approved by the Douglas County Engineer. I approve these plans for construction."

12.55.040 Submittal Procedure

Plans for proposed road and drainage construction shall be submitted to the Department of Transportation and Land Services as follows:

- A. The first submittal shall consist of three (3) complete sets of prints together with drainage calculations and other necessary supporting information, and shall be signed and stamped by the applicant's engineer. The applicant's engineer must be a registered engineer in the State of Washington. Review fees, when applicable, shall be paid by the applicant before review of the plans by the County commences.
- B. If corrections are required, the County will return a redlined print showing necessary corrections. When corrections are required, the applicant's engineer shall return the redlined print with the corrected plans. Plans and reports submitted later than 1 year from the date that the County redlines are returned to the applicant or applicant's engineer shall be subject to additional hourly review fees in accordance with the Douglas County fee schedule.
- C. Subsequent submittals shall also contain three (3) complete sets of plans and other supporting information, if corrected. When all corrections have been made to the County Engineer's satisfaction, the original Mylar set of plans will be signed and returned to the applicant's engineer. The final plans will require stamping and signature of the applicant's engineer.
- D. The applicant's engineer shall provide the County with a good quality reproducible Mylar with the applicant's registration stamp and signature plus two complete sets of prints of the approved plans and one complete set of other supporting documentation. Where plans are prepared in an electronic format such as AutoCad or another format acceptable by the County, the applicant's engineer shall also provide copies of the electronic data files to the County. The applicant's engineer shall also provide a quantity take-off and engineer's cost estimate of proposed construction when the project is to be secured by some form of performance guarantee.
- E. Plans will be reviewed by the County according to the date they were submitted. Previously reviewed or approved plans submitted to the County for a revision will be considered a new submittal. Approved plans under construction will be considered a resubmittal and will be reviewed prior to new submittals.

12.56.040 Certification of Inspections and Testing

For all road and drainage work, other than that performed by the County on County road and drainage projects and access permits, the County requires the applicant to engage the services of a professional engineer to document and certify all inspections and testing during the construction process. It is also the responsibility of the applicant and their engineer to provide the day-to-day inspection of such work, perform such inspections and testing of materials and their placement as may be required, and to certify all such inspections and testing including compliance with the approved plans and these Standards. A daily activity diary shall be kept by the applicant's engineer or his/her designee for all days that there is road or drainage work performed on the site. Copies of all test records, inspection records and the daily diary shall be furnished to the County Engineer on a weekly basis. At the time of each of the inspections as set forth in Chapter 12.56.050, the County Engineer or his/her designee will visit the project site to review the work related to the required inspection. Such site visits do not relieve the applicant, the contractor or the applicant's engineer of any responsibilities for performing all work in accordance with the approved plans and these Standards. The County Engineer or his/her designee may also visit the project site from time to time to monitor the overall progress of the project.

12.56.050 Inspection and Notification Requirements

- A. On all road construction by subdivision ordinance and work performed within the county right-of-way, inspection of the work will be done by the applicant's engineer or his/her designees under the overall authority of the County Engineer. Unless otherwise instructed by the County Engineer, the inspections will be made by and certified by the applicant's engineer as follows:

Inspection #1. Temporary sedimentation and erosion control in accordance with approved plans.

Inspection #2. Underground storm drainage, at the stage that trenching and placing of pipe are completed but prior to cover. If the scope of the project is such that there is more than one trenching, placing and covering is required, each such sequence shall be inspected separately.

Inspection #3. Underground utilities within the right-of-way, including sewers and storm drainage, shall be inspected during backfilling for compliance with the Standard Specifications and the requirements of the utility permit issued in conformance with the Douglas County "Accommodation of Utilities Within County Road Right-of-Way".

Inspection #4. General roadway at the stage that the subgrade has been completed. If the scope of the project is such that the subgrade is completed in stages and is ready for surfacing materials, each such stage shall be inspected separately.

Inspection #5. General roadway at the stage that the gravel base has been placed and compacted and the curbing, if required, has been formed. If the scope of the project is such that the gravel base is completed in stages and is ready for additional surfacing materials, and the curbing, if required, has been formed for that section, each such stage shall be inspected separately.

Inspection #6. General roadway at the stage that crushed surfacing top course has been placed and compacted.

Inspection #7. General roadway, at the beginning of paving.

Inspection #8. Overall roadway, final, after paving, monument inspection, cleaning of drainage systems, and all necessary clean up.

Structural Inspections. Structural inspections shall be at critical stages of foundation, placement and assembly of components and final completion and tests, as directed by the County Engineer.

- B. The County shall be notified not less than three (3) working days before construction is started. The applicant is responsible for scheduling a pre-construction conference with the County. Other jurisdictions, the applicant's engineer, the applicant's contractor, utility companies, subcontractors and other necessary parties to the project shall be present at the preconstruction conference.
- C. The applicant or the applicant's engineer shall notify the County Engineer's office at least one working day in advance of the beginning of each required inspection. Failure to comply with inspection requirements may necessitate appropriate or additional testing and certification as directed by the County Engineer. Costs of such testing and certification shall be borne by the contractor, and for subdivision roads, it shall be the developer. At the time that such action is directed by the County Engineer, no further work will be permitted on the road or subdivision until all tests have been completed and all corrections have been made to the satisfaction of the County Engineer.
- D. If the contractor believes that the inspection sequence indicated above does not fit the requirements of a particular project, he/she should make a request to the County Engineer in sufficient time to permit revision to the inspection schedule.

12.56.060 Materials Sampling and Testing

Materials sampling and testing shall be at the frequency and magnitude as set forth in the WSDOT Construction Manual. In the case of plat roads, testing and sampling shall be performed by a private testing laboratory. Certified test reports shall be furnished for all tests performed by private testing laboratories.

12.56.100 Posting of Site

For all new major subdivision work and planned developments, the applicant shall post one or more signs showing the name of the subdivision or development, and the name or business name of the applicant, the applicant's engineer and the prime contractor along with a contact telephone number for each. The signs shall show the names and telephone numbers in suitably contrasting text not less than 2 inches in height. The signs shall be placed at the access point(s) from the County road to the new development and not more than 25 feet from the near edge of the County road.

12.56.110 Final Acceptance

Upon completion of all work, the applicant shall request acceptance by the Douglas County Engineer. As part of the acceptance process, the County Engineer shall review all documents including test reports, inspection certifications, daily diaries, and any notes made by the County Engineer or his/her designee during all site visits. The County Engineer, the applicant and the applicant's engineer shall conduct an on-site review of the project to ascertain the level of completeness of the project including cleanup. If the County Engineer is satisfied that the project has been completed in conformance with the approved plans, these Standards, and all other requirements that may have been imposed by means of approved change orders, he/she shall provide the applicant with a written acceptance.

12.57.020 Side Slopes

A. Side slopes shall generally be constructed no steeper than two to one on both fill slopes and cut slopes. Steeper slopes may be approved by the county engineer upon showing that steeper slopes, based on soils analysis, will be stable.

B. Side slopes shall be stabilized by grass sod, hydroseeding, or by planting or surfacing materials acceptable to the county engineer. Hydroseeding mix shall be submitted to the county for approval prior to application. Certification of application rates and methods shall be provided. A maintenance performance bond shall be provided until such time as the vegetation has been established to the satisfaction of the county.

C. Side slopes may also require flattening to accommodate utility placement.

D. Cut slopes may require terracing depending upon the total slope height and the nature of the material being cut. Cut slopes higher than fifteen feet will require a soils analysis to determine if terracing will be required.

E. Side slopes and on-site grading shall comply with Douglas County Code grading and excavation standards. (Ord. TLS 09-11-49E (Exh. B) (part); Ord. TLS 04-02-30B Exh. A (part))