

# Chapter 9

## Specifications and Construction Control

### 9-1 Specifications

All construction procedures, materials, and workmanship shall conform to the current edition of the *Standard Specifications for Road, Bridge, and Municipal Construction*, as amended by Pierce County.

When the Engineer determines that special conditions exist or nonstandard materials are needed, a Special Provision shall be written to accommodate that condition. The Special Provisions shall be made a part of the road construction plans and must be reviewed and approved by the County Engineer in conjunction with the road construction plans. In the event the Special Provisions are of such extent that incorporation of these provisions into the construction plans is impractical, then a separate Special Provision document may be utilized, provided, however, that a note identifying and referencing the Special Provisions document must be included on the cover sheet of the construction plans.

### 9-2 Engineer-in-Charge

All construction associated with a set of approved construction plans for a project shall be performed under the direct supervision of the Engineer in accordance with WAC 196-25-070 and P.C. Code 17B.30.050. Advance notice must be given to Pierce County in the event an Engineer of record change is required.

### 9-3 Traffic Control

All traffic control and traffic control devices shall be in conformance with the MUTCD. If required by the County, the Engineer shall submit temporary traffic control plans for review and approval.

During the progress of the work, barriers and traffic signs shall be erected and maintained by the Contractor as necessary, or as directed by the County Engineer, for the protection of the traveling public. The barriers shall be properly lighted when necessary.

### 9-4 Survey Control

All existing survey control monuments which are disturbed, lost, or destroyed during surveying or construction shall be referenced prior to construction and replaced or raised after construction by a Professional Land Surveyor (P.L.S.) licensed in the State of Washington and in accordance with RCW 58.09.130.

Survey control monuments shall be installed as shown on the approved construction plans in conformance with the *Standard Drawings*. The location of the monuments shall be the responsibility of a P.L.S. who shall scribe the brass portion of the monument after construction in accordance with recognized good practice in land surveying.

Survey monuments shall be required at all intersections, at the Point of Curvature (PC) and Point of Tangent (PT) of all curves, centers of cul-de-sacs, and other appropriate locations as determined necessary by the County Engineer. Monuments at the PC and PT of the curve may be eliminated and replaced with a monument at the Point of Intersection, if the Point of Intersection falls within the paved roadway surface.

For formal recorded documents containing a surveyor's certificate, monumentation and staking shall be placed by the responsible surveyor in accordance with the certificate and the Survey Recording Act.

## **9-5 Changes to Approved Plans**

From time to time, field conditions encountered during construction require modification to the design contained in the approved construction plans. Prior to making any adjustments or changes to the approved construction plans, the Engineer shall first receive approval from the County Engineer utilizing the procedures contained in the *Pierce County Stormwater Management and Site Development Manual*.

## **9-6 Record/As-Built Drawings**

When a project constructed as a public facility has been completed, the Engineer shall prepare as-built drawings that document the project as actually constructed. These drawings shall be submitted to the Office of the County Engineer and made a part of the permanent record. The Engineer shall also provide to the County Engineer a report verifying that all facilities have been constructed in accordance with the approved plans or approved plan changes and specifications for that project.