

## S1.01 General

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WSDOT deliverables are created using established survey, engineering, and drafting standards and requirements set by the State Design Office. The symbols and conventions listed in this section are intended to comprise all of the standard symbols necessary for the preparation of deliverables for WSDOT. Adherence to these standards is essential to ensure the uniformity of plans produced throughout and for the WSDOT.

Any questions regarding the use of CADD applications to accomplish WSDOT standards should first be forwarded to WSDOT CAE Support ([hqcaehelpdesk@wsdot.wa.gov](mailto:hqcaehelpdesk@wsdot.wa.gov)). Questions about the standards themselves should be sent first to the Disciplines' owner (such as HQ Hydraulics for Drainage Elements or HQ Traffic for Traffic Signals, etc...), then to WSDOT CAE Support. Project specific resources not covered by the standards should be forwarded to the WSDOT Plan Reviewer assigned to your project.

All deliverable symbology must have either a Feature Definition or Element Template assigned.

#### **S1.01(1) Feature Definitions**

All standard deliverable symbology is represented by WSDOT provided OpenRoads Feature Definitions and Element Templates.

The highest level of control and function is the Feature Definition. Feature Definitions should be used if available – using civil tools to place features.

Feature Definitions are available through the various tools, however, depending on the tool selected, only those Feature Definitions that are associated with that tool are presented for selection.

A listing of applicable feature definitions is included in each Symbology section of this manual representing each discipline.

#### **S1.01(2) Element Templates**

Element templates are a secondary level of control and are a component of standards compliance. They incorporate the level, color, line style, line weight, and other controlling attributes such as text styles, cells, etc.

A listing of applicable element templates is included in each Symbology section of this manual representing each discipline.

**S1.01(3) Text Styles**

Many feature definitions include combinations of text elements with varying text styles assigned. Annotating these feature definitions will automatically apply the standard text styles for each type of associated text per WSDOT standards.

Some element templates have the appropriate text style assigned. Selecting the element template and placing text would automatically set the appropriate text style.

Some element templates do not have the text style assigned due to a reference or connection to feature definitions. In this case, selecting the element template does not set the text style automatically and it needs to be set manual per the appropriate Symbology section of this manual.

All text elements should have a WSDOT standard text style assigned per this manual.

The text styles indicated in this manual represent standards that will produce readable plans. If a plan sheet becomes too crowded to place text at the minimum text size, a smaller text may be used at the discretion of your WSDOT Plan Review representative.

**S1.01(4) Levels**

Standard levels remain to be a base method of organizing data. However, the Feature Definitions and Element Templates control level assignments.

Setting the active level manually should not be practiced for standard deliverables. Set either Feature Definitions if available or Element Templates.