

# VDOT CADD MANUAL

## CHAPTER 6

# CONTENTS

6	Quality Assurance & Quality Control .....	6-1
6.1	LD-436 Checklist .....	6-1

# 6 QUALITY ASSURANCE & QUALITY CONTROL

VDOT has developed a detailed CADD workspace complete with detailed standards for all required components of the electronic design files. This includes the introduction of named levels for most disciplines and the creation of Feature Definitions that automatically establish the correct symbology for elements when applied. These named levels and feature definitions include preset ByLevel symbology for color, line style, and line weight. VDOT has also developed an extensive library of standard cells which are used to represent items, features, and patterns on plans. Detailed instructions and processes are provided for each discipline's levels and cells, which describe the requirements needed to produce plans and documents to meet each disciplines' standards for appearance and content. These standards simplify the process for developing designs and drawings and ensure correct labeling.

While these standards reduce the likelihood of errors in these areas, designers must still exercise care in implementing the standards to ensure that the plans meet the requirements set forth by VDOT and the design division manuals. Plans meeting these requirements should be able to be clearly read and understood by plan reviewers, other agencies, and contractors.

## 6.1 LD-436 CHECKLIST

VDOT has developed the LD-436 Checklist as described in Chapter 1E of the Road Design Manual. This checklist includes a list of the items which should be present on the plans for each discipline and major milestone submissions. The checklist also includes a detailed checklist of all of the CADD files that must be included with each milestone submission and archived. The checklist must be submitted to the VDOT Project Manager with each milestone submission. For additional information regarding the [LD-436 Checklist](#), refer to [Road Design Manual Chapter 1E](#).