

ODOT Office of CADD and Mapping Services
Location and Design Manual, Volume 4
January 2026 Revisions

Revision Type	Reference	Section Description	Description of Revision		Primary POC
Preface					
L&D, Volume 4	Glossary of Terms	Coordinates Grid Scale Factor Lambert Conformal Conic NAD83 (2011) Transverse Mercator	Definitions added		Office of CADD and Mapping
Section 2000 Survey and Mapping Specifications					
L&D, Volume 4	2004.1	Horizontal Positioning	Added reference of Section 2100 for more information on the Ohio County Coordinate System.		Office of CADD and Mapping
L&D, Volume 4	2006.2.2.5	Observation Methods to Establish Control on Path 1 through 3 Projects	Bullet point was added to RTK Surveys: Establish a base receiver by collecting using 5-second observations at a 1-second epoch rate. Collect a minimum of 12 observations on one control point as in the ODOT RTN Survey method above.		Office of CADD and Mapping
L&D, Volume 4	2006.3.5	Leveling Adjustments	Added direction on correcting the closing error.		Office of CADD and Mapping
L&D, Volume 4	2008.4	Deliverables	Added deliverable: Signed and Sealed Surveyors certification plan sheet to be inserted into the overall plan package when complete. Note: This change is pending leadership approval.		Office of CADD and Mapping

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L&D, Volume 4	2008.4.1 (heading changed from Surveyor's Certification Statement to Surveyor's Certification Plan Sheet)	Surveyor's Certification Plan Sheet	Detailed process of signing and sealing the Surveyor's Certification Plan Sheet. Note: This change is pending leadership approval.		Office of CADD and Mapping
Section 2100 Ohio County Coordinate System					
L&D, Volume 4	2100	Ohio County Coordinate Systems (OCCS)	The Placeholder information was removed and OCCS section was replaced with the Introduction, Zone Parameters with Low Distortion Map Projections table and Test Points with table.		Office of CADD and Mapping
Section 2200 Subsurface Utility Location Services					
L&D, Volume 4	2208.5	Surveyor's Certification Statement	Appendix I reference removed.		Office of CADD and Mapping
Appendices					
L&D, Volume 4	Appendix F	Geodetic/Project Control Monuments	Updated diagram "Type A" with revised RM-1.1 concrete monument detail. "Type B" diagram was updated with Metric measurements removed.		Office of CADD and Mapping
L&D, Volume 4	Appendix I	Surveyor's Certification Statement	Appendix I was changed from showing an example of the Surveyor's Certification Statement to showing the Surveyor's Certification Plan Sheet. Note: This change is pending leadership approval.		Office of CADD and Mapping