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Nota di contenuto	Front Cover; Copyright; Contents; Acknowledgments; Foreword; CHAPTER 1: Introduction; History; Early Standard Setting; More Recent Efforts; Philosophy of Residential Street Design; Public and Private Streets; Applications; CHAPTER 2: Design Considerations; Functional Classification System for Streets; Types of Traffic Flow; Emergency Vehicle Access; Traffic Volumes and Residential Dwelling Units; Neighborhood Access to Adjacent Street System; Street Layout and Platting; Principles of Street Layout; Number of Lanes; Pavement Widths; Right-of-Way Widths; On-Street Parking; Off-Street Parking Alleys; Design Speed; Gradients; Vertical and Horizontal Alignments; Dead-End Turnarounds; Shared Driveways; Streetscape; Pedestrian and Bicycle Access; Curb Cut Ramps; Curbs; Traffic Calming; CHAPTER 3: Intersections; Geometry of Intersections; Intersection Angle; Traffic Circles and Roundabouts; Intersection Spacing; Curb Radius; Vertical Alignment on Intersection Approaches; Corner Sight Distance; CHAPTER 4: Streets as Drainage System; Closed and Open Systems; Street and Curb Cross-Sections; Runoff Amounts; Criteria for the Spread of Water across Streets; Flow across Intersections Ponding at Low Points in Grade; Maximum Velocity in Gutters; Block and Lot Grading; Cut-and-Fill Embankment Slopes; CHAPTER 5: Pavement; Subgrade; Base; Wearing Surface; Life-Cycle Cost Analysis;

References; Index; Back Cover

Sommario/riassunto

Taking a practical approach to planning and designing streets in master-planned, new urbanist, and other subdivisions, this book offers a fresh look at street widths, geometrics, traffic flow, intersections, drainage systems, and pavement.