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## Golf Course Irrigation: Environmental Design and Management Practices

By Barrett, James; Vinchesi, Brian; Dobson, Robert; Roche, Paul; Zoldoske, David

Wiley, 2003. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface. 1. Plant Irrigation Requirements. Soil-Water-Plant Relationships. Evapotranspiration. Turf Types. Sources. 2. Water Supply: Quantity and Quality. Sources, Withdrawal Permits, and Water Rights. Municipal Sources. Surface Water. Groundwater. Combined Sources. Alternative Sources. Water Quality. Cross Connection, Backflow Prevention. 3. Pump Systems. Pump Types. Pump Sizing. Motors. Controls. Variable Frequency Drives. Pump System Safety Circuits. Pressure Relief Valve. Remote Monitoring. Power. Intakes and Discharges. Pump Houses. Injection and Filtration. 4. Materials. Pipe. Fittings. Isolation Valves. Specialty Valves. Valve Boxes, Reach Wells. Sprinklers. Quick Coupling Valves. Swing Joints. Control Systems. Remote Control. Line Conditioners/Voltage Stabilizers. Uninterruptible Power Supplies. Weather Stations. Wire. Lightning Protection. Sources. 5. Design. Preliminary Procedures. Standards and Codes. Computer Software (CAD). Coverage. Subsurface Drip Irrigation. Surface Drip-Micro-Irrigation. Spacing. Uniformity. Communication Alternatives. Basic Hydraulics. Pipe Routing. Energy-Water Relationship (Friction Loss). Isolation. Basics of Electricity. Power Wiring. Communication Wiring. Zone Wiring. Protection Procedures. Related Systems. Project Documents. Scheduling. Programming. Weather Stations and Sensors. Sources. 6. Construction Management. Cost Estimating. Bid Procedures.

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