

EROSION CONTROL ANALYST

DEFINITION

Under general supervision in the Land Conservation Department, responsible for reviewing and implementing erosion control plans and providing professional assistance to municipal officials, developers and consultants for land disturbing activities in Dane County. Provides engineering support in planning, design and application of polymers, natural fibers and alternative practices for erosion control. Assists the United States Natural Resources Conservation Service (NRCS) with wetland delineation and restoration designs.

EXAMPLES OF DUTIES

Work with consultants, municipalities and developers to design, review and implement erosion control plans. Provide technical and informational support to local communities concerning erosion control and water quality issues. Present erosion control conference and workshops to educate and train professionals. Design conservation practices for implementation on the land. Conduct surveys and compile notes to create topographic maps of sites. Determine and design the most cost-effective practices to alleviate or prevent concerns over water quality and quantity or soil erosion. Survey, design and construct wetland restoration projects. Assist the NRCS in making certified wetland determinations and delineations as part of the National Food Security Act of 1985. Use GIS software to maintain farm tract and field coverage and soil databases. Assist the Dane County Drainage Board with mapping and administration of the legal drainage districts in Dane County. Research legal records to map district boundaries.

EMPLOYMENT STANDARDS

Education and Experience: Any combination of training and experience equivalent to a bachelor's degree in one of the following areas: soils, agronomy, forestry, engineering or natural resources conservation and one year experience in the professional application of erosion control practices. Experience using GIS software preferred.

Knowledges and Abilities: Knowledge of erosion control designs, planning and implementation; effective public oral and written communication skills; knowledge of prediction and least cost methods and approaches; General computer and GIS software knowledge; surveying and inspection skills and techniques.

Special Requirements: Possession or eligibility for a Wisconsin driver's license and access to personal transportation.