

CEDAR RIDGE SUBSTATION FLOODPLAIN DELINEATION, CIVIL SITE DESIGN, STORMWATER MANAGEMENT

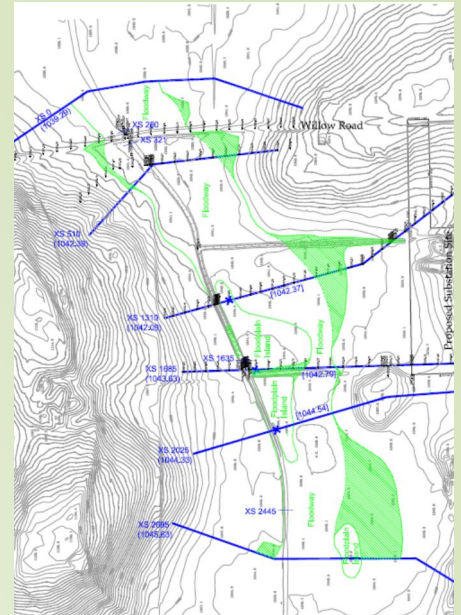
SUBSTATIONS

FOND DU LAC COUNTY, WISCONSIN

Cedar Ridge Substation is part of the Cedar Ridge Wind Farm Project in Fond du Lac County, Wisconsin. The proposed substation site was located within the regulatory floodplain of an unnamed tributary. No detailed study had been completed, so during initial site planning, MARS completed a floodplain delineation, which concluded that the site was in fact not in the floodplain.

MARS, in close coordination with the electrical design consultant, created the site grading plan for the substation incorporating several site constraints such as existing and proposed transmission line facilities, regulatory wetlands, steep slopes, and poor soil conditions. The site was also subject to State and County stormwater management and erosion control requirements. MARS designed and incorporated the stormwater facilities into the grading plan, and quickly received approval from both the State and County.

The site construction was recently completed, and MARS is currently working with the client as part of the County permit requirements to obtain as-built certification for the substation drainage and stormwater facilities.



Floodplain Map created by MARS

Client

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Project Managers

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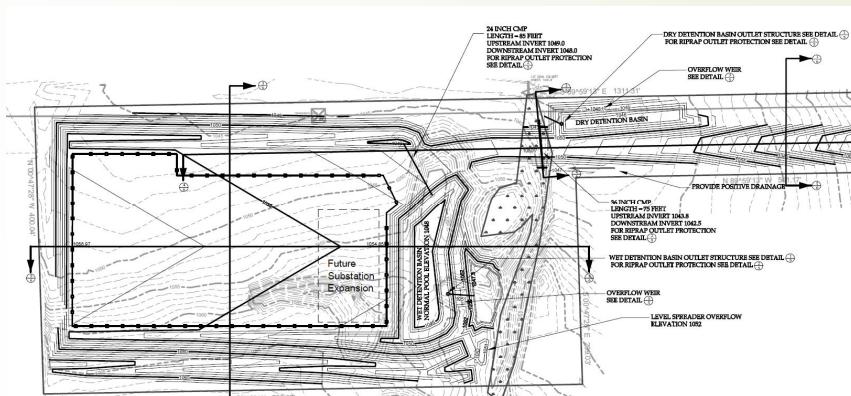
Linda Severson

Collaborators

Electrical Consultants Inc. (Madison, WI)

Project Schedule

2007



Grading, drainage, and stormwater plan created by MARS