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Client

Elder Engineering
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Project

Schwendimann Residential Subdivision,
Hartford, Wisconsin

Overview/Description

SSE assisted Elder Engineering, LLC with the stormwater and drainage plan, storm sewer and stormwater management plan for a new subdivision adjacent to Pike Lake State Park.

Concerns/Challenges

- Site is surrounded on two sides by State Natural Areas and State Park.
- Runoff from the development drains to an existing neighborhood area
- Clay and silt soils do not allow for infiltration

Actions Addressing Challenges

- Flows from a design 100-year storm event were checked to ensure no flooding of existing adjacent neighborhoods.
- A wet stormwater detention pond was designed to meet the water quality and discharge control rules.
- DNR required infiltration where possible. Soils onsite didn't allow for infiltration, so a constructed wetland took the place of infiltration.
- SSE prepared the stormwater management plan which includes an evaluation of the existing and proposed site flows and water quality, to meet the City of Hartford requirements.
- Wildlife habitat in wetland and pond allows for continuation of natural setting from State Park and Natural area.



Aerial Photo of Post-Development Subdivision



Constructed Wetland and Stormwater Detention Pond



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