

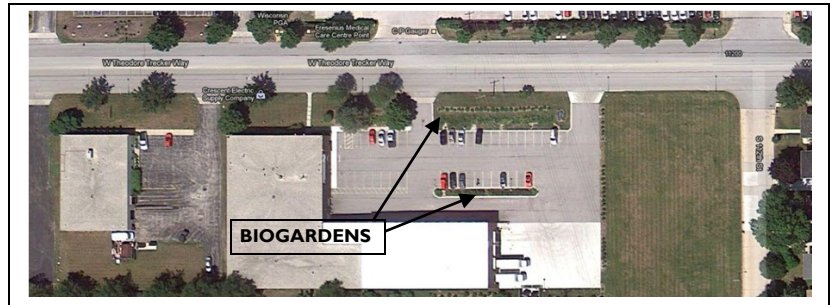
Providing Quality Engineering For Our Water Resources Since 2002

Client

Crescent Electric Supply, West Allis, Wisconsin
 Contact: Dave Saeugling, Corp. Facilities Manager
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Project

Building expansion required stormwater management for proposed site



Aerial Photo highlighting BioGarden Areas

Overview/Description

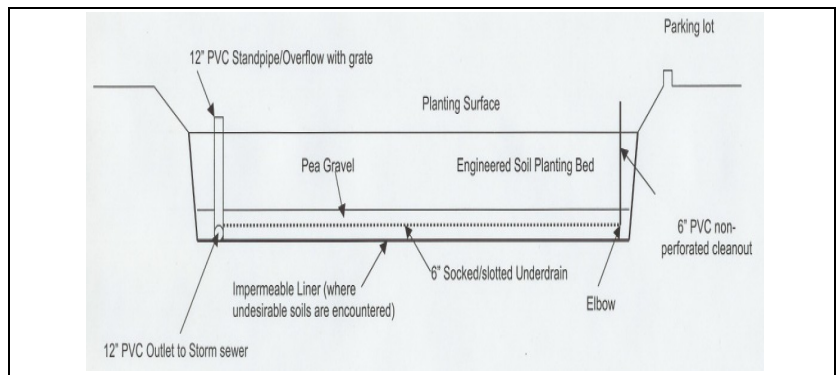
Crescent Electric Supply contracted with Stormwater Solutions Engineering, LLC to prepare a stormwater management plan (SWMP) for the proposed building expansion. The SWMP proposed stormwater biofiltration devices to control and treat stormwater runoff.

Concerns/Challenges

- Increased building and pavement size creates an increase in stormwater runoff and decrease in water quality
- Site constraints did not allow for stormwater detention ponds or other traditional methods
- Stormwater management plan required by the City of West Allis required control of flows and water quality from the site.

Actions Addressing Challenges

- SSE prepared the stormwater management plan which includes an evaluation of the existing and proposed site flows and water quality. A report was presented to Crescent Electric Supply and the City of West Allis.
- Along with the Stormwater Management Plan, SSE designed two biofiltration devices (Biogardens), collecting water from all areas of the park and rooftop and treating it through infiltration and plant root uptake
- Use of Wisconsin native landscaping within the raingardens allows for low-maintenance attractive, landscaping.



Design Profile of Biogardens



Biogardens-Post Construction



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