



Park View Storm Water Quality Grant Opportunity

In anticipation of the upcoming sanitary sewer improvements, the Park View Water and Sanitary District (PVWSD) has applied and been approved for a low interest loan through the Iowa Department of Natural Resources (DNR). That DNR loan program includes a competitive grant opportunity, where communities can propose storm water improvements that will further enhance the DNR's goal of improving water quality. If awarded to a community, this grant money can be used to fully pay for design and construction of these storm water quality improvements. We're happy to report that a \$500,000 grant was awarded to PVWSD.

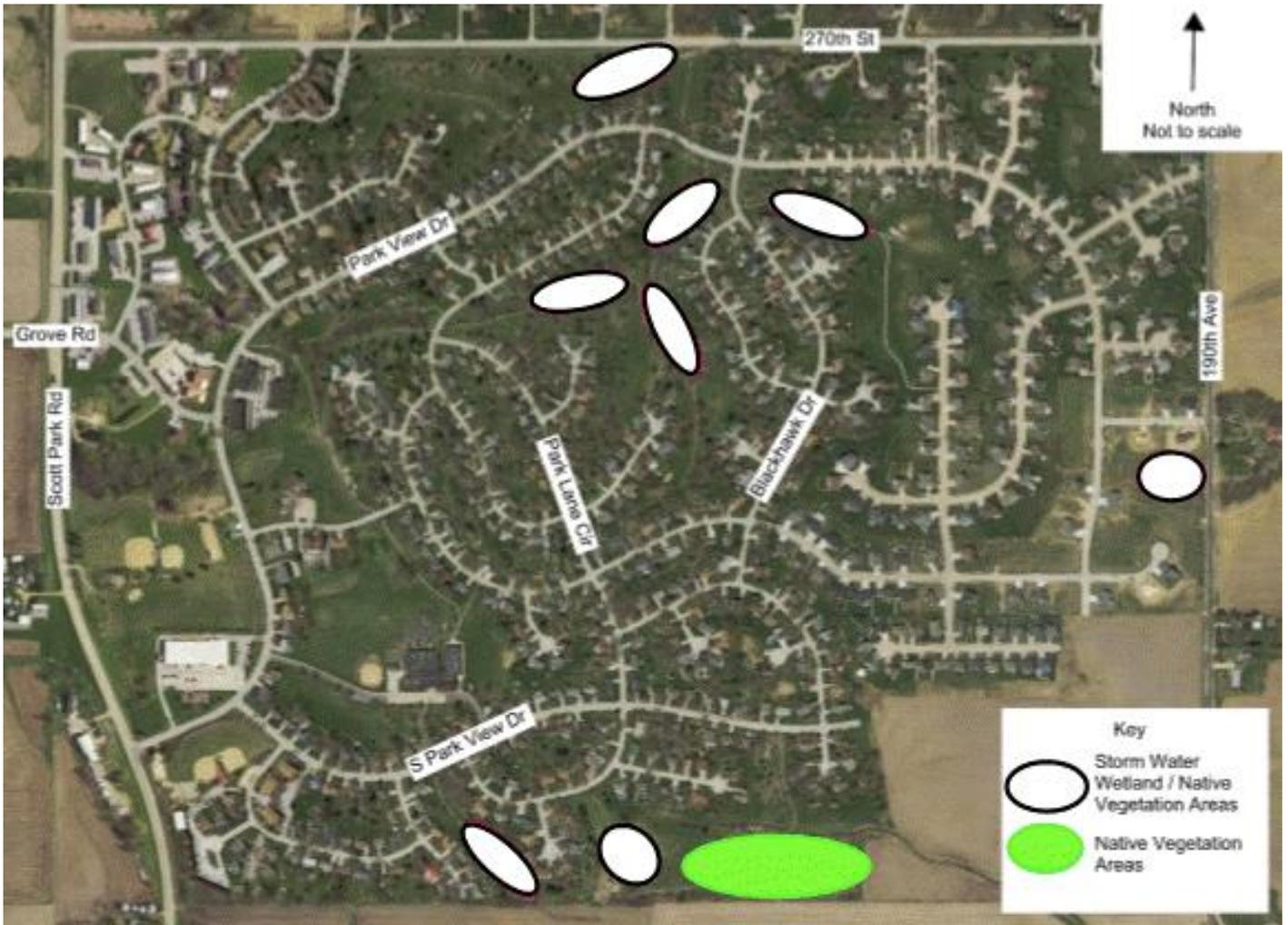
However, PVWSD only owns the land occupied by water and sewer treatment operations while the grant application to construct these water quality improvements applies to the drainage ways in the green spaces, land owned by the Park View Owner's Association (PVOA)

That's where the homeowners come in. In order to receive the grant and construct the improvements, the members of the PVOA would need to allow the PVWSD to construct these improvements on PVOA land, and accept the maintenance associated with the improvements. This would require a vote consisting of 2/3 of all the members voting, with a majority voting yes. This vote is only for the acceptance or refusal of the grant money, not the loan amount required under the PVWSD's low interest sewer improvement loan.

The storm water quality improvements proposed would primarily consist of a series of storm water wetlands throughout the community. Additionally, areas of native plantings could be installed in combination with the wetlands or as standalone prairies.

A map showing the proposed project areas is attached. Be aware that the proposed wetlands will not occupy the entirety, or even a majority, of the areas circled, those are just the drainage ways where the wetlands could be located. Typically a storm water wetland area will occupy approximately 5% of the area that drains to it.

We appreciate your consideration of this exciting opportunity. If you have any questions, feel free to reach out to a representative of PVOA or PVWSD. Thank you!



Proposed project locations



Storm Water Wetland Examples

STORMWATER WETLAND COMPONENTS

1 Forebay: Eroded soil is captured from incoming runoff before entering the wetland. Over time, buildup of eroded soils can be removed from the forebay allowing for easier maintenance. This prevents damage to the wetland and plants and increases overall longevity of the wetland.

2 Microtopography: A series of small berms and depressions designed to increase the distance water has to travel. This “stormwater maze” forces water to weave slowly through the wetland promoting pollutant removal.

3 Areas of Shallow Water: Varying depths of water promote plant growth allowing for biological uptake which helps remove pollutants.

4 Pools: Deep pools reduce the suspension of sediment, reduce thermal pollution, and increase habitat.

5 Outlet: A primary function of a stormwater wetland is to help slow down stormwater. Aligning with this goal, the outlet of the wetland is intentionally designed to release water slowly to improve downstream environmental conditions.

