

FINAL REPORT SUMMARY

FAIR OAKS BASIN

GROWING GREENER GRANT – DOCUMENT NUMBER C990000669

GRANT AMOUNT: \$165,500

Location

Latitude: 40.174, Longitude: -75.122

Address: Skrobol Road, Hatboro, PA 19040

Upper Moreland Township, Montgomery County

Narrative

The Fair Oaks Park stormwater basin project began construction in November 2020 with earthwork and utility installation continuing throughout the winter and construction concluding in the Summer 2021.

The project consists of construction of a bio-infiltration stormwater basin, with capacity to store 325,000 cubic feet of runoff, to capture and treat runoff from a 47.6-acre drainage area.

Water quality improvements in the Pennypack Creek Watershed are realized by the bio-infiltration basin in three specific ways. First, native vegetation in the basin bottom functions to filter out pollutants picked up by the “first flush” of runoff during a rain event. Second, runoff volume is removed by infiltration into the subsoil and evapotranspiration by the native plantings. Lastly, runoff rate reduction serves to lessen the impact of bank erosion in the downstream waterway. Calculations using the PA DEP approved MapShed program can be found in the Township’s approved Pollution Reduction Plan. The calculations estimate approximately 30,000 lbs. of sediment per year will be removed from the Pennypack Creek watershed because of the project.

Project Cost & Funding

Total Construction Cost: \$935,440.96

Additional funding was received for the project through Montgomery County 2040 Grant (\$195,000) and PA DEP Growing Greener (\$165,500). The remaining construction costs (\$374,940.96) was paid for by Upper Moreland Township using general funds.

