

**Project Description** - This project involves the construction of a bioswale downstream of an existing urban discharge. This project implemented stormwater management on 29 acres of urban land that currently does not have any. Through treatment and infiltration, the bioswale will reduce runoff volumes, increase infiltration, and improve water quality.

**Project Timeframe** – December 31, 2020 through December 31, 2022

**Project Goals** - In order to improve water quality to the UNT to the Schuylkill River and comply with MS4 requirements, the Borough has installed a bioswale to remove sediment and nutrients. Based upon the bioswale evaluation, the required reduction of pollutants will be achieved.

**Pictures** –



**Project Results** - The goal of this project was to design and construct a bioswale to address sediment and nutrient removal from urban runoff. The anticipated removal shall be 1.29 tons of sediment, 370lbs of nitrogen, and 18lbs of phosphorus annually. The removals documented previously were determined using Guidance from PADEP on bioswale design as part of the MS4 Program.

**Project Costs** - \$42,200 Growing Greener plus an additional \$17,826 in match funds.

**Partners** – PADEP

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