MANHEIM BOROUGH
15 EAST HIGH STREET
MANHEIM, PA 17545

HAMAKER RD & HERSHEY DR
STORM DRAINAGE IMPROVEMENT PROJECT

PROJECT DESCRIPTION

(a) Detailed project description

Manheim Borough proposes the replacement of an existing, failing storm sewer along Hamaker Rd. and installation of a new storm sewer system along Hershey Dr.

Hamaker Road
The existing corrugated metal storm sewer along Hamaker Road has deteriorated significantly and collapsed in some areas. This is resulting in erosion of the soil backfill at the collapsed areas, which eventually enters the Chiques Creek. The storm sewer is located under the existing sidewalk, which is settling in places, creating tripping hazards and impeding ADA accessibility; therefore, sidewalks will be replaced and upgraded ADA access provided at the same time. An existing retaining wall at the pipe outlet has partially collapsed and will be replaced.

Hershey Drive
New storm sewer is proposed to be installed along Hershey Drive where no existing drainage facilities currently exist. Stormwater runoff currently travels along the roadway surface, which does not meet current safety and drainage standards. This is especially important since Hershey Drive abuts the Manheim Central High School campus and experiences school-related traffic. Furthermore, residents along this block of Hershey Drive have historically experienced flooded basements on a regular basis. The proposed drainage pipes will be installed as a combination storm sewer/underdrain to help mitigate these groundwater concerns.

(b) The specific location of the project area

Hamaker Road - between North Point Drive and Hershey Drive

Hershey Drive - between Hamaker Road and E. Adele Avenue

(c) Economic development impact

The project is expected to create four (4) full time construction jobs for a three (3) month period.

(d) Estimated start and end dates of construction

Construction is anticipated to begin in July 2023 and end September 30, 2023 depending upon the availability of funding.

(e) Names of municipalities that will participate in and benefit from the project

Manheim Borough will be the primary municipality that participates in and benefits from the project. However, Hershey Drive is also immediately adjacent to the Manheim Central High School and Middle School campuses, so it is a benefit to the entire region.

(f) Project promotes efficient management of water resources and protects the health and safety of citizens of the commonwealth

This project improves the health and safety of citizens of the commonwealth by providing water quality improvements to the Chiques Creek by stopping ongoing erosion within the deteriorated storm pipe along Hamaker Road. It will also replace a deteriorated retaining wall located at the end of the Hamaker Road storm sewer, within an unnamed tributary to the Chiques Creek. If the retaining wall fails before funding is secured, additional sediment pollution will enter the Chiques Creek, negatively impacting the recently completed stream stabilization project, and eventually impacting the Chesapeake Bay.

The new storm sewer along Hershey Drive will improve safety by removing on-street stormwater flows from vehicular travel areas and conveying those flows within the new storm pipe. This will also help protect pedestrians and the nearby residences which are negatively impacted by water spray from passing cars.

(g) Sound management practices to enhance long-term sustainability

Manheim Borough uses innovative and proven management practices to operate the municipal separate storm sewer system (MS4). The Borough enforces its Stormwater Management Ordinance which regulates the construction, operation and maintenance of new and existing stormwater facilities within Manheim Borough. The Borough also performs regular maintenance on the system such as cleaning, repairing and replacing deteriorated facilities. The Borough recently completed restoring

approximately 3,000 linear feet of floodplain for the Chiques Creek and plans to restore an additional 900 linear feet in 2023. Floodplain restoration has proven to be one of the most cost effective and sound stormwater management practices for reducing pollution and protecting the waters of the Commonwealth.

(h) Serves existing populations or new development

The Hamaker Road and Hershey Drive drainage improvements will primarily serve existing populations.