

Lower Makefield Township Project Fact Sheet

Highland Drive Drainage Improvements Project

Project Description

Lower Makefield Township is replacing the existing culvert located along Highland Drive. The current culvert is aged and in need of replacement.

This project will:

- Replace the existing culvert;
- Rehabilitate and expand the existing storm sewer system;
- Provide additional controlled stormwater flow capacity; and
- Restore the surrounding streambanks and roadway areas impacted by construction.

Contractor: James D. Morrissey, Inc.

Contract Award: Publicly bid and awarded at a total cost of \$985,777.00

Project Location

- Site: Near 1 Highland Drive, where the roadway crosses a tributary to the Delaware River.



Project Oversight

- Lower Makefield Township
- Kyle Turner, P.E., Project Manager Herbert, Rowland & Grubic, Inc. (Township Engineer)

Utility Coordination

Work will be performed in coordination with PECO Natural Gas (PECO) and Pennsylvania American Water (PAW), who will be completing utility improvements/relocations in the project area. Coordination of

schedules and activities will minimize impacts to residents and ensure the long-term reliability of both the culvert and underground utilities.

Scope of Work – Overview

- Mobilization: Contractor set-up, permitting, and culvert delivery.
- Traffic Control: Detours, signage, and barriers per approved plan.
- Erosion & Sediment Control: Compliance with Pennsylvania Department of Environmental Protection and Bucks County Conservation District standards.
- Easement Access & Site Clearing: Clearing of trees and invasive species, streambank preparation.
- Streamflow Diversion: Temporary cofferdam for in-stream work.
- Culvert Replacement: Removal of existing culvert and installation of 16' Span CON/SPAN O-Series Box Culvert with retaining walls and wingwalls.
- Storm Sewer Improvements: Replacement of storm pipes and structures, with temporary and permanent roadway restorations.
- Concrete Curb & Pavement: Removal and replacement of curbing, permanent roadway reconstruction, milling, and paving.
- Landscaping & Restoration: Streambank stabilization, seeding, matting, and tree replacement.

Tentative Schedule

(subject to weather and utility coordination)

- September 2025 – Pre-construction coordination with PECO and PAW.
- September 15, 2025 – Advance detour signage posted
- September 23, 2025 at 7pm at the Township Building—Pre-construction Community Meeting
- September 29, 2025—January 8, 2026—Closure of Highland Drive from its intersection with Taylorsville Road to Upton Lane and detour
- October 2025 – Contractor mobilization, site clearing. Culvert demolition, and utility relocations.
- November 2025 – Storm sewer installation, roadway base repair, curbing, and streambank restoration.
- December 2025 – Installation of new culvert, retaining wall, and temporary pavement.
- January 2026 – Roadway open for traffic.
- May 2026 – Final paving, landscaping, and project completion.

Project Benefits

- Roadway Safety: Enhanced structural integrity of the culvert crossing.
- Environmental Protection: Erosion controls and streambank restoration protect water quality and habitats.
- Infrastructure Resilience: Long-term improvements to stormwater management and roadway.

Additional information may be obtained on the Township website at www.lmt.org. Questions and/or concerns can be directed to admin@lmt.org or by calling (267) 274-1100.