



MUNICIPALITY OF PRINCETON

Department of Infrastructure
& Operations

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MEMORANDUM

To: Mayor and Council
From: Deanna Stockton, *Deputy Administrator*
Subject: Agreement with SWM Consulting LLC for Professional Engineer Services Related to Lower Mountain Lake, Regional Detention Basin G, and Smoyer Park Dams
Date: March 18, 2026

Council's consideration of the attached resolution to authorize a professional services agreement with Storm Water Management (SWM) Consulting LLC for dam inspection services at its March 23, 2026 Council meeting is appreciated.

The Municipality of Princeton owns and maintains the following five dams of various classes:

- Mountain Lakes Upper Dam (28-67) – Hazard Class III
- Mountain Lakes Lower Dam (28-68) – Hazard Class II
- Mountain Lake Upper Settling Pond – Hazard Class III
- Smoyer Park Dam (28-174) – Hazard Class II
- Regional Detention Basin G (28-134) – Hazard Class II

Class III are defined as Low-Hazard Potential. Failure of the dam is not expected to result in loss of life and/or significant property damage. Class II dams are defined as Significant-Hazard Potential. Failure of the dam may result in significant property damage; however, loss of life is not envisioned.

The New Jersey Department of Environmental Protection Bureau of Dam Safety requires that dam owners conduct regular and formal inspections and reporting on a prescribed interval. At this time, the following scope of work is proposed for the Lower Mountain Lake, Regional Detention Basin G, and Smoyer Park dams to maintain compliance with the requirements:

- Formal inspection
- Calculation and evaluation of each facility's performance based on the new Probably Maximum Precipitation and Spillway Design Storms
- Inspection Report preparation, including recommendations for improvements if needed, and submittal to the Bureau of Dam Safety
- Updates to the O&M Manuals and Emergency Action Plans

In consideration of the above, it is recommended that Princeton enter into a professional services agreement with SWM Consulting in the not to exceed amount of \$76,728.00 for the services specified.

Please contact me if you have any questions.