

TOWNSHIP OF WEST WINDSOR

Community Development Department

Division of Engineering

MEMORANDUM

TO: Marlena Schmid, Business Administrator

FROM: Francis A. Guzik, PE, CME, Township Engineer

COPY: Mayor Shing-Fu Hsueh
Sharon Young, Municipal Clerk
M. Patricia Ward, Director of Community Development

SUBJECT: Little Bear Brook Flood Study and
Redevelopment Area Regional SWM Plan

DATE: May 20, 2015

I am pleased to transmit with this memorandum the following reports:

- Little Bear Brook Flood Hazard Assessment, Phase I – Little Bear Brook and Millstone River prepared by SWM Consulting of Ringoes, NJ and dated May 15, 2015.
- West Windsor Redevelopment Area Regional Stormwater Management Analysis and Build-out Report prepared by Princeton Hydro, LLC of Ringoes, NJ and dated May 2015.

As you are aware, the two goals of the project were:

Goal 1: Little Bear Brook (LBB) Flood Study

Public meetings and property owner surveys, review of watershed studies, hazard assessment, risk assessment including critical facilities, mitigation strategies, structural projects assessment including concept raising of Alexander and Washington Roads, channel flow assessment, Summary Action Plan and public presentation. Supplemental surveying of the FF elevation of structures in the LBB flood plain.

Goal 2 : Redevelopment Stormwater Management Plan

Aerial topographic mapping of Redevelopment Area and Goal 1 hazard properties in LBB, overlay of GIS parcels, photography, constraints mapping, Redevelopment zoning and infrastructure, soils, etc. with full buildout analysis of stormwater runoff impacts, concept basin locations, preliminary basin designs and soil studies, summary report and public presentation.

The representatives from SWM Consulting and Princeton Hydro worked closely with Township staff to develop the study format, and in particular the property owner questionnaire. Some changes occurred in developing both reports. The Little Bear Brook Flood study benefitted by

the occurrence of a minor flood event mid-study, which occurred April 30th - May 1st last year. That latter study also attributes some of the more frequent nuisance flooding on Washington and Alexander Roads to the storm sewer systems, and remaining project budget will be used in assessing improvements to those systems as a Phase 2 report. For the Redevelopment Area study, there was an omission of the site soils work due to the issues with private property ownership and on-going discussion on use designations with some of those owners. As such, the Redevelopment Area report utilizes USDA soil survey results and contains a footnote recommending site specific soil assessments be performed when possible.

The two studies will be made available on the Township website with hard copies available for public viewing through the Clerk's office or Engineering office. Hard copies will also be placed in Council's chambers for members of Township Council to review and will be provided to the Environmental Commission for their review.

The next step requires the scheduling of a Public Meeting to review both reports and provide a question and answer period.

If you have any questions or need any additional information, please do not hesitate to contact me.