

TOWNSHIP OF HAMPTON
Pine Creek Watershed/Lower Allison Park Improvements Project

On *Thursday evening, June 12, 2008*, a meeting with local government, state and federal officials was held to discuss the possible construction of a regional flood protection facility as well as highway improvements in the Lower Allison Park area of Hampton.

In an attempt to assist its neighbors in Shaler and Etna, the Township of Hampton has investigated various projects to aid downstream municipalities with regard to flood protection in the Pine Creek Watershed. In the Lower Allison Park area, basically the area in and around Route 8, Duncan Avenue, Pine Creek and Gourdhead Run, the Township has proactively acquired numerous flood-prone properties utilizing state and federal funds. The Township then hired several consultants to look at the feasibility of constructing *regional stormwater facilities* in the Lower Allison Park area.

Two on-stream stormwater management facilities were conceptually designed. The first, a permanent lake on Pine Creek has a stormwater capacity of nearly 17 million gallons. This is above a 4-foot deep permanent pool over the entire lake. The lake is approximately 8 acres in size, at its normal pool elevation. Approximately 2,000 feet of Pine Creek will be inundated by the construction of the lake. The lake will also have a forebay upstream designed to collect debris before entering the lake. The lake itself will also provide a debris collection value, which will greatly help downstream flooding.

The second stormwater facility is a dry detention basin on Gourdhead Run upstream of Duncan Avenue. This basin is to be constructed in conjunction with a new Duncan Avenue Culvert, which is presently undersized. The new detention basin is approximately 2.5 acres in size and will provide 7.5 million gallons of stormwater storage. The detention basin will affect about 600 feet of Gourdhead Run. The stream is proposed to be relocated and the riparian buffer will be significantly upgraded as the stream is currently bounded by walls.

A third part of this project focuses the reconstruction of the Duncan Avenue/Route 8 intersection. This work entails the widening of this intersection to accommodate turning lanes in both the southern and northern directions of Route 8 as well as on Duncan Avenue. It is proposed to complete this work in conjunction with the construction of the dry detention basin in order to properly realign this intersection with the detention facility itself.

Funding for this work is anticipated to come from numerous state and federal agencies. Because of the size and complexity of this project, the Pennsylvania Department of Environmental Protection (DEP), the Governor's Flood Protection Fund, the PA Department of Transportation, the U.S. Army Corps of Engineers, as well as the PA Emergency Management Agency and Federal Emergency Management Agency represent just a sampling of the funding agencies who will need to be involved. If all goes as planned, solicitation of this funding should begin by the end of August, 2008.



Pine Creek Watershed – September, 2004 (Conceptual plans attached)

Lower Allison Park (Duncan Avenue/Route 8 Area)





INTERSECTION OF ROUTE 8 AND DUNCAN AVENUE IMPROVEMENT NEEDS AND SUMMARY

DUNCAN AVENUE IMPROVEMENTS

- ❖ Construct a 300 foot right turn lane
- ❖ Widen road to provide wider 12 foot lanes
- ❖ Construct a 6 foot shoulder or curb gutter
- ❖ Replace the existing county bridge
- ❖ Realign Duncan Avenue from Kirk Avenue to Route 8
- ❖ Realign the intersection with Route 8
- ❖ Provide park and ride access to Duncan Avenue and northbound Route 8

ROUTE 8 IMPROVEMENTS RECOMMENDED

- ❖ Construct a 180 foot storage length northbound left turn lane on Route 8
- ❖ Construct a 360 foot storage length southbound right turn lane on Route 8
- ❖ Replace and upgrade the existing traffic signal
- ❖ Improved pedestrian crosswalks and signs
- ❖ Installation of a new sidewalk along Route 8
- ❖ Construct a Park and Ride Lot

Route 8/Duncan Avenue Intersection

