



*You couldn't pick a better place.*

**Mayor  
Chuck Cahn**

### **Kingston Drainage Project Timeline**

In the early 1990s the Township acknowledged substantial flooding in the Kingston Community and initiated a multi-phase drainage improvement project for the neighborhood. Completed phases were as listed below.

<b><u>Year Completed</u></b>	<b><u>Description / Contractor</u></b>	<b><u>Cost</u></b>
1993-94	Permitting/Design Ongoing	
1995	Clemson Culvert Replacement Project Phase I	\$1,000,000.00 +/-
1998	Douglas Ditch Project (Southern Industrial Sand)	\$174,640.25
2000	Phase II - Clemson Culvert/Chapel	\$1,136,026.80
2002	Phase IV - (Defalco & Bisconti)	\$952,109.15
2003	Phase III - Chapel/Richard (T&T)	\$1,595,792.00
2012/2013	Phase V - (Moslowski)	<u>\$153,963.27</u>
<b>Total Investment:</b>		<b>\$5,012,531.47</b>

Whereas these improvements significantly improved the condition, isolated floods remained during severe rain events coupled with high tides of the Pennsauken Creek. With this in mind in 2001 the Township solicited the Army Corps of Engineers to complete a feasibility study and project management plan. Unfortunately, the corps findings noted the flood damage were "drastically reduced with the installation of the Township's projects, the cost for any possible flood control measures would far outweigh the benefits and therefore show no federal interest" (Letter Attached).

- In 2007, the Federal Emergency Management Agency revises flood maps.
- Prior to 2007, only Douglas Ditch was within the flood phase zone.
- In 2007, a large portion of Kingston Estates had been included in the flood plain zone.

These revisions were addressed due to changing weather patterns with rain events being of higher intensity (higher volumes of water in shorter periods of time).

### **Three Oaks Drainage Project**

The Three Oaks Drainage Project provided for improved drainage infrastructure in the Green Haven area (Deland Ave., Daytona Ave., Tampa Ave. and Princess Road).

<b><u>Year Completed</u></b>	<b><u>Description and Contractor</u></b>	<b><u>Cost</u></b>
2019	Three Oaks Drainage Improvements (DiMeglio)	\$557,673.65

### **Other Municipal Projects Completed/Projected**

<b><u>Street Name</u></b>	<b><u>Year Repaved</u></b>	<b><u>To Be Repaved</u></b>
Deer Rd.	2014 Mill & Overlay	
Tampa Ave. (Chelton/Kingston Dr.)	2014 Mill & Overlay	
King George (Chapel/Cornwall)	2015 Mill & Overlay	
Preston Rd.	2015 Mill & Overlay	
Miami Ave. (Kings Highway/Edgemoor)	2017 Mill & Overlay	
Gene Harte Hockey Court Resurfacing	2017 Resurfacing	
Kingston Rd.	2018 Mill & Overlay	
Belle Arbor Drive (Kings Highway/Kingston Drive)		2019 Mill & Overlay
Ranoldo Terrace (Route 70/Howard)		2019 Mill & Overlay
Tampa Ave. East (Kingston Dr./Kings Highway)		2019 RMP



DEPARTMENT OF THE ARMY  
PHILADELPHIA DISTRICT, CORPS OF ENGINEERS  
WANAMAKER BUILDING, 100 PENN SQUARE EAST  
PHILADELPHIA, PENNSYLVANIA 19107-3390

RECEIVED

JUN 18 2002

ENGINEERING

REPLY TO  
ATTENTION OF

Planning Division

JUN 17 2002

**SUBJECT: Finding of No Federal Interest**

Mr. Kevin McCormack  
820 Mercer St.  
P.O. Box 5002  
Cherry Hill, New Jersey 08034

Dear Mr. McCormack:

The Corps of Engineers, Philadelphia District has completed its initial evaluation of potential flooding along the South Branch Pennsauken Creek in Cherry Hill, New Jersey. Based upon field investigations and conversations with your office, there appears to be insufficient damage potential to warrant further study.

The Philadelphia District originally made contact with your office in August 2001 after a request was made to study a flooding problem along the South Branch Pennsauken Creek, which reportedly impacted between 60-100 homes in Cherry Hill. During this initial contact the Township informed the Corps of several ongoing storm water management projects. Because the township made the Corps aware of these already constructed projects, and continued to state that between 60-100 homes were receiving flooding, it was assumed that these homes were residual damages from these projects. Therefore, as a result of this meeting an initial evaluation report was written and Federal funds were requested to initiate a Section 205 Flood Control Study.

Once funds were received a kickoff meeting was scheduled for May 13, 2002 with your office. At this meeting the Corps again learned of these storm water management projects that the Township had undertaken over the past several years. However, as can be seen from the attached field trip notes at this time the Corps was made aware that conditions had changed and it appeared that these projects had succeeded in significantly reducing the level of flooding throughout the township and may have even eliminated any first floor flooding leaving only residual flooding along yards, garages or limited basement flooding.

Because flood damages were so drastically reduced with the installation of the Township's projects, the cost for any possible flood control measures would far outweigh the benefits and would therefore show no Federal interest. For this reason, the Corps is unable to pursue this study at this time. However, it may be in the interest of Cherry Hill Township to consider a flood warning system or perhaps simply inform residents that if flooding persists, individual

217 686 3400 Region 3  
homeowners may also want to contact Mr. Martin Frengs from the Federal Emergency Management Agency (FEMA) at (215) 931-5532. Mr. Frengs may be able to suggest some special grants and low interest loan programs that are available for flood proofing measures or raising of structures.

Although we are unable to assist you at this time in pursuing a project along the South Branch Pennsauken Creek, please feel free to contact Ms. Christine Bethke at (215) 656-6567 if you have any further questions.

Sincerely,

*Robert C Johnson*

*for* Paul Gaudini, P.E.  
Acting Chief, Planning Division

Attachment:  
Field Trip Notes

Copy Furnished:  
Martin Frengs  
Hazard Identification & Risk Assessment Branch  
Federal Emergency Management Agency  
Region III  
615 Chestnut Street, Six Floor  
Philadelphia, Pennsylvania 19106

## TRIP NOTES FOR SITE VISIT 13 MAY 2002

### **SOUTH BRANCH PENNSAUKEN CREEK-CHERRY HILL TOWNSHIP, CAMDEN COUNTY, NEW JERSEY**

#### **1 PARTICIPANTS**

- Finnina Spletzer-Remington & Vernick
- Kevin McCormack – Cherry Hill Township Engineering
- Christine Bethke – USACE Project Manager
- Frank Master – USACE, Act. Chief Basin Planning
- George Sauls-USACE, Chief, Hydrology & Hydraulics (H&H)
- Jerry Pasquale-USACE, Chief, Environmental Branch
- Scott Fritzinger-USACE-Chief, Geotechnical Section
- Laura Bittner-USACE-PDT for H&H
- Sharon Grayson-USACE-PDT for Economics
- Alfredo Montes-USACE- PDT for Civil & Structural
- Paula Retzler-USACE-PDT-Design Management
- Vijai Gupta-USACE- PDT Cost Engineering

#### **2 PROBLEM / ISSUE IDENTIFICATION**

- A Cherry Hill Township has experienced historic flooding on the South Branch of the Pennsauken Creek. The Township is very proactive in clearing and maintaining the waterways within the township proper, but this creek forms the boundary between 2 counties and 5 municipalities. In the past the Township had a frequent flooding problem involving between 60 and 100 homes, which were generally confined to three locations.
- B An extensive walking inspection of the creek was made with special focus on problem areas.

#### **3 OBSERVATIONS**

- A Although the township has experienced severe flooding in the past, they have been extremely proactive in the past six years spending over \$6 million to improve their storm water management system. During this time flooding seems to have been reduced or eliminated for many of these 100 homes which were originally getting damaged.
- B During the site visit it appeared that each of the areas heavily damaged in the past (Colwick, Kingston Estates & Brandywoods) are now only receiving minimal damages. This flooding consists primarily of backyards, streets, garages and minimal flooding in basements. It appears that flooding has also been limited to 5 or 6 homes in Kingston Estates and Brandywoods.

RECOMMENDATIONS

Through field observations and conversations with the Township Engineering Department it appears that the township has severely reduced and possibly eliminated a great deal of the flooding issues along the South Branch Pennsauken Creek. Over the past six years the township has spent over \$6 million for implementation of the storm water management plan. With one phase remaining, the township has recognized that flooding is limited to only a handful of structures, and even these structures are only receiving nuisance flooding (yards, garages and some basement). Based on input from Economic & Social Analysis Branch and Hydrology & Hydraulic Branch it appears that it would be highly unlikely that there would be Federal interest in a flood control project along the South Branch Pennsauken Creek at this time. Therefore, it is my recommendation to end this study and reprogram funds. Although there is no Federal interest, the township may choose to consider flood proofing or raising these few structures if flooding persists.

*Christine Bethke*

Christine Bethke  
Project Manager