

## **ATTACHMENT 14**

### **STORMWATER MANAGEMENT ANALYSIS**

The proposed Project has been designed to satisfy Pennsylvania's stormwater management requirements and has incorporated best management practices identified in the Pennsylvania Stormwater Best Management Practices Manual. Stormwater will be managed during construction activities in accordance with the Project's Erosion and Sediment Control Plan. The Project does involve the construction of above ground stations and valve settings that will require grading, permanent access roads, and other impermeable surfaces, however these are all located outside of wetlands, streams, and the FEMA floodway. All of these sites are designed to manage stormwater runoff in accordance with the Pennsylvania Stormwater Best Practices Manual and are discussed and presented within the Project's Erosion and Sediment Control Plan.

Coordination with the local municipalities was initiated with letters and project maps sent between the dates of November 10 and December 22, 2015. As part of that process, the municipalities were requested to respond with any concerns regarding the proposed Project and its consistency with their comprehensive plans and/or ordinances.

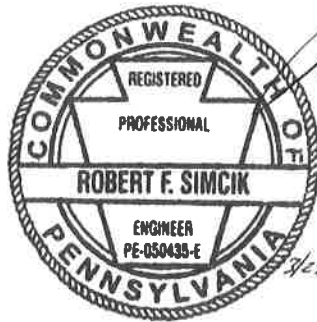
### **FLOODPLAIN MANAGEMENT ANALYSIS**

As presented in the Environmental Assessment (Attachment 11), the proposed Project does cross floodways delineated on FEMA maps. However, the Project will not involve the construction of any aboveground structures within these mapped floodways nor will the Project result in any change in the storage capacity of the floodways. All floodways temporarily impacted by the Project will be restored to their pre-existing contours and no additional/new fill will be placed in the floodways. There are no permanent impacts to FEMA floodways as a result of the proposed Project. The Project would expand an existing block valve station off Westinghouse Road, a portion of which (approximately 0.14-acre) would be located within a FEMA designated 100-year floodplain. However, this expansion is not anticipated to result in adverse impacts as it would require minimal site grading, and as only a nominal amount of the block valve station pad would be located within the floodplain. The proposed Conemaugh River West block valve was addressed in the floodplain management consistency request letter to Derry Township included in Attachment 14. We have not yet received a consistency response from this Township and will work with this Township to ensure the block valve is consistent with their management plan. The consistency statement or further comment will be provided to the DEP upon receipt. The Conemaugh River West valve is depicted on the E&S Plan Sheet set located in Attachment 12, as well as Post Construction Stormwater Management plan drawing and civil drawings for this site are located in Attachment 12. The impacts to the floodplain are quantified in the Chapter 106 impact table located in Attachment 11.

In general, coordination with the local municipalities was initiated with letters and project maps sent between the dates of November 10 and December 22, 2015. As part of that process, the municipalities were requested to respond with any concerns regarding the proposed Project and its consistency with their comprehensive plans and/or ordinances.

A summary of the initial stormwater and floodplain management correspondence is included in this attachment as Table 14-1. Following Table 14-1 are copies of the consistency letter requests, delivery confirmations, and responses received to date.

"I, Robert F. Simcik, do hereby certify pursuant to the penalties of 18 Pa. C.S.A Sec. 4904 to the best of my knowledge, information and belief, that the information above, is true and correct, and is in conformance with Chapter 105 of the rules and regulations of the Department of Environmental Protection."



*Robert F. Simcik*  
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Robert F. Simcik, P.E.  
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