

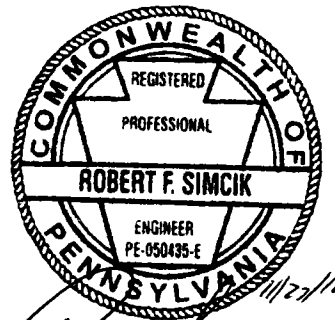
ATTACHMENT 13

HYDROLOGIC AND HYDRAULIC ANALYSIS

NOTE: The proposed Project does not alter the flow volumes, direction, or geomorphology of any of the streams traversed: all streams and wetlands temporarily disturbed will be restored to their pre-existing topographic contours. Furthermore, the Project does not involve the creation of impermeable surfaces that would result in a change in the existing 100-year frequency flood discharges. Similarly, the Project will not alter the flood storage capacity of any floodways traversed as there will be no permanent structures built in FEMA floodways and no additional/new fill will be placed in FEMA floodways. In addition, in Perry County, no permanent impacts are proposed within the FEMA 100 year floodplain. Accordingly, further coordination regarding this requirement is not applicable.

"I, Robert F. Simcik, do hereby certify to the best of my knowledge, information and belief, that the information contained in the accompanying plans, specifications, and reports has been prepared in accordance with accepted professional practice, is true and correct, and is in conformance with Chapter 106 of the rules and regulations of the Department of Environmental Protection."

"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, P.E.
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