

Capital Project S-6175

Little Patuxent Parallel Interceptor Sewer

Howard County Department of Public Works
Utility Design Division



Project Purpose and Need

Existing Little Patuxent Interceptor is a major sewer system providing gravity service to the Little Patuxent Sewershed

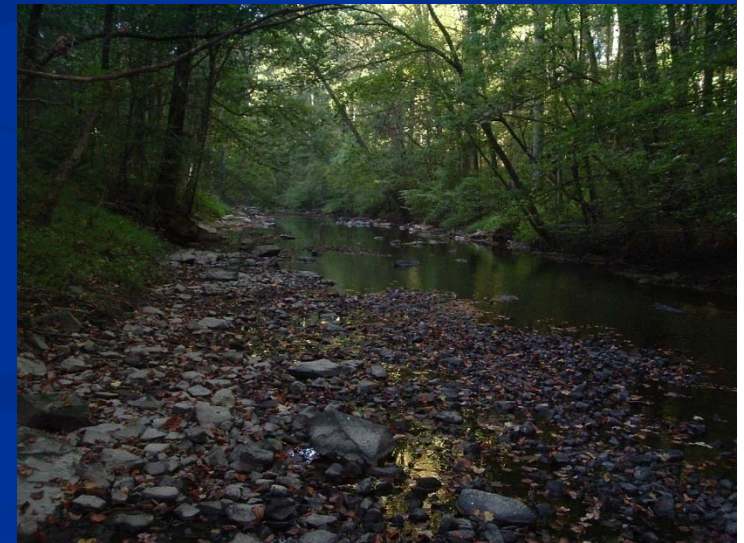
- Constructed between 1967 and 1975
- 55,000 linear feet (10.4 miles)
- Serves population of approx. 133,000 in the communities of Savage, Guilford and Columbia
- Sewershed covers approx. 50 square miles
- Water Reclamation Plant in Savage to MD 108 in Columbia
- Pipe sizes range from 27" to 48"



Project Purpose and Need

Recent Records from the Little Patuxent Water Reclamation Plant indicate that:

- Average daily flow is approx. 14 million gal./day
- Peak flow is approx. 21 million gal./day
- During current conditions of maximum day sewage flows and storm events, portions of the existing Little Patuxent Interceptor are surcharged (flowing under pressure) and are therefore over capacity
- The parallel sewer is needed to relieve the surcharge conditions that may result in sewage overflows



Project Purpose and Need

Based on this information, Howard DPW has deemed it necessary to augment the existing sewer system in order to:

- Alleviate stress on the existing sewer due to existing flows within the sewershed
- Avoid sewage overflows and protect the environment
- Provide sufficient sewer service capacity to meet anticipated future flows in accordance with the approved “Howard County Master Plan for Water and Sewerage”

