Existing combined sanitary and storm sewers carry wastewater to sewage treatment plant during dry weather.

Treated water discharges to the river.

Regulators release untreated combined wastewater to river; releases reduced by 90% after tunnel construction.

When tunnel fills, siphon directs wastewater in tunnel to ponds for temporary storage.

Combined sewer pump station directs wastewater from tunnel to temporary storage ponds and sends stored wastewater to sewage treatment plant when capacity becomes available.

Working shaft allows tunnel boring machine to enter the ground.

Dewatering pumps help lift wastewater from the tunnel to ponds or sewage treatment plant.