



- 1** Existing combined sanitary and storm sewers carry wastewater to sewage treatment plant during dry weather
- 2** Treated water discharges to the river
- 3** Regulators release untreated combined wastewater to river; releases reduced by 90% after tunnel construction

- 4** New sewers consolidate and direct wastewater to drop shafts
- 5** Regulators direct wastewater into drop shafts during heavy rain
- 6** Drop shafts direct combined wastewater to tunnel to lessen overflows to rivers

- 7** When tunnel fills, siphon directs wastewater in tunnel to ponds for temporary storage
- 8** Combined sewer pump station directs wastewater from tunnel to temporary storage ponds and sends stored wastewater to sewage treatment plant when capacity becomes available

- 9** Working shaft allows tunnel boring machine to enter the ground
- 10** Dewatering pumps help lift wastewater from the tunnel to ponds or sewage treatment plant