

Chapel Hill Stormwater Special Projects & Core Services

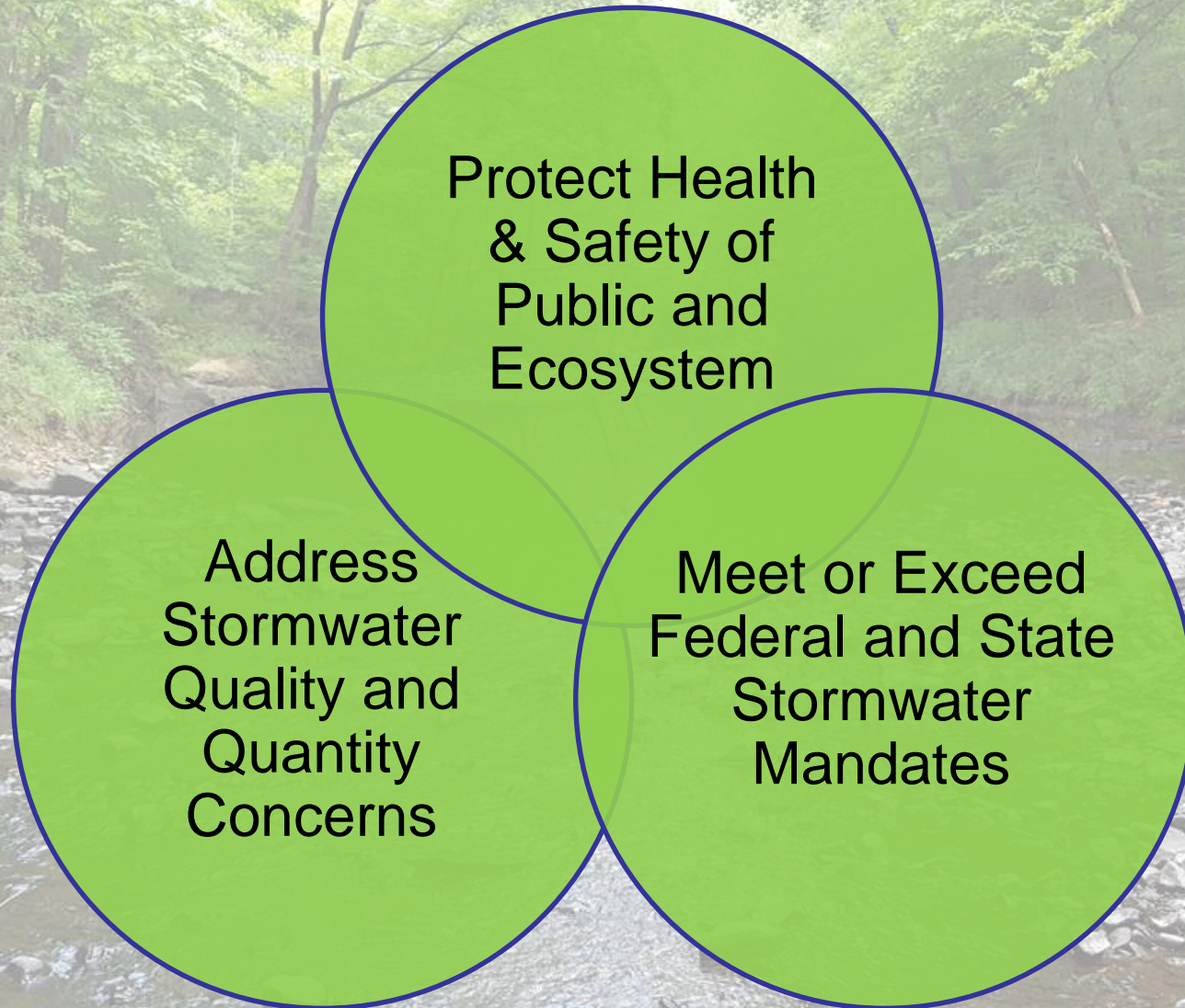


Agenda

- What We Do
- Stormwater Maintenance
- Recent Stormwater Capital Projects
- Water Quality Core Services
- Subwatershed Studies and Future Projects
- Video



What We Do



What We Do

STORMWATER OPERATIONS

- Prepare annual billing & manage stormwater billing databases
- Perform routine and remedial drainage maintenance
- Repair or replace failing drainage infrastructure
- Perform street sweeping
- Implement the Town's National Pollutant Discharge Elimination System (NPDES) Industrial Permit
- Provide public and staff education on enhancing water quality
- Develop/manage Capital Improvement Projects (CIP) identified in Subwatershed Studies

TECHNICAL SERVICES

- Development reviews and inspections for compliance with Town and state regulations
- Implement Town's NPDES Municipal stormwater permit
- Interpret floodplain maps for residents and businesses
- Perform field classifications of streams
- Conduct illicit discharge (pollution) investigations
- Manage and assist with annual macroinvertebrate sampling
- Conduct field inventory and data collection of the storm drainage infrastructure



Stormwater Maintenance



Recent Stormwater Capital Projects



Perry Creek Drive



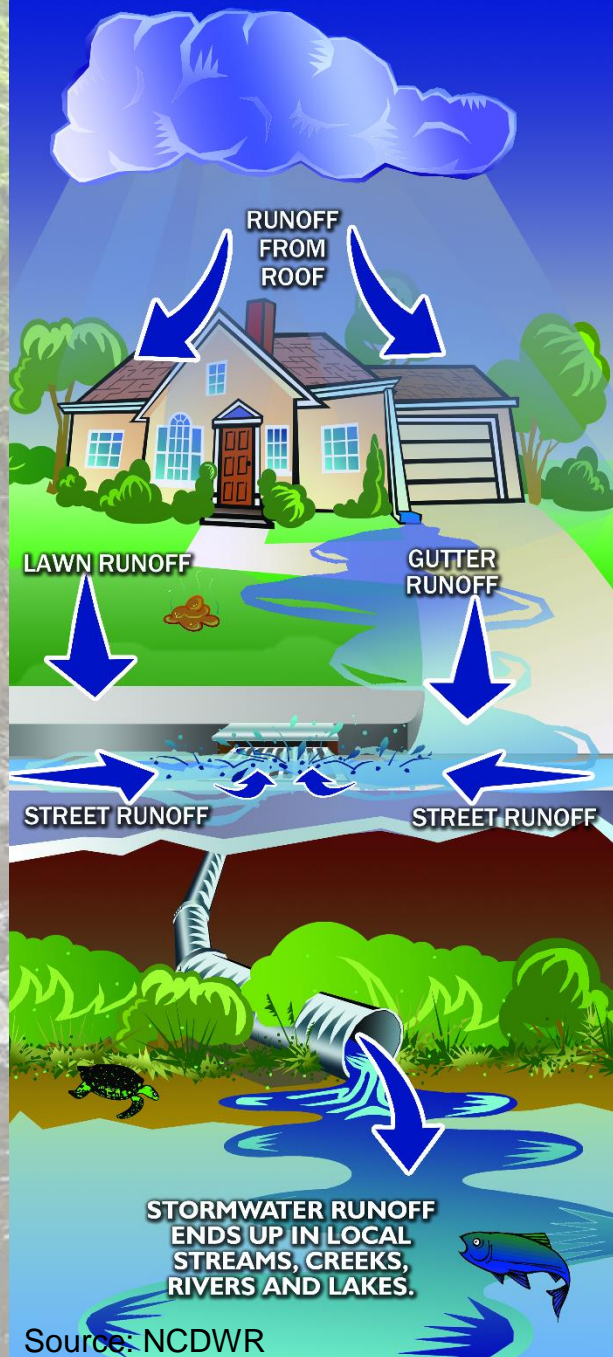
S Elliott Road



Booker Creek Road

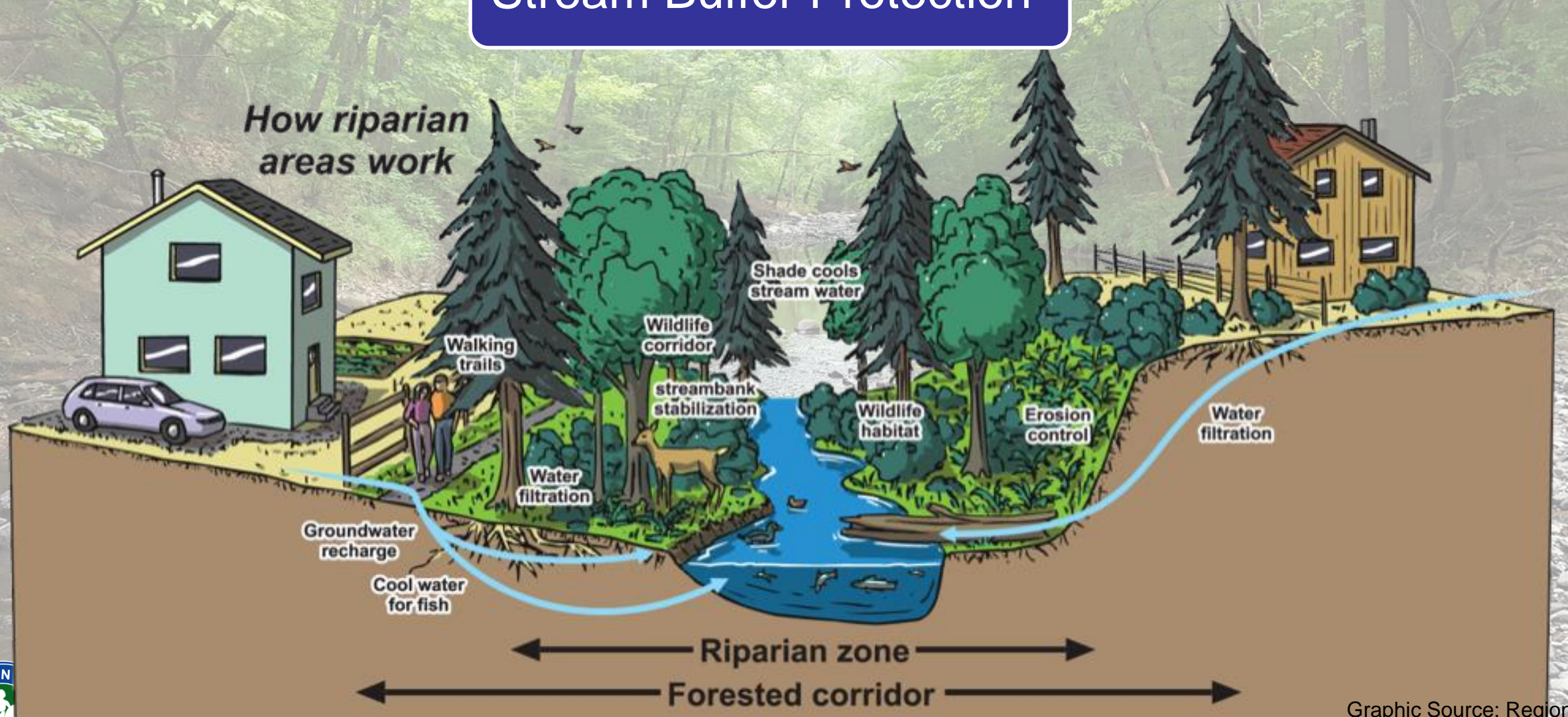


Water Quality



Water Quality

Stream Buffer Protection

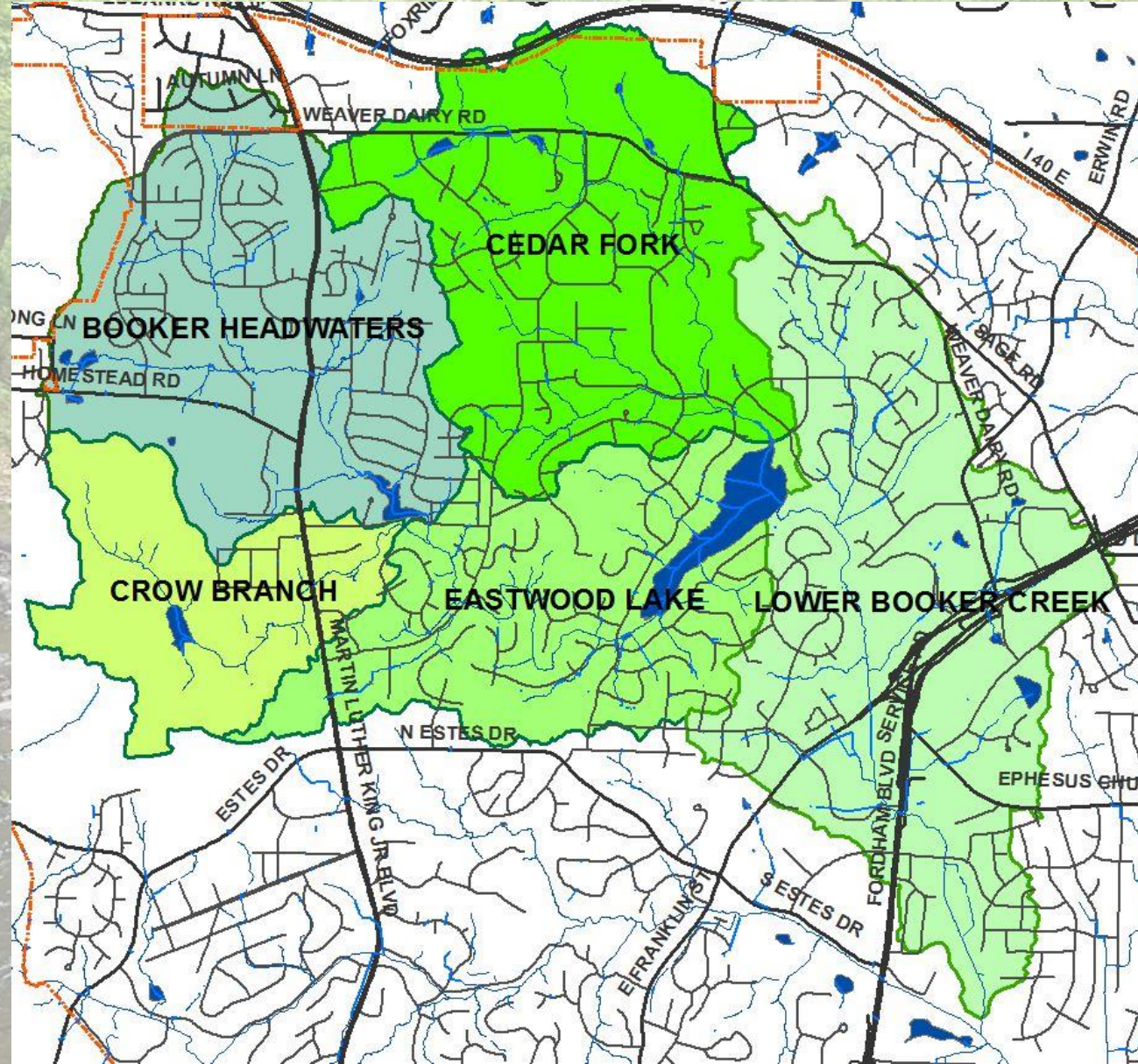


Graphic Source: Regional District of Nanaimo



Subwatershed Studies

Booker Creek Watershed



Subwatershed Studies

2014

- Stormwater Master Plan Completed

2015

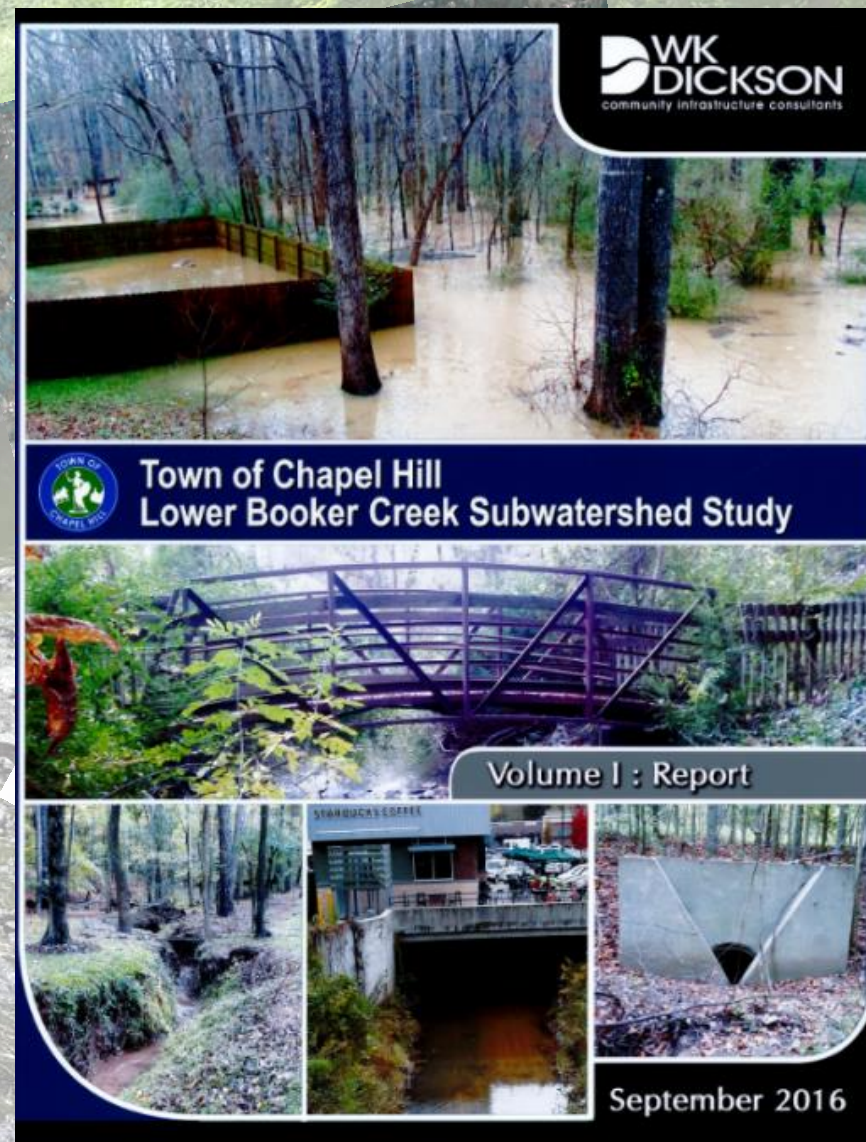
- \$5.9 Million Stormwater Bond Referendum Approved

2017

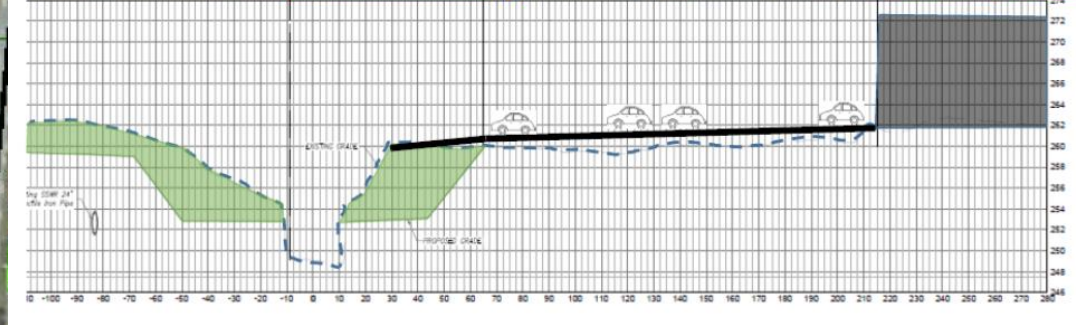
- Lower Booker Creek Subwatershed Study & Recommendations Completed - Approved by Council

2019

- Eastwood Lake Subwatershed Study Draft Report
- Cedar Fork Subwatershed Study underway



Elliott Road Flood Storage Project



Video: Protecting Our Watersheds

<https://youtu.be/B2JaPKcRXrg>





Questions?

