Stormwater Capital Plan and Infrastructure

Clark County Clean Water

Jeff Schnabel

March 9, 2022
Primary Policy and Goals

Policy:
- Meet Phase I Municipal Stormwater Permit requirements

Goals:
- Protect and enhance streams and wetlands
- Minimize stormwater impacts to receiving waters
- Maximize public benefits of county-owned lands

Regulatory Requirements

Phase 1 Municipal Stormwater Permit:
- S5.C7 Structural stormwater controls – prevent or reduce impacts to waters of state
  - New in 2019 permit - Point system!
  - Maintenance and Operations

Underground Injection Control Program:
- County must address any drywells that pose a threat to groundwater

Growth Management Act:
- Capital Facilities Plan includes stormwater
Overall Program

• **6-year Stormwater Capital Plan** [https://clark.wa.gov/public-works/stormwater](https://clark.wa.gov/public-works/stormwater)
  - Updated annually, adopted by Council

• **Process**
  - Priorities
  - Project Identification
  - Project Verification
  - Programming

• **Grants**
  - Currently five grant-funded projects: total awards = $1.7 million

• **Next! 20-year Stormwater Capital Plan**
Project Types

- Capital Repairs >$25,000
- Retrofits – Water Quality and Hydrology Improvement
- Underground Injection Control (UIC)
- Stream Stabilization, Habitat Improvement, Fish Barrier Removal
- Reforestation
- Property Acquisition for Stormwater Benefit

- Ongoing Programs
  - Reforestation Planning
  - Sub-basin Retrofit Studies
  - Street Sweeping
Financial

- Water Quality: $4,698,000
- Hydrology: $1,326,000
- Stabilization/Habitat: $2,225,000
- Reforestation: $260,000
- UIC (drywell): $235,000
- Sub-basin retrofit study: $450,000
- Reforestation Planning: $120,000
- Capital Repair: $315,000
- Property Acquisition: $600,000

27 projects
2 ongoing programs
$10.2 Million 2022-2027 Total
<table>
<thead>
<tr>
<th>Schedule</th>
<th>Orange: Funds spent through 2021</th>
<th>Blue: 2022-2027 funding</th>
<th>Green: Additional street sweeping funds</th>
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<thead>
<tr>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
<th>2026</th>
<th>2027</th>
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<tbody>
<tr>
<td>Schriber Reforestation ($105K) ($113K)</td>
<td></td>
<td>NE 78th St at NE 16th Ave WQ Retrofit ($219K)</td>
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<td>NE 99th St catch basin retrofit ($218K)</td>
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<tr>
<td>NE Hazel Dell Ave Cougar Cr to 94th St WQ Retrofit ($50K) ($405K)</td>
<td>NE 78th St at NE 13th Ave WQ Retrofit ($114K)</td>
<td>NW 99th St Corridor WQ Retrofit ($276K)</td>
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<td>Mt. Vista 8 SWF Retrofit ($30K) ($183K)</td>
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<td>Hazel Dell Ave ROW WQ Retrofit ($440K)</td>
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<td>Country Meadows UIC Decommission ($23K) ($235K)</td>
<td>Whipple Creek NW 11th Ave Habitat Improvement ($275K)</td>
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<td>NE Hwy 99 WQ Retrofit (68th to 78th) ($50K) ($709K)</td>
<td>NE 78th St East of Bingo Hall WQ Retrofit ($625K)</td>
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<td>Heritage Farm wetland restoration ($100K)</td>
<td>($1.3M)</td>
<td>NE 78th St Heritage Farm ROW WQ Retrofit ($280K)</td>
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<td>Cougar Creek 3 Enhancement</td>
<td>($90K)</td>
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<td>Wilding Park SWF Swale Repair ($80K)</td>
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<td>NE Hwy 99 WQ Retrofit (78th to 82nd) ($266K)</td>
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<td>Merritt’s Hideaway SWF Repair ($50K)</td>
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<td>NE Hwy 99 WQ Retrofit (82nd to 86th) ($436K)</td>
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<td>NE 119th St/26th SWF Repair ($50K)</td>
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<td>Lower Suds Creek Restoration ($980K)</td>
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<td>Cedars Golf Course Acquisition ($600K)</td>
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<td>Mayer’s Terrace SWF Repair ($35K)</td>
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<td>Lindemann Easement/Cold Cr Ct Repair ($100K)</td>
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<td>Whipple Creek Park Trib Culvert Repair ($70K)</td>
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<td>Zimmerly Reforestation ($147K)</td>
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<td>NE Hazel Dell 78th to Cougar Cr WQ Retrofit ($527K)</td>
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<td>Ongoing Programs:</td>
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<td>Reforestation Planning ($120K)</td>
<td>Sub-basin Retrofit Planning ($450K)</td>
<td>Street Sweeping ($1.4M)</td>
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