

# Stormwater Infrastructure

**Clark County Clean Water**

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# Six-year Stormwater Capital Plan

<https://clark.wa.gov/public-works/stormwater>

## Goals:

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

Updated annually and adopted by Clark County Council

## 2024-2029:

- **29 projects**
- **\$13.6 Million**



# Project Types

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- Capital Repairs >\$25,000
- Retrofit and New Facility Construction – Water Quality and Flow Control
- Underground Injection Control (UIC) Compliance
- Stream Stabilization, Habitat Improvement
- Reforestation
- Property Acquisition for Stormwater Benefit



# Grants

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## 2024-2029 Funding

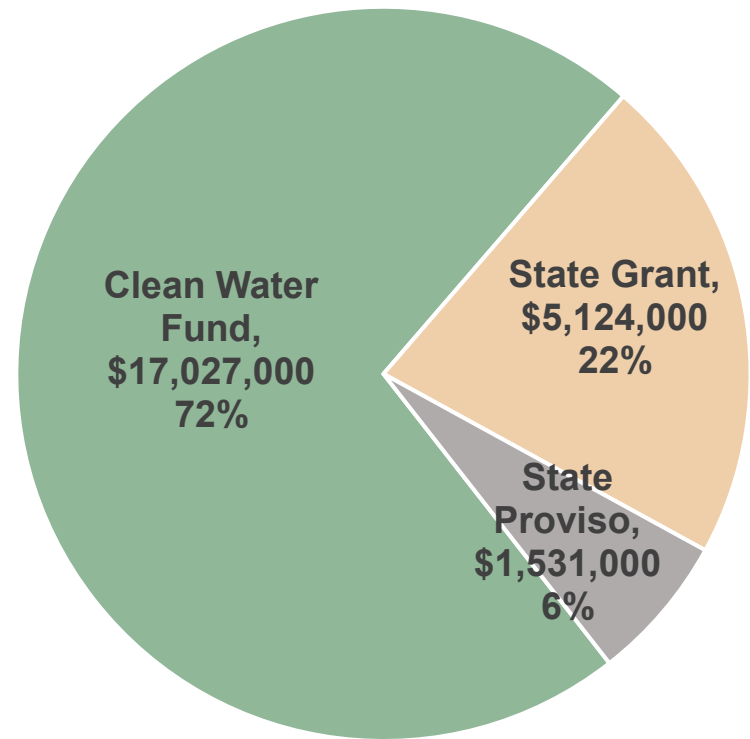
- Funding currently awarded toward two projects:

\$650K total

## Current and future proposals

- October 2023 – construction grant \$500,000; construction loan \$3,500,000
- Construction proposals for 7 projects 2024-2026: \$3.4 million

2011-2023 Structural Stormwater Controls



# Stormwater Asset Inventory

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- **Asset Mapping**

- GIS database
- All public and private stormwater infrastructure
- ~175,000 mapped assets.....and counting

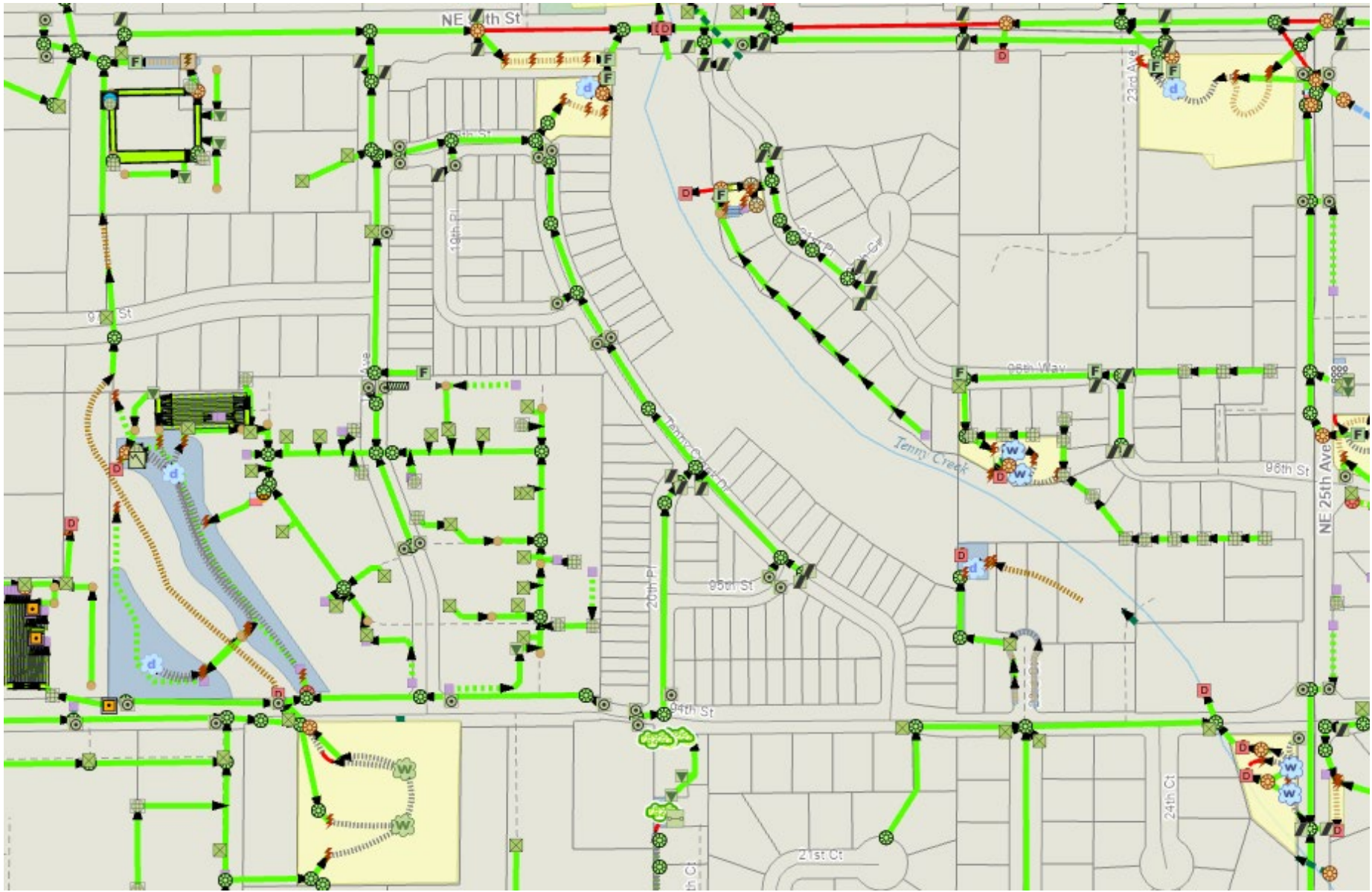
**The GIS database feeds data to the Public Works asset management system (Cartegraph) and forms the backbone for inspection, maintenance, and regulation of public and private storm facilities**

- **GASB (Government Accounting Standards Board)**

- Annual accounting of stormwater assets donated to the county







# Inspection and Maintenance

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## **Public Facility Inspection (\$120,000 2024 budget)**

- Required to annually inspect at least 95% of treatment and flow control facilities -- 1,985 in 2023
- Each facility includes many sub-assets that are inspected and defects noted

## **Public Facility Maintenance (\$2.8 million 2024 budget)**

- Routine – mowing, litter removal, sediment trap cleaning
- Defects from inspections (cartridge replacement, fencing, damage, grading, vegetation)
  - 6 months; 1 year; 2 years
  - Capital repair >25K go to Stormwater Capital Plan
- Street Sweeping



# Inspection and Maintenance

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## Public Facility Assets

- Treatment and flow control systems (~3000)
  - Cartridge systems; Biofiltration swales; Bioretention
  - Underground storage; Ponds/wetlands
- Flow control structures (~650)
- Catch basins (~12,000)
- Manholes (~8,000)
- Drywells (~1800)
- Stormwater pipe (~500 miles)
  - No existing program – complaint-driven
  - Working to establish as part of rate study

