

Maintenance Division Update

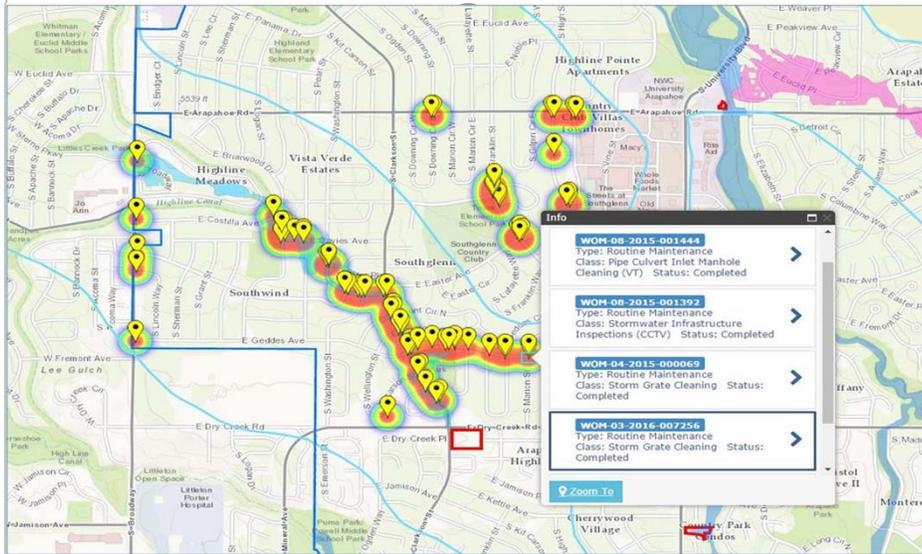
JUNE 27, 2016



Maintenance Work Order focus since February 2016

- ❖ Maintenance Work Orders completed within a Subdivision/Neighborhood
 - ✓ One comprehensive Work Order rather than each individual inlet
- ❖ Opportunistic ROW inspections within each Crew Area (East and West)
 - ✓ Take advantage of travel routes to/from work areas to scope potential issues and generate Work Orders
- ❖ Channel Outfall Mapping/Work Plan to facilitate Corps 404 Nationwide Permit "batching"
 - ✓ West Toll Gate Creek: 4 batches of NWP 3b requests covers 30+ outfalls
 - ✓ Big Dry Creek NWP batching in process

Neighborhood Maintenance Area Map

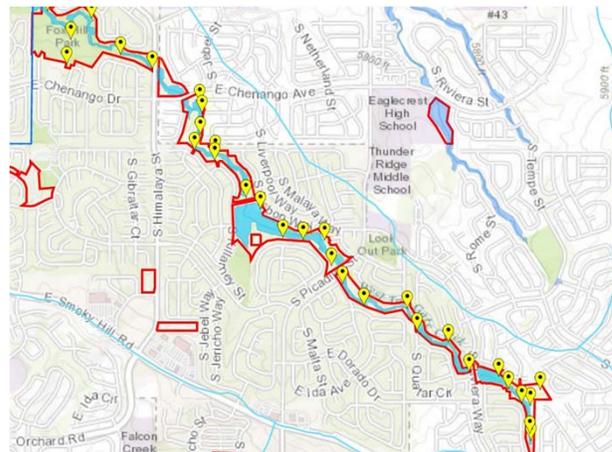


Multiple subdivisions within 'Neighborhood Area' bounded by Arapahoe - University - Dry Creek - Broadway

Corps permitting will include "batching" outfall sediment removal maintenance activities under Nationwide Permit 3 for major drainageways and tributaries.

This will group areas of outfalls that share the same parameters so that just a single Preconstruction Notification Document can cover multiple outfall projects

This will be first test of "batching" NWP 3b



West Toll Gate Outfall sediment removal

Update on Prior Maintenance Reporting Items

- **Soil dump site at Easter & Lima (Van Engelyn property)**
 - Ed Krisor taking lead
 - Responsible parties being permitted
- **Piney Creek Hollow Park**
 - Pond sediment removed
 - Sediment piles contained
 - Disposal options in process
- **Mowing/Debris Removal/Weed Removal Program**
 - L&M will be starting Pilot Program this month
 - ✦ 2 scheduled mowings, Spring & Fall; 2-week duration
 - ✦ Along trickle channels, houses, trails
 - ✦ Side slopes and channels left natural
 - ✦ Nextdoor notification with Website Informational Flyer



2016 Mowing Program

A program to manage our native grass drainage areas in a more restorative way. Native grasses, when allowed to grow to their natural heights to propagate their own seed, are self-perpetuating, choke out weeds, and regenerate independent plant communities naturally.

SSPRD and APRD are managing their open spaces in a similar manner, as shown below.



Tree Thinning Operations

Windmill Creek before



Windmill Creek After



Bronco's Parkway @ Jordan Rd

Failing inlet and sinking manhole in the westbound turnlane on Bronco's required an engineered solution; 3 days of traffic control



Liberty Trib @ Carriage Gate

Sediment removal project, including removal of sediment buildup at drop structure & low water Xing; overgrowth and sediment removal in channel.







Inspections Program Update

- **Cherry Hills Assisted Living, University @ deKovend Park**
 - Stream work completed; LOMR review in process
 - ✦ Vertical can begin as soon as 'approved' for submittal to FEMA
- **Arapahoe Road Widening, Waco to Himilaya**
 - Temporary stabilization in key areas as project progresses
 - Foxfield pipe and inlet fix
 - Antelope Creek Box Culvert Xing
- **Marvella Development, Orchard & Quebec**
 - Remaining stream work to be done under UDFCD guidance
 - Managing trades for 60+ homes in progress