


# ENVIRONMENTAL RESOURCES DIVISION UPDATE

Water Quality activities, June through October 2015



November 2015

## WATER QUALITY PROGRAM



- **Permit Renewal:**
  - Submitted Comments June 30<sup>th</sup>
    - 6 comments on IDDE requirements; 6 comments on Construction Site (GESG) requirements; and 33 comments on Post-Construction (permanent BMPS)
  - Total number of comments: 740
  - Permit Issuance: Division has no date in mind
- **News on the street**
  - Division is concentrating on getting Top 5 of their Regulatory 'Wish List' this permit term, and leave other for future permits
    - inspection frequency; design standards for permanent BMPs; redevelopment "make up for what wasn't regulated previously" post construction standards; record keeping specificity; secondary containment for storage of fluids
- **In the meantime....**
  - Revising GESG Manual: updating, streamlining, less story-telling, less "why's"; more emphasis on re-vegetation efforts at sites
  - Developing WQ Matrix for Post-construction Design Standards to help applicants understand the new Permit options for site water quality controls
  - Evaluating annual reporting to prep for Energov database reporting gap/difference from previous permit annual reporting

## EDUCATION & OUTREACH

- Walnut Hills National Night out
- Western Welcome Week Festival Day
- World Monitoring Day
- CC Partners Summer/Fall Environ. Assessment Eco Park
- CASFM Presentation on Infiltration Study to support MS4 Permit Design Standard Comment
- Workshop on Permanent BMP Inspection & Maintenance
- SPLASH articles in Land & Water Magazine and the Englewood Herald
- CC Race for the Watershed



## ILLICIT DISCHARGE DETECTION

### ■ June through October Incidents: 17

- 10 construction and landscaping related
- 4 general (sheen, foam on creek)
- 1 sewer, 1 automotive, and 1 illicit connection

### ■ Importance of IDDE training

- Maintenance Crew
  - Grout Washout into LDR @ Arapahoe Road
- Contractors working on CIP projects
  - East Trib to Willow Creek, Rosemary Way Culvert project



## CONSTRUCTION SITE PERMITTING/INSPECTION



- **June - October**
  - New sites: Inova, Wings over the Rockies, Dove Valley backbone, Centennial Corner, Inverness
  - 44 new permits issued
  - 110 active construction sites
- **Trending**
  - On-shelf single-family homes (Stonetree) & multi-family (Inverness)
  - Large commercial in Dove Valley
  - Numerous utility permitting: Denver Water, Xcel, Southgate
- **Site Close-out Process**
  - Close-outs since June: 48
    - Top Golf
    - Centennial Leasing

## PERMANENT BMPS

- New details being developed in conjunction with SEMSWA's Land Development review team
  - Engineers not 'designing' permanent BMPs, just inserting our details
  - Our details are not specific to a site; left discretion to design engineer to make work for their site
  - Contractor is left with Xeroxed detail, with ambiguity left in place
  - Harder on Inspectors to correct deficiencies; detail is in essence 'correct'
- WQ Matrix to assist Design Engineers
  - New permit has additional design standards
    - Infiltration options
    - Proprietary BMPs for constrained sites, linear sites
  - Matrix provides design engineer the parameters to choose appropriate permanent BMP in an easy-to-decipher manner
  - Will be the basis for Stormwater Management Criteria Manual revisions for the WQ chapter

## SPECIAL PROJECTS



### ■ Award Submittals

- APWA: SEMSWA Building & Walnut Hills' Little Dry Creek conveyance project
- SDA Collaboration: Annual Permitting for APRD and SSPRD
- CASFM: Cherry Creek Stream Reclamation at Eco Park project

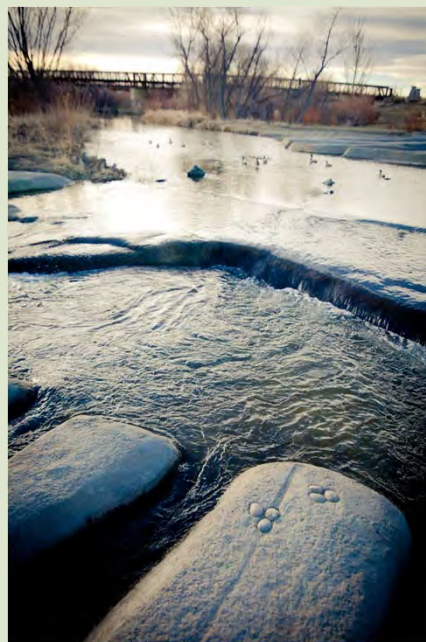


### ■ Special Construction Site Compliance Assistance

- Marvella, Century Communities homes along Greenwood Gulch
- Arapahoe Road Widening project-Waco to Himilaya
- Cherry Hills Assisted Living development along Big Dry Creek

### ■ Corps 404 Permitting Process

- Fact Sheets to guide appropriate permitting process
- Guiding Principles Document, with procedures on implementing permitting principles into action



## ECO PARK VIDEO FOR CASFM AWARD SUBMITTAL

Compiled by  
Muller  
Engineering for  
CASFM Award  
Presentation