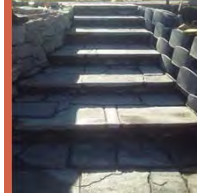


ENVIRONMENTAL RESOURCES DIVISION 2016 UPDATE



January 18, 2017

OVERVIEW OF ENVIRONMENTAL RESOURCE DIVISION

Environmental Resource Division



- **Water Quality**

- SEMSWA has the CO Stormwater Discharge (MS4) Permit for the City, IWSD, ACCWA, and ECCV
 - IWSD, ACCWA, ECCV transferred their MS4 permits to SEMSWA
- The County has a MS4 Permit for activities within County permit boundaries
 - SEMSWA implements the MS4 Permit Programs for the County per MOU and SOPs

- **Floodplain Management**

- SEMSWA is the City's Floodplain Administrator; all review and approvals for Floodplain Development Permits; review/approval modification studies; final decision on FP variances
- SEMSWA is NOT the County's Floodplain Administrator (County retained that role)
- Provide FP technical assistance to the County as needed

- **Special Projects**

- Written Procedures and Policy documents
- Public Relations; Press releases; Annual Report
- Special technical studies for more favorable MS4 Permit requirements
- Water quality special studies/projects

- **Regulatory Permitting**

- Facilitate SEMSWA Maintenance Floodplain Permits, Annual Permits, and Army Corps of Engineers 404 Permits



Brian Cox, Environmental Specialist



Sherry Thompson, FP Manager



Cynthia Love, FP Specialist

■ MS4 Permit Activities in 2016:

- New Permit Effective July 1, 2016 (started renewal in 2013, 2 drafts); 5-year permit term
 - Compliance schedule out to 2019
- Preparing Fact Sheets and Program Description Documents for new permit requirements
 - Ex. Requirements for Permanent WQ control facilities
 - Within Cherry Creek Basin (reg 72), any disturbance
 - Outside CC Basin (reg 61), disturbance > 1 acre
 - Constrained sites (various exemptions)
 - Transportation/linear projects (various exemptions)
 - 6 New Permanent WQ BMP design standard options
- Revised Grading, Erosion and Sediment Control Manual
 - reflect new Permit conditions
 - From 220 pages of explanatory text to ~40 pages of regulatory requirements, checklists, and templates
- Revising Criteria Manual - in progress
- Prepare Training materials for staff



MS4 Permit Activity

EDUCATION AND OUTREACH JULY – DECEMBER 2016

- SPLASH Lunch & Learn – Revegetation (50)
- Walnut Hills National Night Out (100)
- Western Welcome Week (1000+)
- World Monitoring Day (300+)
- Cherry Creek “Race for the Watershed” (120)
- Cherry Creek Stewardship Partners Annual Conference (135)
- CDPHE Environmental Leadership Program Awards (100)
- IECA Conference Presentation (150)



- **Two 2016 Physical Map Revisions (PMR)**, including:
 - 1) *Dutch, Coon, and Coal (upstream of Yale) creeks*, and 2) *Cherry (downstream of Reservoir), Littles, Happy Canyon & Green Acres Tributary, West Toll Gate, Unnamed & Tributary, Coal (downstream of Yale), Sand, and Senac creeks*
 - Joint education and outreach effort between FEMA and their consultant, UDFCD, and SEMSWA
 - Mailings with map changes sent to property owners in September (Dutch PMR group) & mid-October (Cherry Creek PMR group)
 - Public Meetings held at SEMSWA October 27th & November 1st
 - *Dutch, Coon and Coal creeks PMR* appeal process for property owners ends on Jan 18th. SEMSWA is meeting with 2 property owners, along with the County and UDFCD, regarding their possible appeal. The *Cherry Creek, et al PMR* appeal process has not yet started.
 - New maps for *Dutch, Coon and Coal Creek PMR* are anticipated to become effective **November 2017**
 - New maps for *Cherry Creek, et al PMR* to become effective in **2018**
- **Elevation Certificate Program (SEMSWA subsidized)**
 - Available to residents identified in FEMA Effective Maps as being newly mapped in the special flood hazard area (100 yr floodplain)
 - 2014 *Willow Creek, et al PMR* will be first to use program (26)
- **Violations**
 - Antelope Creek encroachment: Obtaining FP easements, along with education about FP restrictions
 - Cherry Creek Business Park encroachment: Working out enforcement process with SEMSWA attorney and City departments

FLOODPLAIN PROGRAM

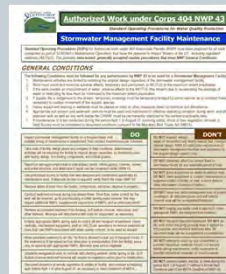
Physical Map Revision (PMR): A process where UDFCD & SEMSWA Flood Hazard Area Delineation (FHAD) studies become FEMA map panels

- New or updated data changes mapping of floodplain limits
- Some structures newly mapped in; others newly mapped out
- Some basins have not had FEMA mapping showing the regulatory floodplain before this effort, so this is new information to some property owners

ROUTINE MAINTENANCE 404 PERMITTING



- **2016 Emphasis on Regional/Sub-regional Pond Activities**
 - Nationwide Permit (NWP) 43 Fact Sheet to document proper procedures for routine maintenance of existing facilities, returned to design capacity
 - Limited to 300' of channel and ½ acre of disturbance
 - No formal Corps approval required if NWP conditions met
 - "Easy Button" for routinely maintained ponds
- **.....And minor repairs on structures**
 - NWP 3a/3c Fact Sheet to document proper procedures
 - No sediment removal allowed
 - No formal Corps approval required if NWP conditions met
 - "Easy Button" for bridge abutment scour, outfall repair, etc.
- **Facilitate NWP 3b for minor *sediment removal* at outfalls**
 - Requires Preconstruction Notice report, and formal Corps authorization
- **New template for NWP 31 for ponds**
 - Additional sediment removal beyond NWP 43 limits (unlimited)
 - Requires Preconstruction Notice report and formal Corps authorization



SEMSWA LANDSCAPING

INFILTRATION STUDY WITH UDFCD TO INCREASE
USE OF RUNOFF VOLUME CONTROL BMP
OPTIONS BY DEVELOPER ENGINEERS

ANNUAL SEMSWA REPORT

IN PROGRESS POLICY AND PROCEDURES
DOCUMENTS

- ROW MAINTENANCE POLICY
- SUB-REGIONAL POND ACCEPTANCE POLICY
- MS4 PERMIT ENFORCEMENT POLICY

Special
Projects
Update

QUESTIONS?

