

### What Has Changed with the California Construction General Permit?

- **The property owner is held accountable.**
- SWPPP's preparation and storm water monitoring must be done by certified persons with more analysis.
- The SWPPP's are now submitted via on-line for review and approval to the State via the SMARTS system.
- More required BMP's (Best Management Practices) during construction.
- More reporting requirements and enforcement.

### How it applies to trail projects

"DETERMINING YOUR SWPPP REQUIREMENT"

START

Flowchart logic:

- Is it larger than 1 acre?
  - Yes: Site between 1 and 5 acres?
    - Yes: R Factor less than 5.0?
      - Yes: Site eligible for Rainfall Intensity Waiver, SWPPP not req'd.
      - No: SWPPP prep not required below dashed line.
    - No: Risk Level Determination table.
  - No: SWPPP prep not required below dashed line.

		RISK LEVEL DETERMINATION*		
		Sediment Risk Low	Med	High
Disturbing water body	Low Risk	Level 1	Level 2	Level 2
	High Risk	Level 2	Level 2	Level 3

\* 1. Consult General Permit to determine "R" 2. Consult General Permit to determine risk determination. For both sediment and receiving water.

## What is SMARTS?

### Stormwater Multi-Application & Report Tracking System

**SMARTS LOGIN**

User ID:

Password:

**Not signed up with SMARTS yet?**  
 To submit NOIs, NOTs, Annual Reports, and View/Print annual fees, please click the "Sign Up" button.  
[Sign Up](#) [Help](#)

**Forgot your password?**  
[Reset your password here](#)

**Interested in viewing submitted NOI/SWPPP documents or Annual Report data?**

**Purpose:** Provide an online tool to assist dischargers in submitting their NOIs, NECs, NOTs, and Annual Reports, as well as, viewing Receipt letters, and monitoring status of PRDs.

[www.smarts.waterboards.ca.gov/smarts/faces/swsmartslogin.jsp](http://www.smarts.waterboards.ca.gov/smarts/faces/swsmartslogin.jsp)

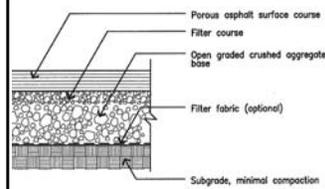


## Addressing Post-Construction Stormwater



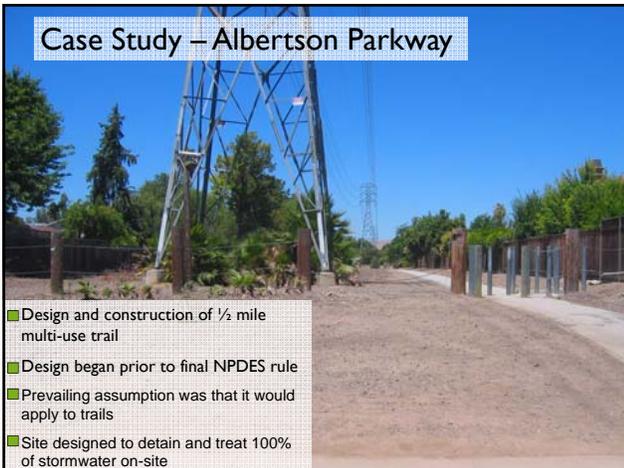
- **What is C.3?**  
Provision in NPDES Permit
- **Why does it exist?**  
Stormwater discharges are significant sources of pollutants  
Early pollutant control actions are warranted
- **What does it mean?**  
Must control/reduce non-stormwater discharges  
Must maintain/improve water quality of discharges

## Addressing Post-Construction Stormwater



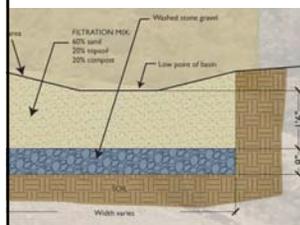
- **How does it apply to trail projects?**  
C.3.b Regulated Projects, Category (4) Road Projects:  
Projects that "create 10,000 s.f. or more of newly constructed contiguous impervious surface"  
"Construction of impervious trails that are greater than 10' wide or are creek-side"
- **Exceptions**  
Direct runoff to adjacent vegetated/non-erodible permeable areas  
Construct with permeable surfaces

## Case Study – Albertson Parkway



- Design and construction of 1/2 mile multi-use trail
- Design began prior to final NPDES rule
- Prevailing assumption was that it would apply to trails
- Site designed to detain and treat 100% of stormwater on-site

## Case Study – Albertson Parkway



- **Challenges/Obstacles**  
On-site stormwater detention/treatment  
Low maintenance  
PG&E transmission lines/towers
- **Solution/Opportunities**  
Bioretention areas that are attractive  
Landscape areas serve multiple roles (buffer, detention, aesthetics)  
Educational component to stormwater detention

### What you can do



- Avoid triggering C.3 requirements
- Manage stormwater treatment/detention requirements during planning
- Use drainage as a design element via LID techniques

### Turning Agencies into Project Partners

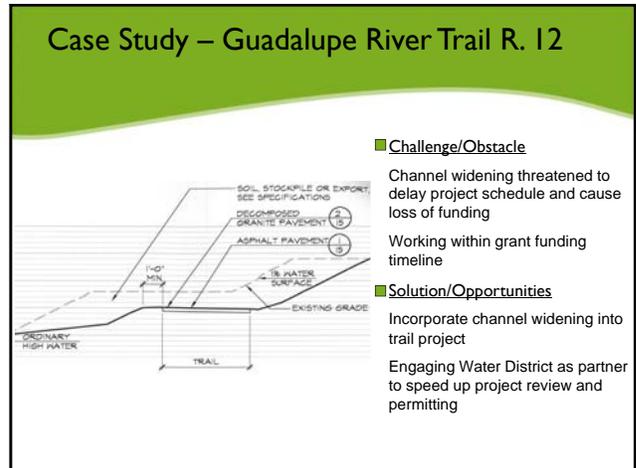


- 1 1/2 mile multi-use trail
- Master planned in 1988
- Received California River Parkways 2000 Water Bond state grant funds in 2002
- Initial project assumptions had changed from time of master plan approval

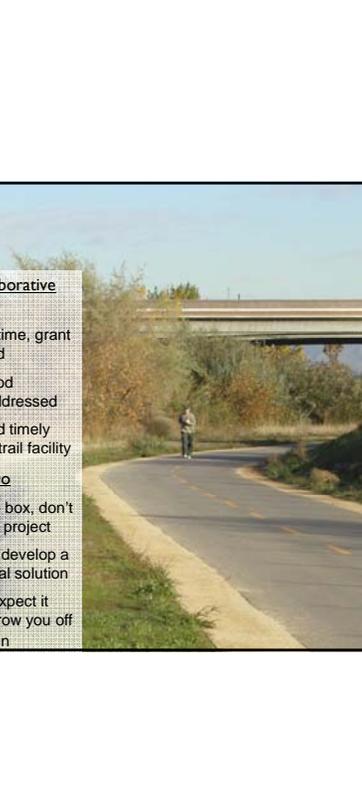


- Initial Assumptions
- Revised Assumptions

### Case Study – Guadalupe River Trail R. 12



- Challenge/Obstacle
  - Channel widening threatened to delay project schedule and cause loss of funding
  - Working within grant funding timeline
- Solution/Opportunities
  - Incorporate channel widening into trail project
  - Engaging Water District as partner to speed up project review and permitting



**Benefits of Collaborative Approach**

- Trail got built on time, grant funds fully utilized
- Water District flood improvements addressed
- The public gained timely access to a new trail facility

**What You Can Do**

- Think outside the box, don't let a 'no' stop the project
- Work together to develop a mutually beneficial solution
- Plans change - expect it and don't let it throw you off when they happen

### Red Legged Frog/San Francisco Garter Snake



- California Red Legged Frogs are only in California along the coast and in the Sierra foothills
- Listed as a near threatened species
- Protected area of 1.6 million acres in 27 counties
- SF Garter Snake are only in San Mateo and parts of Santa Cruz Counties
- Listed as endangered
- The SF Garter Snake's preferred prey is the California Red Legged Frog

### Half Moon Bay Trail Opportunities/Solutions



**Proposed Trail, 8'**  
Paved w/ two 2' wide decomposed granite shoulders

**PAVED AREA**  
15' Wide Concrete

Meadow, Existing

Riparian Vegetation, Existing

- Proposed Split-Rail Fence
- Proposed Interpretive Signage

- Minimize the trail's footprint
- Provide mitigation for the project

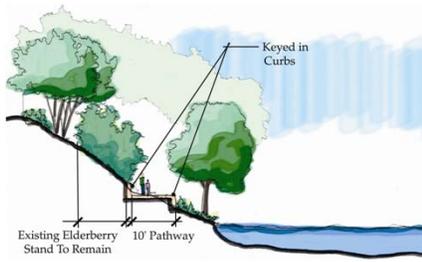
### Half Moon Bay Trail Opportunities/Solutions



- Teaming with agencies
- Additional seasonal wetland habitat / stormwater management areas
- On-site environmental education



### Putah Creek Opportunities/Solutions



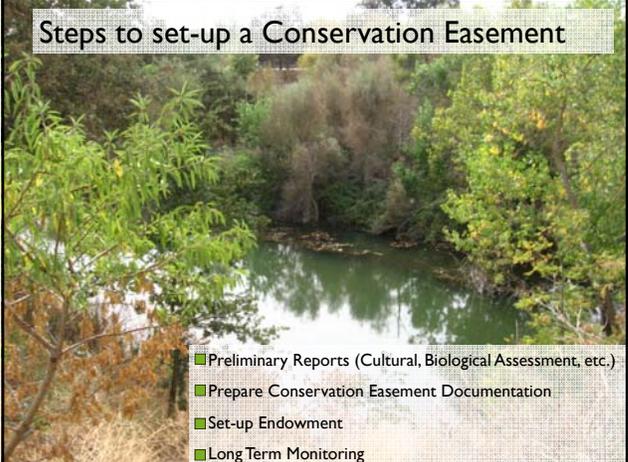
- On-site conservation easement
- Money for the project stays on-site
- Allows for mitigation for other nearby projects

Existing Elderberry Stand To Remain

10' Pathway

Keyed in Curbs

### Steps to set-up a Conservation Easement



- Preliminary Reports (Cultural, Biological Assessment, etc.)
- Prepare Conservation Easement Documentation
- Set-up Endowment
- Long Term Monitoring

### Additional Considerations – Avoidance vs. Easements



- PATIENCE – additional time for documents and approvals from Agencies
- Team work is a necessity!
- Extra costs related to an endowment
- Long-term monitoring/management

### What you can do



- Engage permitting/government agencies
- Plan for the unexpected
- Find Creative Solutions

Virginia Corfido, Modesto

QUESTIONS?

