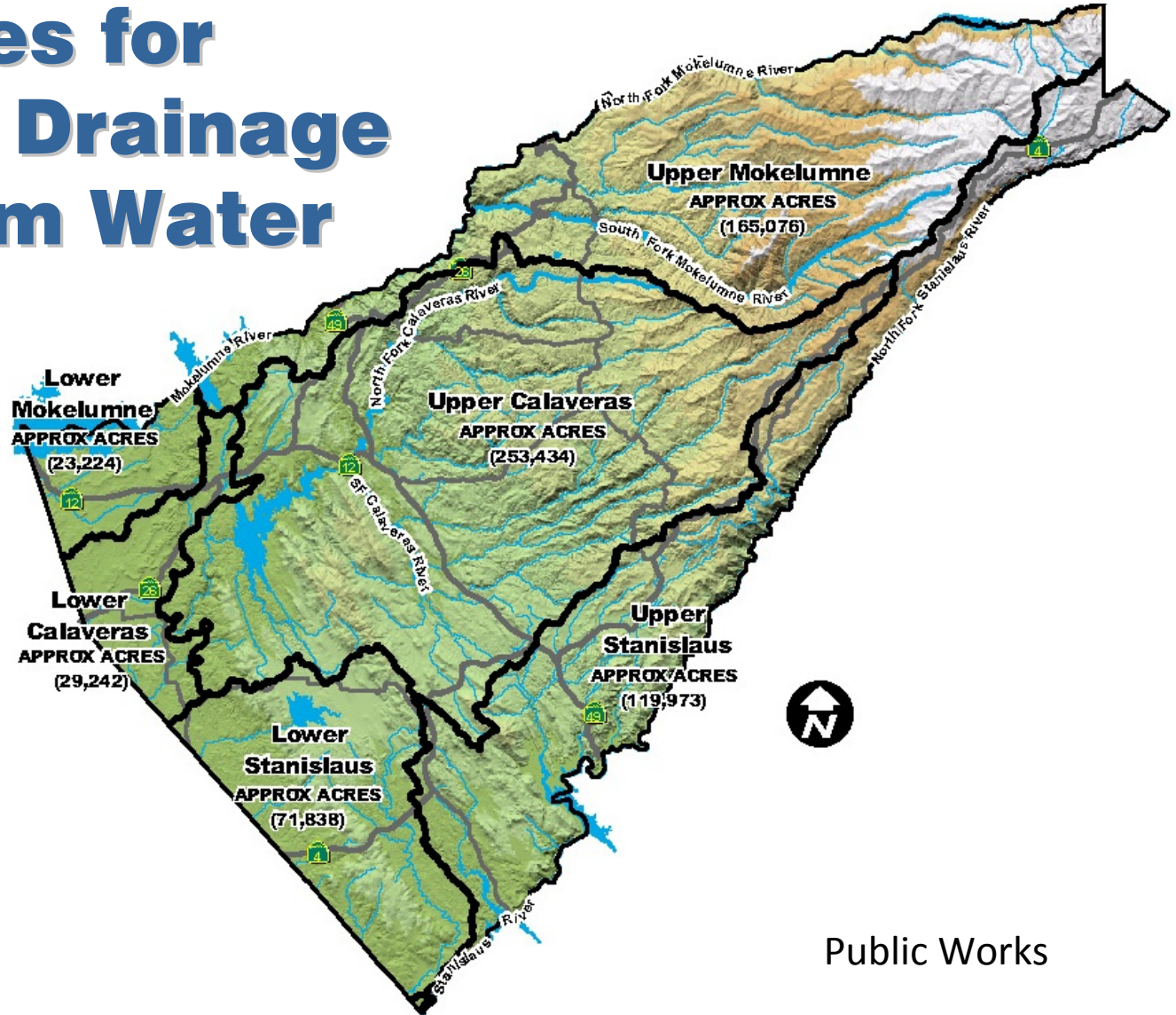
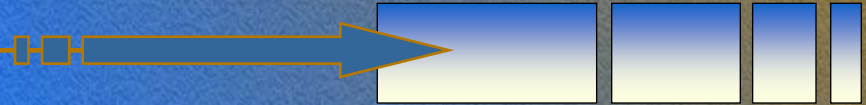


Staff Training

New Rules for Grading, Drainage and Storm Water Quality



Scope and Purpose of Session



- Provide overview of significant changes in the rules to take effect in 2008
- Outline procedural changes needed to implement new rules
- Survey information sources available to staff and public
- Identify steps needed for follow up and implementation

Changes!



On December 4, 2007, the Calaveras County Board of Supervisors adopted:

- Storm water quality ordinance
- Grading and drainage ordinance, including a design manual and fee schedule

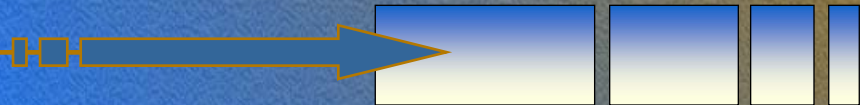
Regulator's Role



- Purpose of the new rules and our role in the process is to:
 - Protect public health and safety, and the environment
- Distinguished from the owner's rep role. We are not involved in:
 - Aesthetics
 - Value
 - Good sense

Storm Water Quality

Key Concepts



- **Purpose.** To control the discharge of pollutants into County-maintained storm water collection and conveyance systems
- **Prohibitions.** It shall be unlawful to allow non-storm water discharges into County-maintained storm water drainage systems
- **Key Definitions**
 - “Non-storm water discharges” are those flows that do not consist entirely of storm water
 - “County-maintained storm water collection and conveyance systems” includes drop inlets, culverts and roadside ditches that discharge to waters of the US (blueline streams)

Storm Water Quality

Examples of Prohibited Discharges



- Oil, grease, or other lubricants
- Hazardous waste materials, including paints, petroleum-based solvents, varnishes, stains, and similar coating materials
- Gasoline or diesel fuel
- Sanitary wastewater

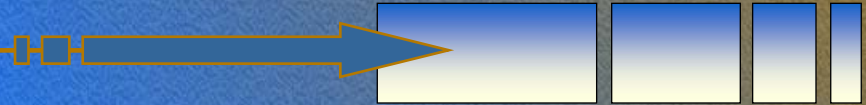
Storm Water Quality

Examples of Acceptable Non-storm Water Discharges



- Water line flushing
- Landscape irrigation and lawn watering
- Diverted stream flows and springs
- Rising ground waters, uncontaminated pumped ground water, and uncontaminated ground water infiltration including foundation drains
- Discharges from potable water sources
- Air conditioning condensate
- Irrigation water
- Crawl space pumps
- Residential car washing
- Flows from riparian habitats and wetlands
- Dechlorinated swimming pool discharges

Storm Water Quality Progressive Enforcement Policy



- Notification/Outreach
- Notice of Correction
- Civil Penalties (up to \$5,000 per day)

Storm Water Quality



- Public Works' role
 - Run hotline
 - Respond to complaints
 - Perform dry season inspections of storm water drainage system
- Another tool for “encouraging” compliance with grading and drainage standards

Storm Water Quality



- Questions?

Grading and Drainage

What Changes Have Been Made?



The recently-adopted grading and drainage ordinance will result in the following changes:

- Clearly-articulated local authority
- Tiered permitting strategy
- Tiered fee schedule
- Progressive enforcement
- A design manual to assist with compliance
- Bonding to assure ongoing maintenance for engineered projects

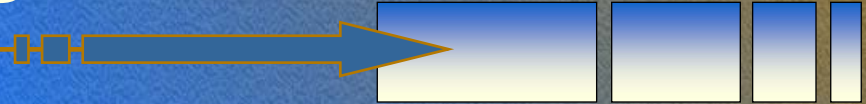
Grading and Drainage

Key Concepts



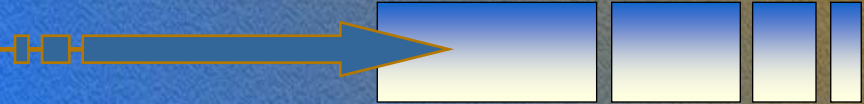
- ***Applicability.*** New rules apply to work that is not covered by a complete application that was submitted before January 3
- ***New exemptions.*** Agricultural operations on land zoned A-1 or RA, structural excavation
- ***New inclusions.*** Any work in a floodplain or that would otherwise be exempt except that engineered permit thresholds are triggered
- ***New construction standards.*** None

Grading and Drainage Tiered Permitting



Category		Activity
Permit Exempt Activities		Certain grading activities are exempt from the requirement to obtain a grading permit.
Permit Required	Notification	Projects involving minor quantities and considered a de minimus threat. Process is comparable to a “burning permit”
	Minor	Between 50 and 1,000 cubic yards
	Engineered	Greater than 1,000 cubic yards
Prohibited Activities		Any grading activity that will create a hazard to public health and safety is prohibited.

Grading and Drainage Tiered Fee Schedule



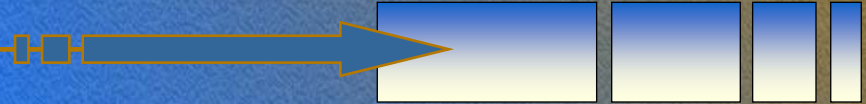
Permit Tier	Fees	
	Permitting and Plan Review	Inspection
Exempt activities	No cost	Not applicable
Notification	\$0.00	
Minor	\$120.00	\$240.00
Engineered	Time and expenses ^[1]	Time and expenses ^[2]

[1] Public Works will provide not-to-exceed estimate to the applicant at the time of application.

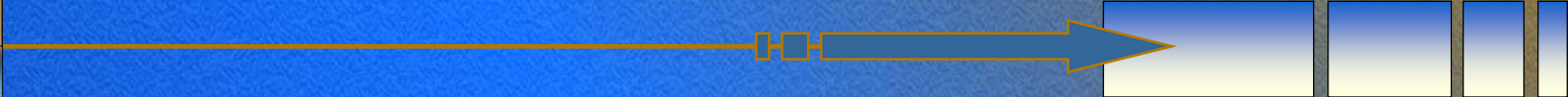
[2] Public Works will provide not-to-exceed estimate to the applicant at the time of permit issuance.

Grading and Drainage Engineering Standards

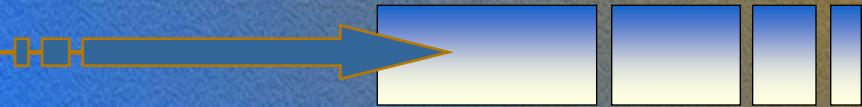
- Engineering
- CQA
- As-built certification



Grading and Drainage Progressive Enforcement Policy

- 
- Notification/Outreach
 - Notice of Violation
 - Stop Work Order
 - Criminal or Civil Penalties (up to \$10,000 per day)

Grading and Drainage Design Manual



A design manual has been developed to assist with compliance

- The Guts
 - Permit application and process
 - Definitions
 - Standards
 - BMPs

- It is a work in progress and will evolve to include more information about BMP design and implementation, enforcement procedures, etc.

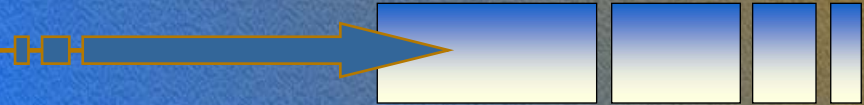
Continuing Public Outreach



- Public notice of ordinance adoption and effective date
- Direct mailing to developers, engineers and contractors with notice of rule changes
- Conduct workshops in early 2008
- Prepare an informational “Toolkit” to be made available to contractors, engineers, and developers (aka webpage)
- Develop informational webpage
- Operate web and phone hotlines

Webpage

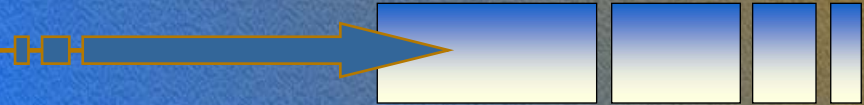
Grading, Drainage, and Erosion Control



- Webpage will provide access to:
 - New rules including design manual and fee schedule
 - Current Public Works policy and procedures including application form
 - Links to BMP design and implementation resources
 - Reporting Hotline

- Webpage will be up before the end of the year

Follow Up and Implementation



Date	Action
December 30	Permit Desk Manual to include tiered permit guidelines (<i>Calculator</i>), fee estimates for engineered projects, interagency coordination (RWQCB, CDA, etc.), enforcement procedures, permit tracking and monitoring, etc.
January 3	Ordinances take effect
Early 2008	Public outreach, engineers and contractors workshops
Summer 2008	Study session to review successes and failures of program
General Plan Update	Address outstanding issues relative to sensitive water basins, low impact design, etc.