



# CRA BULLETIN

September  
2016

Administration • Building & Safety • County Surveyor • Engineering • Environmental Health • Fleet Services • GIS • Housing • Planning • Roads • Solid Waste

## EROSION CONTROL MEASURES

Please be advised that the deadline for implementing erosion control measures on a construction site is October 15<sup>th</sup>. All soils that have been disturbed by grading must be seeded or hydro-mulched by that date and other erosion control measures must be installed.

A handout on Erosion Control is attached to assist you in implementing the required measures. This handout will also be mailed to all owners of property and contractors who have active Building, Grading, or Grading Review Permits.

Once you have completed the erosion control measures for your project site, please contact the Building and Safety Division Inspection Line at (209) 533-5940 if your project is being constructed under a Building Permit. If your project is under a Grading Permit or Grading Review Permit, please call the Engineering Development Division Inspection Line at (209) 533-6533.

Inspections will be conducted to ensure that the erosion control measures have been properly implemented. Follow-up inspections

will also be conducted to verify that the measures are being maintained to control erosion and retain sediment on the project site throughout the period of October 15<sup>th</sup> through May 15<sup>th</sup>.

Any grading between October 15<sup>th</sup> and May 15<sup>th</sup> requires a Supplemental Permit to Grade from the Engineering Division of the CRA. The permit application must be signed by the owner or authorized agent prior to issuance. This permit will be issued after an erosion control plan has been received and approved by the Engineering Division of the CRA.

Please be advised that if erosion control measure requirements are not met, the CRA may have the necessary work done and the cost will be assessed to the property owner in accordance with Section 12.20.110 of the Tuolumne County Ordinance Code.

The California Regional Water Quality Control Board may also have enforcement authority over individual projects and assess associated fines and penalties for any violations.

If you have questions or would like additional information, please contact Deputy CRA Director Duke York at 533-5633.

## EROSION CONTROL TRAINING

Rich Muhl from the Regional Water Quality Control Board will give a presentation on erosion control and stormwater monitoring on:

**Tuesday, September 27, 2016**  
**8:00 a.m.**  
**Board Chambers, 4th Floor**  
**County Administration Center**  
**2 South Green Street**  
**Sonora**

Mr. Muhl is an excellent speaker and is very knowledgeable in erosion control techniques and State requirements.

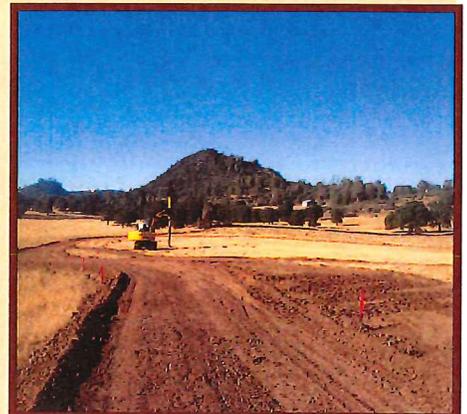
Compliance with these requirements is a State mandate to protect the quality of water bodies.

Mr. Muhl will address post construction methods that can be used to mitigate the quality and quantity of stormwater runoff.

Mr. Muhl's presentation will be videotaped and televised on Channel 8 prior to the October 15<sup>th</sup> deadline for implementing erosion control measures on all construction sites.

For additional information on this training or about the erosion

control standards which must be implemented by October 15<sup>th</sup>, please contact Deputy CRA Director Duke York at (209) 533-5633.





## COMMENTS

The Community Resources Agency welcomes your comments and suggestions on how we can provide better service to you. Comment cards are provided at the CRA Information Center and County Surveyor counter. Members of the CRA Staff are continuing to meet with representatives of the Tuolumne County Building Industry to address ways to enhance our service to you.

## ASSISTANCE

For assistance with your development project or information on any of our programs, please contact us at:

Physical: 48 Yaney Avenue  
Sonora, CA 95370

Mailing: 2 South Green Street  
Sonora, CA 95370

### Telephone:

Main Line: 209-533-5633  
Fleet Services: 209-536-1622

### Fax:

Main Line: 209-533-5616  
Fleet Services: 209-588-9064  
Roads: 209-533-5698  
Environ. Health: 209-533-5909

### Inspection Requests:

Building: 209-533-5940  
Environ. Health: 209-533-5992  
Engineering: 209-533-6533

# TREE MORTALITY

Tuolumne County has continued to demonstrate its resilience as it experienced its third natural disaster in as many years. As the County was recovering from the devastation of the Rim Fire, which began on August 17, 2013, and eventually burned over 257,000 acres, it was faced with the disastrous effects of four years of the most severe drought in California's history. The drought impacted groundwater supplies, causing wells and springs to run dry. The severe and prolonged drought has also resulted in pervasive tree mortality in Tuolumne County and throughout the Sierras.

It has been estimated that more than 66 million trees have already died in California due to drought conditions.

The tree mortality significantly increases wildfire risk, and presents life safety hazards from falling trees. Several counties, including Tuolumne, have declared local states of emergency due to the tree mortality.

On October 30, 2015, Governor Brown declared a state of emergency on the tree mortality epidemic which includes provisions to expedite the removal of dead and

dying hazardous trees. The declaration provides California Disaster Assistance Act (CDAA) funding to aid local jurisdictions in removing the hazardous trees. The CDAA funding provides 75% reimbursement for all eligible costs related to removal of hazard trees that threaten public infrastructure.

Counties, Cities and Special Districts are eligible for reimbursement through CDAA. CDAA does not provide assistance to private property owners or businesses.

Tuolumne County immediately applied for CDAA funding and received approval on November 18, 2015. A plan was developed for removing trees along County maintained roads and near other County facilities. Mike Albrecht was hired as the Tree Mortality Project Manager to implement the plan.

Tuolumne County Supervisors Randy Hanvelt and Sherri Brennan, County OES Coordinator Tracie Riggs and Mr. Albrecht serve as members of the Governor's Tree Mortality Task Force. This task force meets on a monthly basis and provides a forum for coordination and information sharing among local, state,



federal, private and non-profit agencies in an effort to ensure public safety and continuity of essential services from the threat of tree mortality across the State of California.

The following tree removal efforts are taking place in the County and they will continue as additional dead trees are identified:

1. PG&E contracts with ACRT to mark trees that threaten PG&E power lines. PG&E also contracts with various tree removal companies. Phillips and Jordan is running PG&E's debris removal program, which homeowners can participate in by calling 1-800-743-5000.

2. Tuolumne County is marking and removing trees that can fall onto or over a County maintained road, or County maintained structure. CAL FIRE is providing crews from Baseline Conservation Camp to chip the slash and debris.

3. Caltrans is removing trees that threaten state highways, such as Highways 108, 120 and 49.

4. Tuolumne Utilities District and Twain Harte Community Services District are removing trees that threaten their infrastructure.

Additional information regarding these hazard tree removal efforts can be found on the County's website at: [www.tuolumnecounty.ca.gov](http://www.tuolumnecounty.ca.gov).

## 2016 Building Code

The California Building Standards Commission has adopted the 2016 California Building Code which will go into effect on January 1, 2017.

Chief Building Official Doug Oliver will be scheduling free training sessions on the 2016 California Building Code. These sessions will be conducted in November and December. Contractors, engineers, architects and other interested parties are encouraged to attend.

For more information, please contact Chief Building Official Doug Oliver at (209) 533-5633.



## 2016 ENERGY CODE



Title 24 Part 6  
**Essentials**

**Residential Standards**

**Plans Examiners & Building Inspectors**

The California  
Statewide Codes  
& Standards Program

Here to help you  
meet the requirements  
of Title 24, Part 6  
and Title 20

We offer FREE

- Trainings
- Tools
- Resources

All designed to  
improve compliance  
with California's  
building and appliance  
energy efficiency  
standards and lock in  
long-term energy  
savings.



**EnergyCodeAce.com**

## FREE 2016 Energy Code Training

This hands-on course designed to provide plans examiners and building inspectors with the knowledge and skills needed to more quickly and effectively enforce the 2016 Energy Code for residential projects.

### Join us for this course to:

- Understand the 2016 building energy efficiency standards for residential new construction, additions, and alterations
- Understand the purpose of each of the residential compliance forms and related documents
- Effectively communicate energy efficiency compliance options and requirements to builders and clients
- Apply your knowledge of the standards to typical job tasks

**DATE:** Tuesday, October 4, 2016

**TIME:** 8:30am - 4:30pm

**LOCATION:** Tuolumne County Ambulance  
18440 Striker Ct., Sonora, CA 95370

**INSTRUCTOR:** Brian Selby

**COST:** FREE

**REGISTER:** [goo.gl/1FcHAZ](http://goo.gl/1FcHAZ)

Continental breakfast and lunch provided. All participants receive a comprehensive workbook and tools they can use on the job.

For more information, contact [training@energycodeace.com](mailto:training@energycodeace.com)

Find out about all our free trainings at  
[www.EnergyCodeAce.com/training](http://www.EnergyCodeAce.com/training)

Visit [www.EnergyCodeAce.com](http://www.EnergyCodeAce.com) to find out how our free tools, trainings and resources can help you play your cards right by complying with California's building and appliance energy codes and standards. And while you're there, register so we can keep you updated about our new offerings, and Title 24, Part 6 and Title 20 news.



This program is funded by California utility customers under the auspices of the California Public Utilities Commission.



## Erosion Control Plan

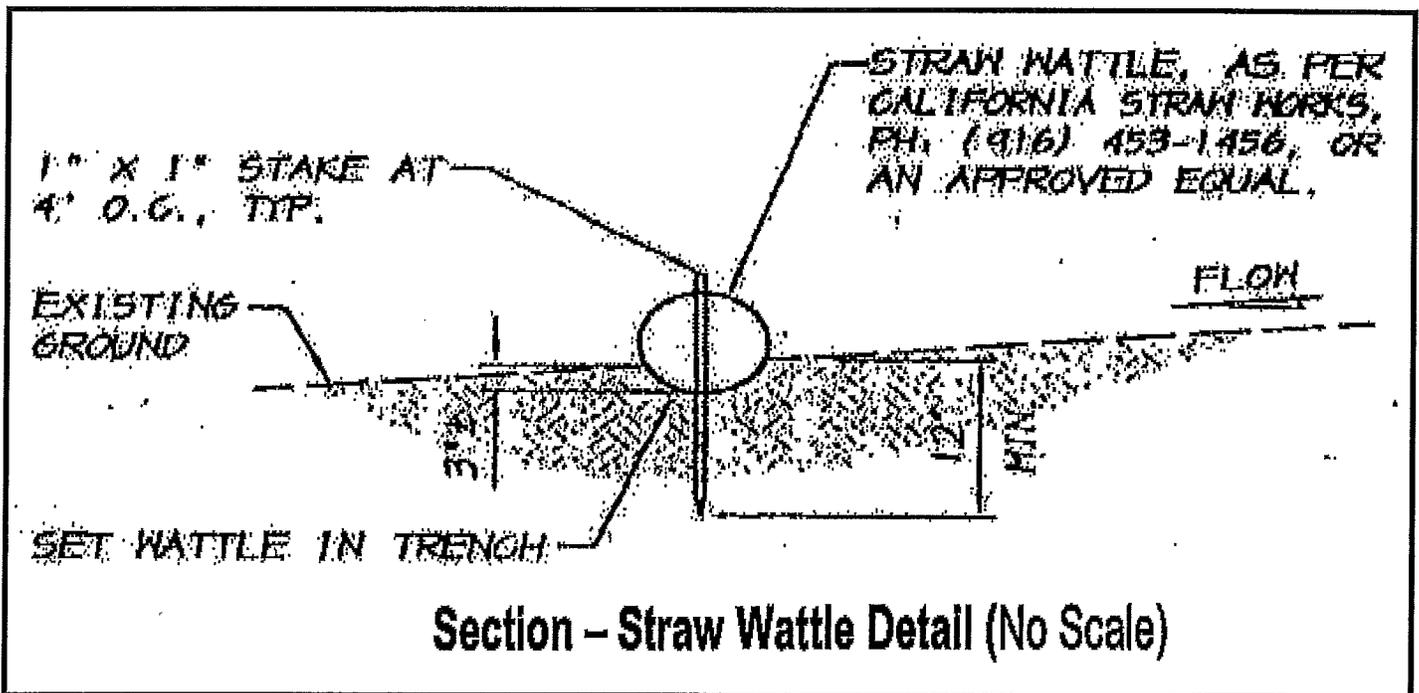
1. This erosion control plan was prepared as an exhibit to the Storm Water Pollution Prevention Plan (SWPPP). As required by the State Water Resources Control Board, the facilities shown on this Plan are designed to control sediment during the rainy season after rough grading has been completed. Erosion control measures are to be operable prior to October 15<sup>th</sup> and through April 15<sup>th</sup> of any year during which grading operations has left areas unprotected from erosion. No grading will occur between October 15<sup>th</sup> and April 15<sup>th</sup> unless authorized by the Deputy CRA Director – Roads.
2. During the rainy season, all paved areas shall be kept clear of earth materials and debris. The site shall be maintained so as to minimize sediment-laden runoff to any storm drainage system.
3. Construction entrances consisting of aggregate or geotextile fabric shall be provided at each vehicle access point to existing paved roads.
4. All erosion control measures shall be maintained until disturbed areas are stabilized. This plan may not cover all of the situations that arise during construction due to unanticipated field conditions. Revisions may be made to the Plan in the field, subject to the approval of the Deputy CRA Director – Roads.
5. Borrow areas and temporary stockpiles shall be protected with appropriate erosion control measures to the satisfaction of the Deputy CRA Director – Roads.
6. Construction operations shall be carried out in such a manner that erosion and water pollution will be minimized. State and local laws concerning pollution shall be complied with.

### **Silt Fences:**

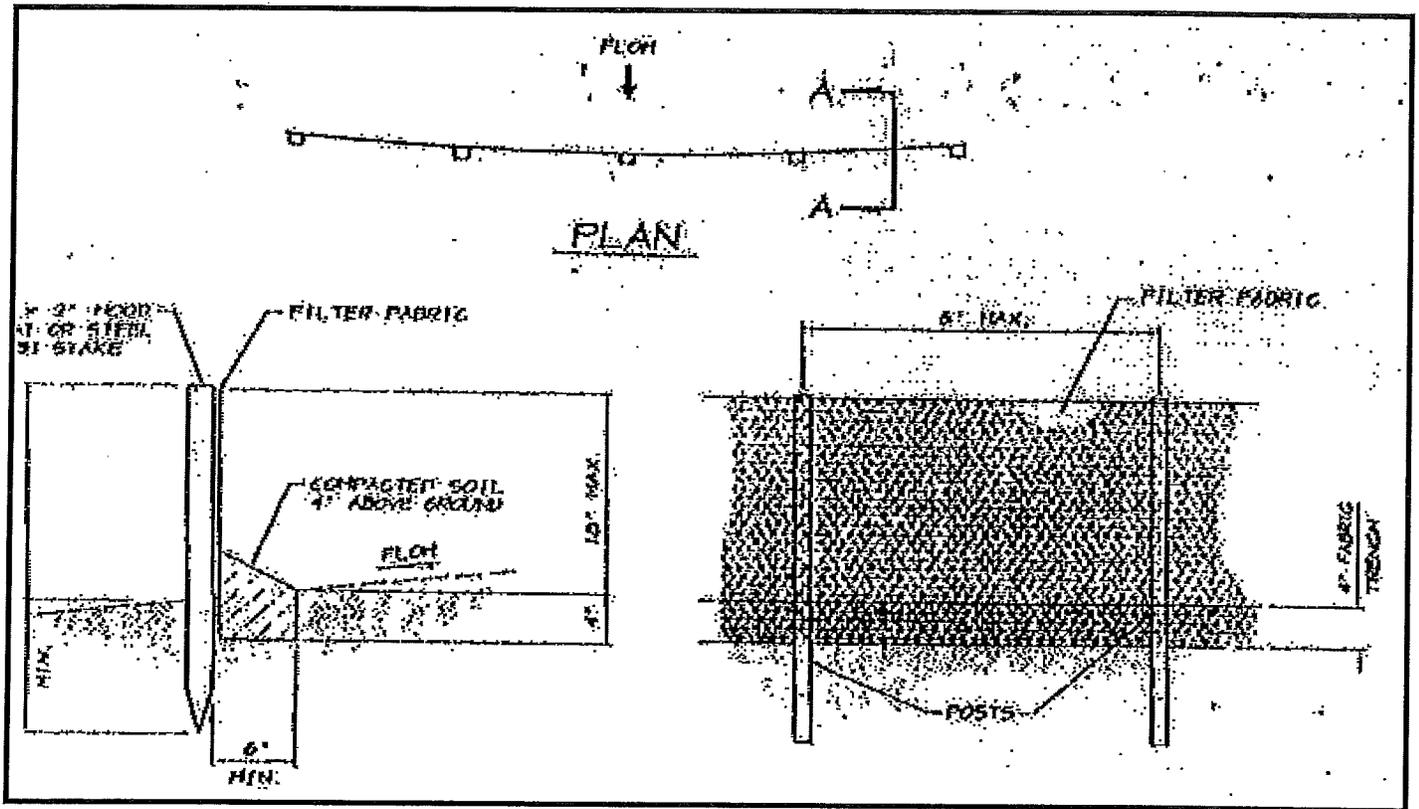
7. If possible, silt fence fabric shall be cut from a continuous roll to avoid the use of joints. When joints are necessary, filter fabric shall be spliced at a support post, with a minimum of 6 inches overlap, and with both ends securely fastened to the post.
8. Silt fences shall be removed when they have served their useful purpose but not before the upslope area has been permanently stabilized.
9. Filter fabric shall be No. 2125 as manufactured by AMOCO Construction Fabrics, or an approved equivalent.

## Seeding:

10. Seed and mulch shall be applied by September 15<sup>th</sup> to all disturbed slopes steeper than 2 percent and higher than 3 feet, and to all cut and fill slopes located within or adjacent to public rights-of-way, or as directed by the Deputy CRA Director – Roads.
11. Seed and fertilizer will be applied hydraulically or by hand at the following rates: Zorro Annual Fescue, 10 lbs per acre; Rose Clover, 8 lbs per acre; Hydromulch Fiber, 1,500 lbs per acre; 16-20-0 Fertilizer (ammonium phosphate), 300 lbs per acre; and Zackifier, 80 lbs per acre. On slopes, straw shall be applied by blower or by hand and anchored in place by punching. Fiber mats are also an acceptable alternative
12. If plant growth is inadequate for erosion control, overseed using half the rate of the original application. If the growth is over 60 percent damaged, replant using the original specifications. This should be done 14 to 21 days after the initial planting.
13. Alternative erosion control techniques must be used in the event that adequate vegetation is not established prior to the first anticipated significant rain event of the season.



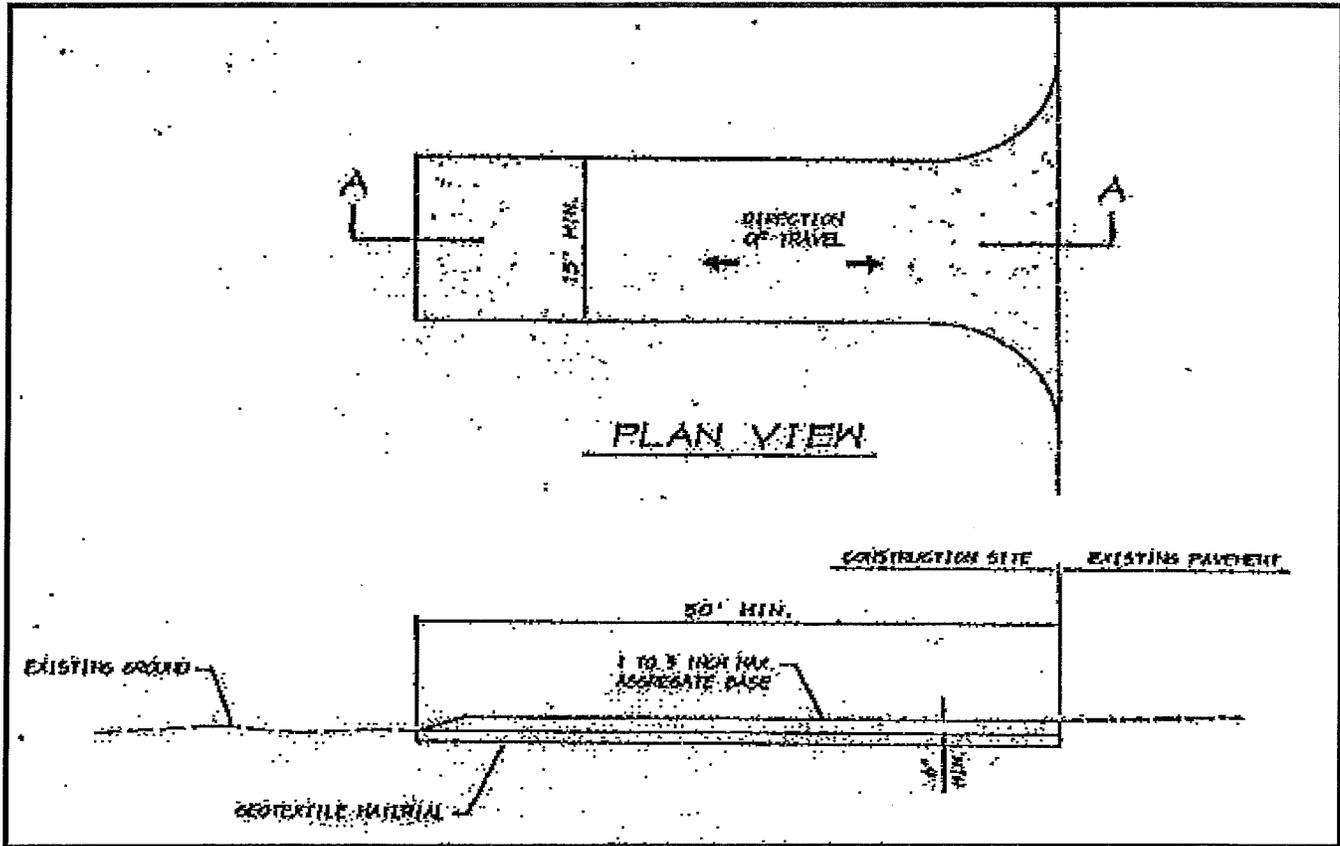
**Note:** The Contractor shall inspect wattles weekly and after each rainfall. Repairs shall be made as necessary and sediment shall be removed when it has accumulated to a depth of 4 inches. Wattles shall be replaced when they have been damaged, collapsed, or decomposed.



**Silt Fence Filter Barrier**  
No Scale

**Silt Fence Filter Barrier:**

1. Filter barrier shall be constructed long enough to extend across the expected flow path and as approved by the Deputy CRA Director – Roads.
2. Filter fabric shall be propylene, nylon, polyester, or ethylene yarn with a minimum tensile strength of 50 lbs per linear foot at 20 percent maximum elongation and containing ultraviolet inhibitors. Filter fabric shall retain a minimum of 85 percent of the soil, by weight, based on sieve analysis, but shall be no finer than an equivalent opening size of 70.
3. Support posts shall be, at minimum, 30 inch long 2" x 2" wood posts or steel form stakes, to be driven a minimum of 12 inches into the ground. Posts shall be spaced a maximum of 6 feet apart.
4. A 4 inch fabric trench shall be excavated along the uphill side of filter barrier posts. The bottom edge of the fabric shall extend to and across the bottom of the trench. The trench shall be back filled to 4 inches above ground and compacted to bury and secure the bottom of the filter fabric.
5. Contractor shall make inspections weekly during the wet season, monthly during the dry season, and immediately after each rainfall to determine if repairs and sediment removal is required. Sediment shall be removed before it has reached 1/3 the height of the filter fabric.



## **Stabilized Construction Site Access**

No Scale  
**Section A-A**

### **Stabilized Construction Site Access:**

1. Stabilized construction site access shall be constructed of 1" to 3" maximum size aggregate base material conforming to County standards and shall be placed to a minimum thickness of 6". The method of placing, spreading, and compacting aggregate base material shall conform to Section 26 of the State Specifications.
2. The length of the entrance shall be a minimum of 50' and its width shall be a minimum of 15' or greater if necessary to cover all vehicular ingress and egress. Provide ample turning radii.
3. The entrance shall be kept in good condition by occasional top dressing with aggregate base material.
4. Accesses shall be inspected weekly during periods of heavy usage, monthly during normal usage, and after each rainfall, with maintenance provided as necessary. Periodic top dressing shall be done as needed.