



# **EROSION CONTROL, SEDIMENT CONTROL AND WATER QUALITY NOTES**

CITY OF ORANGE  
PUBLIC WORKS DEPARTMENT

JULY 2019

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## **Erosion Control, Sediment Control and Water Quality Notes:**

1. In case of emergency, call \_\_\_\_\_ at: (714) \_\_\_\_\_ during business hours, and (714) \_\_\_\_\_ all other times.
2. A stand-by crew for emergency work shall be available at all times. Necessary materials shall be available on site and stockpiled at convenient locations to facilitate rapid construction of temporary devices when rain is imminent.
3. The civil engineer or other responsible individual shall submit plans for review by the City Engineer detailing the placing of erosion control facilities to protect areas subject to storm damage. All devices must be in place and working at all times. Failure to provide these devices will be cause to revoke permits or approvals by the City Engineer and/or Building Official.
4. Devices shall not be moved or modified without the approval of the City Inspector.
5. Except as otherwise approved by the City Inspector, removable protective devices shown shall be in place at the end of each working day or on weekends when the 5 day rain probability forecast exceeds 40%.
6. The placement of additional devices to reduce erosion damage within the site is left to the discretion of the field engineer.
7. Desilting basins may not be removed or made inoperable without prior approval of the City Inspector.
8. Erosion control devices shall be modified as needed as the project progresses, and plans of these changes submitted for approval as required.
9. Insure that all existing drainage courses and culverts are maintained in working condition and free of silt & debris.
10. Sediment from areas disturbed by construction shall be retained on site using structural controls to the Maximum Extent Practicable.
11. All loose soil and debris which may create a potential hazard to offsite property shall be removed from the site as directed by the Inspector.
12. After a rainstorm, all silt and debris shall be removed from check berms and desilting basins and basins pumped dry.
13. Stockpiles of soil shall be properly contained to minimize sediment transport from the site to streets, drainage facilities or adjacent properties via runoff, vehicle tracking, or wind.
14. Appropriate BMPs for construction-related materials, wastes, spills or residues shall be implemented to minimize transport from the site to streets, drainage facilities, or adjoining property by wind or runoff.
15. Runoff from equipment and vehicle washing shall be contained at construction sites unless treated to remove sediment and other pollutants.

16. All construction contractor and subcontractor personnel are to be made aware of the required Best Management Practices and good housekeeping measures for the project site and any associated construction staging areas.
17. At the end of each day of construction activity all construction debris and waste materials shall be collected and properly disposed in trash or recycle bins.
18. Fill slopes at the site perimeter must drain away from the top of slope at the conclusion of each working day.
19. A guard shall be posted on the site whenever the depth of water in any device exceeds two (2) feet.
20. Construction sites shall be maintained in such a condition that an anticipated storm does not carry wastes or pollutants off the site. Discharges of material other than stormwater are allowed only when necessary for performance and completion of construction practices and where they do not: cause or contribute to a violation of any water quality standard; cause or threaten to cause pollution, contamination or nuisance; or contain a hazardous substance in a quantity reportable under federal regulations 40 cfr parts 117 and 302.

Potential pollutants include but are not limited to: solid or liquid chemical spills; wastes from paints, stains, sealants, glues, lime, pesticides, herbicides, wood preservatives and solvents, asbestos fibers, paint flakes or stucco fragments; fuels, oils, lubricants, and hydraulic, radiator or battery fluids; concrete, detergent or floatable wastes; wastes from any engine/equipment steam cleaning or chemical degreasing; and superchlorinated potable water line flushings.

21. During construction, disposal of such materials should occur in a specified and controlled temporary area on-site physically separated from potential stormwater runoff, with ultimate disposal in accordance with local, state and federal requirements.
22. Dewatering of contaminated groundwater, or discharging contaminated soils via surface erosion is prohibited. Dewatering of non-contaminated groundwater requires a National Pollutant Discharge Elimination System (NPDES) permit from the respective state regional water quality control board.
23. Take necessary precautions to insure that adjacent property not suffer damage due to debris, mud, or inundation caused by grading activities within permitted area.
24. Place erosion protection around all outlets of downdrains that are not fully connected to the ultimate drainage device.
25. Place erosion protection around all ultimate inlets while the possibility of siltation exists prior to ultimate slope planting becoming effective.
26. Restore all vegetation and planting on the existing slope to original condition.