

**Grading Notes:**

- All grading shall conform to the latest California Building Code (CBC) Chapters 17, 18, Appendix J and all applicable sections.
- A grading permit shall be obtained prior to commencement of any work on the site.
- Issuance of a grading permit does not eliminate the need for permits from other regulatory agencies with regulatory responsibilities for construction activities associated with the work authorized in this plan.
- All work under this permit shall be limited to work within the property lines. A separate construction, excavation or encroachment permit from the Department of Public Works may be required for any work within the County right-of-way.
- Approval of these plans does not authorize any work or grading to be performed until the effective propertyowner's permission has been obtained and valid grading permit has been issued.
- This plan is for grading purposes only and is not to be used for the purpose of constructing onsite or offsite improvements. Issuance of a permit based on this plan does not constitute approval of driveway location or size, parking lot structural sections or layout, ADA related requirements, building locations or foundations, walls, curbs, offset drainage facilities or other items not related directly to the basic grading operation. Create improvements shall be constructed in accordance to the approved building permit plans. Offsite improvements shall be constructed in accordance to plans approved for this purpose by the Public Works Department.
- Maximum cut and fill slope = 2:1 (horizontal to vertical) and maximum vertical height = 30 feet, unless an approved geotechnical report can justify a steeper and taller slope.
- No fill shall be placed on existing ground until the ground has been cleared of weeds, debris, topsoil and other deleterious material.
- Fill slopes shall not have less than 90% relative compaction, or as recommended on the approved geotechnical report.
- It is the grading contractor's responsibility to ensure that adequate compaction has been attained on the entire grading site, including fill areas outside the building pads and all fill slopes.
- Unless otherwise recommended in an approved geotechnical report, over excavation shall be at least 24 inches minimum below the bottom of footings or to competent native soil or bedrock materials, whichever is deeper, as approved by the project's geotechnical engineer or geologist.
- Earthwork Volumes:  
Cut \_\_\_\_\_ (cy), Fill \_\_\_\_\_ (cy), Total Disturbed Area \_\_\_\_\_ (sf)
- Earthwork quantities are shown for grading permit purposes only, and San Bernardino County is not responsible for their accuracy.
- A copy of the grading permit and approved grading plans must be in the possession of a responsible person and available at the site at all times.
- Any onsite retaining walls shown on the grading plans that are over 4' in height, measured from top of wall to bottom of footing, are for reference only. Retaining walls over 4' in height are not checked, permitted, or inspected per the grading permit. A separate retaining wall permit is required for all retaining walls over 4' in height.
- Any walls, fences, structures and/or appurtenances adjacent to this project are to be protected in place. If grading operations damage or adversely affect said items in any way, the contractor and/or developer is responsible for working out an acceptable solution to the satisfaction of the affected property owner(s).
- For sites with protected species or trees, the proposed grading may be subject to a separate permit.
- Adequate fire access around buildings (including garages) should be provided as approved by County Fire.
- Existing drainage courses shall not be obstructed, altered, or diverted without prior approval from the County of San Bernardino, Land Development Division. A streambed alteration agreement may also be required from the California Department of Fish and Wildlife.
- Drainage easements shall not be obstructed, altered or diverted without prior approval of the County of San Bernardino, Land Development Division.
- Setbacks and building locations shown on this plan are for reference only and must be reviewed and approved under a separate building permit.
- Utility and septic improvements shown on this plan are for reference only and must be reviewed and approved under a separate building permit.
- On projects disturbing one acre or more, the following note must be added: A Notice of Intent (NOI) has been, or will be filed with the State Water Resources Control Board (SWRCB) and a Storm Water Pollution Prevention Plan (SWPPP) has been or will be prepared in accordance with the requirements of California General Permit for storm water discharges associated with construction activities (Permit No. CA0000022) for all operations associated with these plans. The permittee shall keep a copy of the SWPPP on site and available for review by County.
- In conjunction with the California General Permit for proposed disturbance over one acre, an active Wastewater Discharge ID # (WDDI) must be included on the final grading plan.
- For engineered grading, a final grading certification will be collected by the building inspector at the final building inspection or prior a grading final sign on the permit. The final grading certification is to be completed by the Engineer of Record on the approved grading plans.
- All flood zone requirements must be reflected or accounted for on the grading plans. Elevations or construction notes must be included in the plans to ensure compliance with all applicable first floor elevation requirements per FEMA and San Bernardino County Development Code guidelines.
- For nonresidential projects, provide following note on plans:  
**California Green Building Standards Code**  
5.408.3 Excavated soil and land clearing debris.  
100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.  
**Exception:** Reuse, either on- or off-site, of vegetation or soil contaminated by disease or pest infestation.

**Notes:**

- If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material. (HYPERLINK: <http://www.cdfa.ca.gov/irec/toxcounty/contacts.htm>)
- For a map of known pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. ([www.cdfa.ca.gov](http://www.cdfa.ca.gov))

Note: Additional requirements may be applicable, as determined by the Building Official.

**Erosion Control Notes:**

- In case of emergency, call (Responsible Person) at (24 Hour telephone).
- Pollution and erosion prevention measures, also known as Best Management Practices (BMPs), must be installed prior to grading. These measures, including the prevention of sedimentation or flood damage, to offsite property shall be adequate whether or not an erosion control permit is required.
- Eroded sediments and other pollutants must be retained onsite and may not be transported from the site via sheet flow, swales, area drains, natural drainage courses, or wind.
- Erosion Control devices shall be functioning at all times. In case of failure, rapid construction of emergency devices shall be implemented.
- Stockpiles of earth and other construction-related materials must be protected from being transported from the site by the force of wind or water.
- Fuels, oils, solvents, and other toxic materials must be stored in accordance with their labeling and not to contaminate the soils and surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system.
- Excess or waste concrete must be contained onsite. Provisions shall be made to retain concrete wastes onsite until they can be disposed of as solid waste.
- Developers/contractors are responsible to ensure all Erosion Control Devices and BMPs are installed and functioning properly per plan. Precaution shall be considered when 50% or greater probability of predicted precipitation, and after actual precipitation. A construction site inspection checklist and inspection log shall be maintained at the project site at all times and available for review by the Building Official.
- Trails and construction-related soil washes must be disposed of into a covered receptacle to prevent contamination of rainwater and disposal by wind.
- Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental discharges must be swept up immediately and may not be washed down by rain or other means.
- Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.
- All fill and debris shall be removed from all devices within 24 hours after each rainstorm and be disposed of properly.
- All storm water capture devices shall be protected at all times.

**San Bernardino County - Lot Erosion and Sediment Control Requirements**

**Who needs to seek coverage under the State of California Construction General Permit (CGP)?**  
Stormwater discharges from construction activities that disturb one or more acres, or smaller sites discharging less than one acre that are part of a common plan of development or sale, are regulated under the National Pollution Discharge Elimination System (NPDES) stormwater permitting program. Prior to the start of construction, construction operators must obtain coverage under a NPDES permit, which is administered by the State. The CGP requires operators of construction sites to maintain erosion limits (i.e., through the implementation of erosion and sediment controls) and requires operators to develop a Storm Water Pollution Prevention Plan (SWPPP) detailing erosion and sediment controls, as well as pollution prevention measures that will be implemented to meet the requirements of the CGP.

**My site is less than 1 acre?**

If your project is less than one acre, the owner or contractor shall prepare an "Erosion Control Report" where erosion and sediment control plans and permits are required by Chapter 85.11.039 of the San Bernardino County Development Code. The Erosion Control Report Template is designed to help operators of residential sites develop a streamlined erosion control plan that meets the minimum requirements of the California Code of Regulations, Title 24. This simplified template does not change, relax, or modify any existing conditions in the Code, including the requirements for the County Erosion and Sediment Control Guidelines.



**How does it work?**

The Erosion Control Report (ECR) asks for specific information concerning pollution management during site construction. It is for the entire duration of the project. Basic site information is required along with a site plan presenting the erosion control Best Management Practices (BMPs). The report is a template with highlighted sections that can be edited on a computer or by hand.

Resources: The County-wide requirements are found at:

<http://cms.sbcounty.gov/hw/BUILDING/SAFE/PreConstErosionControl.aspx>



**Revised for Use In San Bernardino County Jan 2016**

Revised by EPA Document EPA 823-F-15-001 (October 2015)

**Erosion Control and Pollution Prevention**  
for  
**General Construction Sites**

DISCLAIMER: This flyer is provided for general informational purposes only. It is not intended to be a substitute for qualified professional judgment or on-site project specific needs.

**General Steps to Erosion Control and Pollution Prevention for Construction Sites**  
*Stormwater management on construction sites need not be complicated.*

- Protect Any Areas Reserved for Vegetation or Infiltration and Preserve Existing Trees**  
If you will be installing infiltration-based features such as rain gardens or bio-swales, make sure these areas are designated as off limits to avoid compaction. Save time and money by preserving existing mature trees during construction. Preserving mature trees minimizes the amount of soil that needs to be stabilized once construction is complete, and minimizes the amount of runoff during and after construction activity.
- Stockpile Your Soil**  
County Ordinance requires operators to preserve native topsoil on-site unless infeasible and protect all soil storage piles from run-on and runoff. For smaller stockpiles, covering the entire pile with a tarp may be sufficient.
- Protect Construction Materials from Run-On and Runoff**  
At the end of every workday and during precipitation events, provide cover for materials that could track pollutants.
- Designate Waste Disposal Areas**  
Clearly identify separate waste disposal areas on-site for hazardous waste, construction and domestic waste by designating with signage, and protect from run-on and runoff.
- Install Perimeter Controls on Downhill Lot Line**  
Install perimeter controls such as sediment filter logs or silt fences around the downhill boundaries of your site.
- Install Inlet Controls**  
Sediment control logs, gravel barriers, and sand or rock bags are options for effective inlet controls. Make sure to remove accumulated sediment whenever it has reached halfway on the control.
- Install a Concrete/Stucco Washout Basin**  
Designate a leak-proof basin lined with plastic for washing out used concrete and stucco containers. Never wash excess stucco or concrete residue down a storm drain or into a stream!
- Maintain a Stabilized Exit Pad**  
Minimize sediment track-out from vehicles exiting your site by maintaining an exit pad made of crushed rock spread over geotextile fabric. If sediment track-out occurs, remove deposited sediment by the end of the same work day.
- Post Your Erosion Control Report (ECR) and Keep Up-to-Date**  
Keep a copy of your ECR on-site. Post a sign or other notice of your ECR, including your Permit Number and site contact information. Also, keep a copy of your complete and up-to-date ECR on-site and easily accessible, including site maps showing where each Best Management Practices (BMP) is or will be installed.
- Site Stabilization**  
Immediately stabilize exposed portions of the site whenever construction work will stop for 14 or more days, even if work is only temporarily stopped. Remember, final stabilization is required prior to completing project.

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**Underground Service Alert**

Call: TOLL FREE  
1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG

PREPARED BY:	MARK	REVISIONS	APPROX DATE

RECOMMENDED BY:	APPROVED BY:

**COUNTY OF SAN BERNARDINO  
DEPARTMENT LAND USE SERVICES**

STANDARD GRADING AND EROSION CONTROL NOTES	FILE NO.  SHEET OF
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PRELIMINARY - FOR REVIEW PURPOSES ONLY