Checklist SW-3, Measures for Avoiding or Reducing Stormwater Impacts

**Checklist SW-3,   
Measures for Avoiding or Reducing Potential Stormwater Impacts**

Prepared by: Date: District-Co-Route:

PM: Project ID/EA: RWQCB:

The PE should confer with other functional units, such as Landscape Architecture, Hydraulics, Environmental, Materials, Construction and Maintenance, as needed to assess these issues. Summarize pertinent responses in Section 2 of the SWDR; do not discuss items identified as not applicable.

Options for avoiding or reducing potential impacts during project planning include the following:

1. Can the project be relocated or realigned to avoid/reduce impacts to receiving waters or to increase the preservation of critical (or problematic) areas such as floodplains, steep slopes, wetlands, and areas with erosive or unstable soil conditions?  Yes  No  NA
2. Can structures and bridges be designed or located to reduce work in live streams and minimize construction impacts?  Yes  No  NA
3. Can any of the following methods be utilized to minimize erosion from slopes:
   1. Disturbing existing slopes only when necessary?  Yes  No  NA
   2. Minimizing cut and fill areas to reduce slope lengths?  Yes  No  NA
   3. Incorporating retaining walls to reduce steepness of slopes or to shorten slopes?  Yes  No  NA
   4. Acquiring right-of-way easements (such as grading easements) to reduce steepness of slopes?  Yes  No  NA
   5. Avoiding soils or formations that will be particularly difficult to re-stabilize?  Yes  No  NA
   6. Providing cut and fill slopes flat enough to allow re-vegetation and limit erosion to pre-construction rates?  Yes  No  NA
   7. Providing benches or terraces on high cut and fill slopes to reduce concentration of flows?  Yes  No  NA
   8. Rounding and shaping slopes to reduce concentrated flow?  Yes  No  NA
   9. Collecting concentrated flows in stabilized drains and channels?  Yes  No  NA
4. Does the project design allow for the ease of maintaining all BMPs?  Yes  No
5. Can the project be scheduled or phased to minimize soil-disturbing work during the rainy season?  Yes  No
6. Can permanent stormwater pollution controls such as paved slopes, vegetated slopes, basins, and conveyance systems be installed early in the construction process to provide additional protection and to possibly utilize them in addressing construction stormwater impacts?  Yes  No  NA