**Construction Site BMPs
Checklist CS-1, Part 1**

Prepared by: Date: District-Co-Route:

PM: Project ID/EA: RWQCB:

***Temporary Soil Stabilization***

*General Parameters*

1. How many rainy seasons are anticipated between begin and end of construction? \_\_\_\_\_\_\_\_\_\_
2. What is the total disturbed soil area for the project? (ac) \_\_\_\_\_\_\_\_\_\_
3. Consult your District/Regional Design Stormwater Coordinator for the minimum required combination of temporary soil stabilization and temporary sediment controls and barriers for area, slope inclinations, rainy and non-rainy season, and active and non-active disturbed soil areas. [ ]  Complete

*Scheduling*

1. Does the project have a duration of more than one rainy season and have disturbed soil area in excess of 25 acres? If yes, complete a through c. [ ]  Yes [ ]  No
	1. Include multiple mobilizations (Move-in/Move-out) as a separate contract bid item to implement permanent erosion control or revegetation work on slopes that are substantially complete. (Estimate at least 6 mobilizations for each additional rainy season. Designated Construction Representative may suggest an alternate number of mobilizations.) [ ]  Complete
	2. Edit specifications for permanent erosion control or revegetation work to be implemented on slopes that are substantially complete. [ ]  Complete
	3. Edit permanent erosion control or revegetation specifications to require seeding and planting work to be performed when optimal. [ ]  Complete

*Preservation of Existing Vegetation*

1. Do Environmentally Sensitive Areas (ESAs) exist within or adjacent to the construction limits? (Verify the completion of DPP-1, Part 5) [ ]  Yes [ ]  No
2. Verify the protection of ESAs through delineation on all project plans. [ ]  Complete
3. Protect from clearing and grubbing and other construction disturbance by enclosing the ESA perimeter with high visibility plastic fence or other BMP. [ ]  Complete
4. Are there areas of existing vegetation (mature trees, native vegetation, landscape planting, etc.) that need not be disturbed by project construction? Will areas designated for proposed or existing Treatment BMPs need protection (infiltration characteristics, vegetative cover, etc.)? (Coordinate with District Environmental and Construction to determine limits of work necessary to preserve existing vegetation to the maximum extent practicable.) [ ]  Yes [ ]  No
5. Designate as outside of limits of work (or designate as ESAs) and show on all project plans. [ ]  Complete
6. Protect with high visibility plastic fence or other BMP. [ ]  Complete
7. If yes for 5, 6, or both, then designate ESA fencing as a separate contract bid item, *if not already incorporated as part of design pollution prevention work (See DPP-1, Part 5)*. [ ]  Complete

*Slope Protection*

1. Provide a temporary soil stabilization BMP(s) appropriate for the DSA, slope steepness, slope length, and soil erodibility. (Consult with District Landscape Architect.)
2. Select Hydraulic Mulch, Hydroseeding, Soil Binders, Straw Mulch, Geotextiles, Mats, Plastic Covers, and Erosion Control Blankets, Wood Mulching, other BMPs or a combination to cover the DSA throughout the project’s rainy season. [ ]  Complete
3. Increase the quantities by 25 percent for each additional rainy season. (Designated Construction Representative may suggest an alternate increase.) [ ]  Complete
4. Designate as a separate contract bid item. [ ]  Complete

*Slope Interrupter Devices*

1. For projects with temporary erosion control requirements, provide slope interrupter devices for all slopes, in accordance with CGP requirements.
2. For slopes ≤ 1:20 Select Fiber Rolls or other BMPs to protect slopes throughout the project’s rainy season as recommended by the District Construction Stormwater Coordinator. [ ]  Complete
3. For slope inclination of 4:1 (h:v) and flatter, Fiber Rolls or other BMPs shall be placed along the contour and spaced 35 ft on center. [ ]  Complete
4. For slope inclination between 4:1 (h:v) and 3:1 (h:v), Fiber Rolls or other BMPs shall be placed along the contour and spaced 20 ft on center. [ ]  Complete
5. For slope inclination between 3:1 (h:v) and 2:1 (h:v), Fiber Rolls or other BMPs shall be placed along the contour and spaced 15 ft on center. [ ]  Complete
6. For slope inclination of greater than 2:1 (h:v), Fiber Rolls or other BMPs shall be placed along the contour and spaced 10 ft on center. [ ]  Complete
7. Increase the quantities by 25 percent for each additional rainy season. (Designated Construction Representative may suggest alternate increase.) [ ]  Complete
8. Designate as a separate contract bid item. [ ]  Complete

*Channelized Flow*

1. Identify locations within the project site where concentrated flow from stormwater runoff can erode areas of soil disturbance. Identify locations of concentrated flow that enters the site from outside of the RW (off-site run-on). [ ]  Complete
2. Utilize Geotextiles, Mats, Plastic Covers, and Erosion Control Blankets, Earth Dikes/Swales, Ditches, Outlet Protection/Velocity Dissipation, Slope Drains, Check Dams, or other BMPs to convey concentrated flows in a non-erosive manner. [ ]  Complete
3. Designate as a separate contract bid item, as appropriate. [ ]  Complete

**Construction Site BMPs
Checklist CS-1, Part 2**

Prepared by: Date: District-Co-Route:

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***Sediment Control***

*Perimeter Controls – Run-off Control*

1. Is there a potential for sediment laden sheet and concentrated flows to discharge offsite from runoff cleared and grubbed areas, below cut slopes, embankment slopes, etc.? [ ]  Yes [ ]  No
2. Select linear sediment barrier such as Silt Fence, Fiber Rolls, Gravel Bag Berm, Sand Bag Barrier, Straw Bale Barrier, or a combination to protect wetlands, water courses, roads (paved and unpaved), construction activities, and adjacent properties. (Coordinate with District Construction for selection and preference of linear sediment barrier BMPs.) [ ]  Complete
3. Increase the quantities by 25 percent for each additional rainy season. (Designated Construction Representative may suggest an alternate increase.) [ ]  Complete
4. (Designate as a separate contract bid item. [ ]  Complete

*Perimeter Controls – Run-on Control*

1. Do locations exist where sheet flow upslope of the project site and where concentrated flow upstream of the project site may contact DSA and construction activities? [ ]  Yes [ ]  No
2. (Utilize linear sediment barriers such as Earth Dike/Drainage Swales and Lined Ditches, Fiber Rolls, Gravel Bag Berm, Sand Bag Barrier, Straw Bale Barrier, or other BMPs to convey flows through and/or around the project site. (Coordinate with District Construction for selection and preference of perimeter control BMPs.) [ ]  Complete
3. Designate as a separate contract bid item, as appropriate. [ ]  Complete

*Storm Drain Inlets*

1. Do existing or proposed drainage inlets exist within the construction limits? [ ]  Yes [ ]  No
2. Select Drainage Inlet Protection to protect municipal storm drain systems or receiving waters wetlands at each drainage inlet. (Coordinate with District Construction for selection and preference of inlet protection BMPs.) [ ]  Complete
3. Designate as a separate contract bid item. [ ]  Complete
4. Can existing or proposed drainage inlets utilize an excavated sediment trap as described in Drainage Inlet Protection – Type 2? [ ]  Yes [ ]  No
5. Include with other types of Drainage Inlet Protection. [ ]  Complete

*Sediment/Desilting Basin*

1. Does the project lie within a Rainfall Area where the required combination of temporary soil stabilization and sediment control BMPs includes desilting basins? [ ]  Yes [ ]  No
2. Consider feasibility for desilting basin allowing for available right-of-way within the construction limits, topography, soil type, disturbed soil area within the watershed, and climate conditions. Document if the inclusion of sediment/desilting basins is infeasible. [ ]  Complete
3. If feasible, design desilting basin(s) per the guidance in the CASQA Construction BMP Guidance Handbook to maximize capture of sediment-laden runoff. [ ]  Complete
4. Designate as a separate contract bid item [ ]  Complete
5. Is ATS to be used for controlling sediment? [ ]  Yes [ ]  No
6. If yes, then will desilting basin or other means of natural storage be used? [ ]  Yes [ ]  No
7. If no, then plan for storage tanks sufficient to hold treatment volume. [ ]  Complete
8. Will the project benefit from the early implementation of proposed permanent Treatment BMPs? (Coordinate with District Construction.) [ ]  Yes [ ]  No
9. Edit specifications for permanent Treatment BMP work to be implemented in a manner that will allow its use as a Construction Site BMP. [ ]  Complete

*Sediment Trap*

1. Can sediment traps be located to collect channelized runoff from disturbed soil areas prior to discharge? [ ]  Yes [ ]  No
2. Design sediment traps in accordance with the CASQA Construction BMP Guidance Handbook. [ ]  Complete
3. Designate as a separate contract bid item. [ ]  Complete

**Construction Site BMPs
Checklist CS-1, Part 3**

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***Tracking Controls***

*Stabilized Construction Entrance/Exit*

1. Are there points of entrance and exit from the project site to paved roads where mud and dirt could be transported offsite by construction equipment? (Coordinate with District Construction for selection and preference of tracking control BMPs.) [ ]  Yes [ ]  No
2. Identify and designate these entrance/exit points as stabilized construction entrances. [ ]  Complete
3. Designate as a separate contract bid item. [ ]  Complete

*Tire/Wheel Wash*

1. Are site conditions anticipated that would require additional or modified tracking controls such as entrance/outlet tire wash? (Coordinate with District Construction.) [ ]  Yes [ ]  No
2. Designate as a separate contract bid item. [ ]  Complete

*Stabilized Construction Roadway*

1. Are temporary access roads necessary to access remote construction activity locations or to transport materials and equipment? (In addition to controlling dust and sediment tracking, access roads limit impact to sensitive areas by limiting ingress and provide enhanced bearing capacity.) (Coordinate with District Construction.) [ ]  Yes [ ]  No
2. Designate these temporary access roads as stabilized construction roadways. [ ]  Complete
3. Designate as a separate contract bid item. [ ]  Complete

*Street Sweeping and Vacuuming*

1. Is there a potential for tracked sediment or construction related residues to be transported offsite and deposited on public or private roads? (Coordinate with District Construction for preference of including street sweeping and vacuuming with tracking control BMPs.) [ ]  Yes [ ]  No
2. Designate as a separate contract bid item. [ ]  Complete

**Construction Site BMPs
Checklist CS-1, Part 4**

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***Wind Erosion Controls***

*Wind Erosion Control*

1. Is the project located in an area where standard dust control practices in accordance with Standard Specifications, Section 14-9: Dust Control, are anticipated to be inadequate during construction to prevent the transport of dust offsite by wind? *(Note: Dust control by water truck application is paid for through the various items of work. Dust palliative, if it is included, is paid for as a separate item.)* [ ]  Yes [ ]  No
2. Select Hydraulic Mulch, Hydroseeding, Soil Binders, Geotextiles, Mats, Plastic Covers, and Erosion Control Blankets, Wood Mulching or a combination to cover the DSA subject to wind erosion year-round, especially when significant wind and dry conditions are anticipated during project construction. (Coordinate with District Construction for selection and preference of wind erosion control BMPs.) [ ]  Complete
3. Designate as a separate contract bid item. [ ]  Complete

**Construction Site BMPs
Checklist CS-1, Part 5**

Prepared by: Date: District-Co-Route:

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***Non-Stormwater Management***

*Temporary Stream Crossing & Clear Water Diversion*

1. *Will* construction *activities occur within a water body or watercourse such as a lake, wetland, or stream? (Coordinate with District Construction for selection and preference for stream crossing and clear water diversion BMPs.)* [ ]  Yes [ ]  No
2. Select from types offered in Temporary Stream Crossing to provide access through watercourses consistent with permits and agreements. [[1]](#footnote-2) [ ]  Complete
3. Select from types offered in Clear Water Diversion to divert watercourse consistent with permits and agreements. 1 [ ]  Complete
4. Designate as a separate contract bid item(s). [ ]  Complete

*Other Non-Stormwater Management BMPs*

1. *Are* construction *activities anticipated that will generate wastes or residues with the potential to discharge pollutants?* [ ]  Yes [ ]  No
2. Identify potential pollutants associated with the anticipated construction activity and select the corresponding BMP such as Water Conservation Practices, Dewatering Operations, Paving and Grinding Operations, Potable Water/Irrigation, Vehicle and Equipment Cleaning, Vehicle and Equipment Fueling, Vehicle and Equipment Maintenance, Pile Driving Operations, Concrete Curing, Material and Equipment Use Over Water, Concrete Finishing, and Structure Demolition/Removal Over or Adjacent to Water. 1 [ ]  Complete
3. Verify that costs for non-stormwater management BMPs are identified in the contract documents. Designate BMP as a separate contract bid item if the requirements in Job Site Management *Standard Specifications* Section 13 are anticipated to be inadequate or if requested by Construction. [ ]  Complete

**Construction Site BMPs
Checklist CS-1, Part 6**

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***Waste Management & Materials Pollution Control***

*Concrete Waste Management*

1. Does the project include concrete placement or mortar mixing? [ ]  Yes [ ]  No
2. Select from types offered in Concrete Waste Management to provide concrete washout facilities. In addition, consider portable concrete washouts and vendor supplied concrete waste management services. (Coordinate with District Construction for selection and preference of waste management and materials pollution control BMPs.) [ ]  Complete
3. Designate as a separate contract bid item if the quantity of concrete waste and washout are anticipated to exceed 5.2 yd3 or if requested by Construction. [ ]  Complete

*Other Waste Management and Materials Pollution Controls*

1. Are construction activities anticipated that will generate wastes or residues with the potential to discharge pollutants? [ ]  Yes [ ]  No
2. Identify potential pollutants associated with the anticipated construction activity and select the corresponding BMP such as Material Delivery and Storage, Material Use, Spill Prevention and Control, Solid Waste Management, Hazardous Waste Management, Contaminated Soil Management, Sanitary/Septic Waste Management, and Liquid Waste Management. [ ]  Complete
3. Verify that costs for waste management and materials pollution control BMPs are identified in the contract documents. Designate BMP as a separate contract bid item if the requirements in Job Site Management Standard Specifications Section 13 are anticipated to be inadequate or if requested by Construction. [ ]  Complete

*Temporary Stockpiles (Soil, Materials, and Wastes)*

1. Are stockpiles of soil, etc. anticipated during construction? [ ]  Yes [ ]  No
2. Verify that costs for stockpile management and associated sediment control and temporary soil stabilization BMPs for temporary stockpiles are identified in the contract documents. Designate as a separate contract bid item if the requirements in Job Site Management Standard Specifications Section 13 are anticipated to be inadequate or if requested by Construction. [ ]  Complete
1. Coordinate with District Environmental for consistency with US Army Corps of Engineers 404 and 401 permits and Dept. of Fish and Game 1601 Streambed alteration Agreements. [↑](#footnote-ref-2)