



### CONSTRUCTION SITE BMPS

BMPs - Best Management Practices are practices, procedures and/or routines incorporated into daily construction related activities to protect both the environment and water quality.



#### Designated Lined Washout Locations

**Standards & Tips:** All construction sites shall have at least one designated washout location during all phases of construction wherein concrete, stucco, plaster drywall and/or painting work is being conducted. Washout standards:

- 1. **Pre-manufactured type:** 10/20 yard roll-off types or 8 cu. ft. plastic tub.



#### 2. Custom – site specific washouts:

- a. Lined with 10 ml thick plastic,
- b. **Do not** place within 50’ of a storm drain inlet that is down gradient,
- c. **Do not** locate within 150’ of a waterway,
- d. **Do not** place over a known underground seep or spring,
- e. Cover at the end of each day and during all precipitation events.



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- f. **Do not** place near concentrated or high sheet flows of storm water runoff,
- g. Empty when ½ full,
- h. Recommend that washouts be sized at 3' x 7' to allow the use of a sheet of OSB or tarp to cover daily,
- i. Inspect, maintain and repair daily,
- j. Require all employees, subcontractors, and suppliers to utilize washout,
- k. Install & maintain per ASTM, CASQA, Caltrans, Fish & Wildlife &/or industry standards.

3. **Never** discharge or wash any residual material (*i.e. concrete, paint, slurry, stucco & etcetera*) into the gutter, street, landscape area or in the dirt and **never** discharge the residual water into the sanitary sewer system or storm drain.

4. **SWPPP postings** must be visible at entrance of construction site and denote locations of washouts,

**Inspections:** Inspect weekly, before predicted storm event, during prolonged storm events when safe and immediately following storm events.

**Routine Cleanings:**

- Clean out when half full,
- Cleanup discharges on bare soil immediately.

**Maintenance:**

- Inspect for damage and repair as needed within 24-hours.

**Replace or Clean as Necessary:**

- If during routine inspections, cleaning or maintenance activities it is discovered that the washout is dilapidated, then it must be replaced within 24 hours.

**Documentation Requirements & tips:**

- Document all routine: inspections, cleanings, maintenance activities and all necessary repairs and/or replacements performed in a log.

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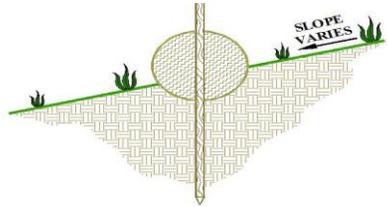
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**Sediment Retention Fiber Rolls (SRFRs)** are a manufactured 3 dimensional device of a specified filler matrix encapsulated within a flexible containment material utilized in sediment and flow control applications. The matrix material is encapsulated in biodegradable or photodegradable netting, yielding an approximate functional life of 1 - 3 years. SRFRs are also known as wattles, logs, socks, tubes or fiber rolls.

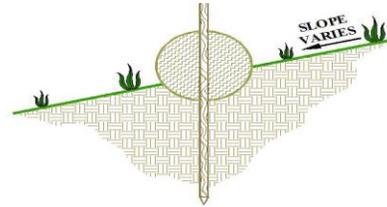
#### Installation Standards & Tips:

1. Install perpendicular to water flow, from lowest to higher level contours,
2. Install so that device is uniformly perpendicular to grade to avoid concentrating overland flow patterns,
3. Entrench at 2" - 3" to reduce the chance of storm water undercutting,
4. Smooth even soil surface to ensure no gaps between the SRFR & soil to reduce the chance of undercutting,
5. Stake at least 12" - 16" deep (24" long stakes), but consider soil type, slope length / gradient, and total exposed surface area behind device,
6. Compact soil on both sides of SRFR,
7. Individual device segments must overlap (side by side) next segment directed up-gradient at least 18",



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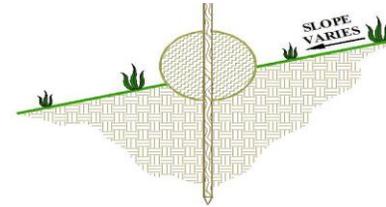
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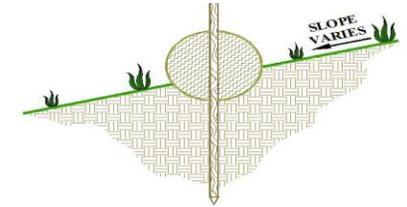
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6. Compact soil on both sides of SRFR,
7. Individual device segments must overlap (side by side) next segment directed up-gradient at least 18",

8. Total SRFR runs “J” Loop at ends at least 3’ upwards to reduce the chance of storm water flow from just passing around the ends with pollutants,
9. Recommend looping ends of continuous SRFR devices upwards every 100’ at least 3’ (“J” looped),
10. When fiber rolls are located at the top of a slope, install at a minimum 1’ back from top of embankment,
11. Install & maintain per ASTM, CASQA, Caltrans, Fish & Wildlife &/or industry standards,
12. Install parallel to upstream overland flow to avoid creating concentrated discharge / flow-points.

**Inspections:** Inspect weekly, before predicted storm event, during prolonged storm events when safe and immediately following storm events.

**Maintenance:**

- Inspect for damage and repair as needed within 24-hours.
- Replace when impacted with soil / sediment (*i.e. when flow through capacity of device is reduced*).

**Routine Cleanings:**

- As sediment collects on the upstream side of a SRFR it must be removed weekly, before a storm event, during prolonged storm events when safe and immediately following a storm event.

**Repair or Replace as Necessary:**

- If during routine inspections, cleaning or maintenance activities it is discovered that the SRFR is torn or compacted, then it must be replaced or repaired within 24 hours.

**Documentation Requirements & tips:**

- Document all routine: inspections, cleanings, maintenance activities and all necessary repairs and/or replacements performed in a log.

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