Concrete Washout

Plan View

- Berm required on all sides (excluding access drive location)
- Access drive to be paved or meet material specifications of a Stabilized Construction Entrance (DE-ESC-3.4.7)
- Connect to paved or gravel surface

Section A-A

- Compacted Berm with liner keyed underneath (or see sandbag option below)
- Undisturbed or compacted earth
- 2% slope
- Paved or gravel access drive to connect to solid surface
- Sandbag or concrete block anchor
- Compacted Berm with liner overtop with a sandbag or concrete block anchor
- 10 mil polyethylene liner

Alternate Liner Option

Data to be provided:
- Length, l
- Width, w
- Depth, d

Source:
Adapted from Colorado Urban Storm Drainage Criteria Manual, Vol 3

Symbol:
[CW]

Detail No.
DE-ESC-3.6.2
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Construction Notes:

1. Locate washout area a minimum of 50 feet from open channels, stormdrain inlets, wetlands or waterbodies.

2. Locate washout area so that it is accessible to concrete equipment (service with a minimum 10 foot wide gravel accessway), but so it is not in a highly active construction area causing accidental damage.

3. Minimum dimensions for prefabricated units are 4 feet by 4 feet by 1 foot deep with a minimum 4mil polyethylene plastic liner. Minimum dimensions for constructed concrete washout areas are 6 feet by 6 feet by 3 feet deep, with a minimum 10mil polyethylene liner, 2:1 side slopes, and a 1 foot high by 1 foot wide compacted fill berm.

4. The liner must be free of tears or holes and placed over smooth surfaces to prevent puncturing. For excavated washouts, anchor the liner underneath the berm or overtop with sandbags or concrete blocks to hold in place.

5. Provide a sign designating the washout area, and for large construction sites, provide signs throughout directing traffic to its location.

6. Allow washed out concrete mixture to harden through evaporation of the wastewater. Once the facility has reached 75 percent of its capacity, remove the hardened concrete by reusing the broken aggregate onsite, recycling, or disposing of offsite. The hardened material can be buried on site with minimum of 1 foot of clean, compacted fill.

7. Apply a new liner before reusing the station for additional washouts after maintenance has occurred.

Source:
Adapted from Colorado Urban Storm Drainage Criteria Manual, Vol 3

Symbol: CW

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