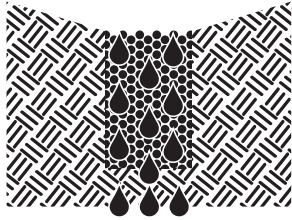


Stormwater Quality Maintenance Checklist

Post Construction Stormwater Best Management Practice (BMP) Maintenance

Infiltration Trench Maintenance

Infiltration Trench



Infiltration trenches are narrow trenches that receive stormwater runoff. They use aggregate and soil media to filter sediment and pollutants before the runoff infiltrates into the underlying soil. Surrounding vegetation is often used for filtering coarse sediment from the runoff before entering the trench. They differ from infiltration basins by storing captured stormwater below the ground. Regular maintenance to prevent clogging is needed to ensure the designed water quality performance specific to each site.

Facility

Facility Name _____
Address _____

This Stormwater Quality (SWQ) Maintenance Checklist can be used as an alternate inspection document for renewing the annual SWQ Maintenance Permit (instead of a proprietary report from a maintenance service) and is to be completed, signed, and submitted to the City of Roseville for each permitted BMP on the facility site.

General

- Remove litter and loose debris in the infiltration trench, its adjacent inlet slopes and bypass areas
- Inspect for and note any standing water pools which provide mosquito-breeding habitat (*any ponded areas should drain within 72 hours after the end of the rain event*)
- Inspect for and note any obstructions impeding stormwater flow through the trench
- Photograph each BMP to show current condition and submit with SWQ renewal documents

Erosion & Drainage

- Remove excessive sediment / debris buildup impeding from adjacent inlet slopes or bypass areas
- Repair any eroded areas by adding appropriate media and replanting if needed
- Eliminate any standing water areas by removing / replacing trench's aggregate media
- Remove excessive sedimentation accumulating in the trench area and eliminate its source

Vegetation

- Remove weeds, unwanted vegetation, and invasive plants
- Replant vegetation in adjacent areas that drain into trench if needed
- Irrigate vegetated areas during dry weather as needed
- Trim / remove dead, diseased, excessive and/or unwanted vegetation, and replant if needed
- Use integrated pest management (IPM) practices to eliminate use of pesticides and herbicides

Reconstruction

- Excavate, replace soil media, regrade, and/or replant specific areas if still not draining properly
- Reconstruct entire infiltration trench if no longer functioning as designed

Inspection Signature

2019

By signing this document, I confirm that this stormwater quality BMP has been inspected and documented following the guidelines recommended on this self inspection form, and is in full and effective operating condition to the best of my knowledge.

Inspection Signature _____ Date _____