

Your Guide to Maintaining Private Storm Water Structures

GOOD



BAD

Dry Washes & Waterways

- Keep dry washes free of overgrown vegetation, sediment, trash, and debris.
- Prune trees and shrubs to allow storm water to flow through the channel.
- Remove and properly dispose of the collected debris.
- Keep river rock grouped together in the channel bottom to maintain channel shape and minimize erosion.
- Report any illegal dumping of bulk trash, large household items, or construction materials into washes, to City of Surprise Stormwater at (623) 222-6200.

GOOD



BAD

Street Scuppers & Spillways

- Remove trash and debris trapped near scupper and spillway opening to allow water to flow into storm water basin.
- Keep scupper, spillway, and curb cut free of sand and gravel.
- Repair scupper and spillway as needed to prevent soil erosion and flooding.
- Ensure safety bars are attached to the top of scupper structure.

GOOD



BAD

Storm Water Basins & Headwalls

- Ensure a safety rail is attached to the top and sides of headwalls in neighborhood storm water basins with steep side slopes.
- Use a grate to cover and protect pipe opening.
- Ensure slopes entering storm water basins are stabilized to minimize soil erosion.
- Remove sediment, trash, and debris trapped in front of and behind grate.
- Conduct inspections on a quarterly basis, especially before and during the storm/monsoon season.
- Keep an annual storm water basin maintenance schedule and retain records for 5 years.

Check it - Clean it - Maintain it Best Management Practices (BMP's)

GOOD



BAD

Storm Water Catch Basins

- Hire a professional clean-out company to clean inside of dirty catch basins.
- Note: these are confined spaces and may have harmful chemicals and vapors.
- Remove sediment, trash, and debris near inlet, on the surface, to allow water to flow into catch basin.
- Eliminate foul odors by removing dead animals and vegetation that may collect in catch basin structures.
- Repair cracks larger than 1/2 inch wide and 12 or more inches long with concrete grout or sealant.
- Don't sweep or blow landscaping clippings and debris into catch basins or streets.
- Report any illegal dumping into basins to City of Surprise Stormwater at (623) 222-6200.

GOOD



BAD

Storm Water Drywells

- Never enter a drywell yourself. Hire a professional cleanout company to clean poorly draining drywells. Note: these are confined spaces and may have harmful chemicals and vapors.
- Register drywell with Arizona Department of Environmental Quality (ADEQ).
- Keep an annual drywell maintenance schedule and retain records for 5 years.
- Verify that the drywell drains within 36 hours following a rain event.
- Report mosquito activity in standing water to the Maricopa County Environmental Services Department at (602) 506-0700.
- Keep soil level 5-6 inches below the drywell grate.
- Report any illegal dumping into drywells to the ADEQ Emergency Response Hotline at (602) 771-2330 within 24 hours.

GOOD



BAD

Storm Water Culverts

- Clean out sediment, trash, and debris trapped in or near culvert opening. Remove and properly dispose of the collected debris.
- Maintain slopes and opening size of ditch leading to and from culvert.
- Verify that specific design guidelines for culvert pipe are met. Contact the City of Surprise Development Information at (623) 222-6150.



Additional Information: Dry Wells: www.azdeq.gov/enviro/water/ • **Illicit Discharges:** Report spills in the city to stormwater@surpriseaz.gov or (623)222-6200.

Report Mosquito Problems: www.maricopa.gov/wmv/surveillance.aspx • **Report Flooding Issues:** www.gis.fcd.maricopa.gov/raf/

For more information contact: stormwater@surpriseaz.gov
www.surpriseaz.gov/stormwater