



About Us

Company Information and Background

- Pure Basin Services has been in business for over 20 years.
- Ownership has decades of service business experience
- Originally operated as Blue Marble, LLC.
- Specialized service company focused exclusively on *stormwater compliance* for central Texas.





What are stormwater basins?



















What is Stormwater Compliance?



- Stormwater compliance is:
 - Keeping your property's stormwater system within the regulatory requirements created and enforced by San Antonio and State of Texas





- Codes are put in place to ensure the rain flowing off your impervious cover does not:
- A) Pollute our water supply
- B) Flood your neighbor downhill



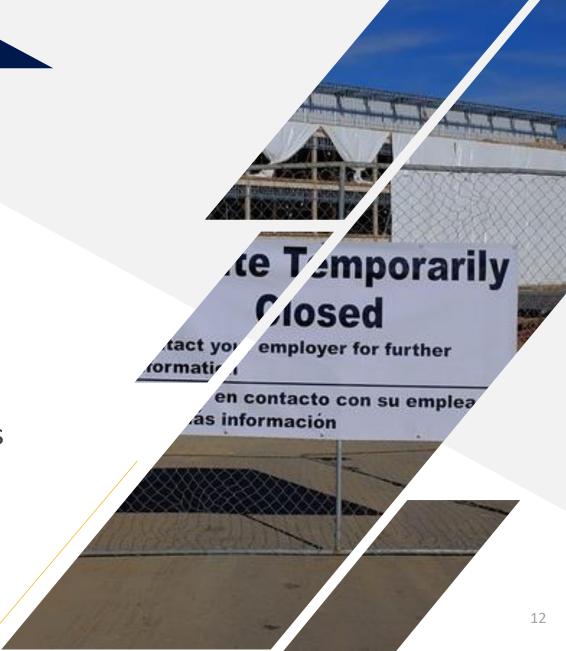


- Who enforces this?
- There are city and state regulatory requirements for stormwater basins
- San Antonio Water System enforces city regulations
- Texas Commission on Environmental Quality (TCEQ) enforces state regulations





- Following the codes is important because the TCEQ or SAWS could:
- Place a hold on the property that prevents all future development
- Impose large fines on noncompliant properties
 - Up to \$25,000 per day
- Demand further development of insufficient stormwater systems





- Most importantly stormwater basins:
 - Protect the environment
 - Protect our drinking water
 - Prevent flooding





What types of stormwater basins are there?



What kinds are there? How are they maintained?

There are two main types of stormwater basins

• 1) Filtration basins

• 2) Wet Ponds





What kinds are there? How are they maintained?

Filtration Basins

- By far the most common type of stormwater filtration system
- Designed by a UT professor to keep up with new stormwater regulations passed in the 90s
- Usually consists of two "chambers" with a rock filter inbetween
- Sand acts as filter for dirty stormwater





What kinds are there? How are they maintained?

- Filtration Basins
 - Many types of filtration basins.
 - Concrete wall
 - Grass Berm
 - Concrete Sedimentation
 - Grass sedimentation
 - Multiple types of sand





What kinds are there? How are they maintained?

Wet Ponds

- Permanently Wet
- More common at largest developments
- Inspections are critical for these ponds, but they require less regular maintenance work than filtration ponds





How are stormwater basins maintained?



What kinds are there? How are they maintained?

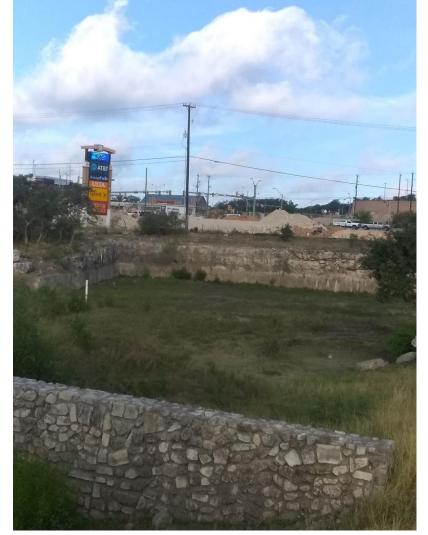
Filtration Basin Maintenance

- Remove all rooted grass and vegetation from filtration basin
- Remove accumulated sediment from filtration basin
- Level sand in filtration basin to remove all scouring
- Clean basin of all leaves, trash, and debris from both chambers
- Clear gabion rock filter of debris

- Cut grass in sedimentation chamber to keep vegetation below 18"
- Inspect basin to ensure basin meets all regulatory requirements
- Provide detailed inspection report with before and after photos when work is completed



What kinds are there? How are they maintained?







Final Overview

- Stormwater Basins protect the environment and channel floodwaters
- Keeping Stormwater Basins compliant with city and state regulations is important
- Stormwater Basins require regular upkeep and can be severely damaged if not maintained properly

