

Stormwater Infiltration - Maintenance Requirements and Inspection Checklist

Stormwater Infiltration practices capture and temporarily store the WQ_v while allowing infiltration into the soil over a prescribed time period.

Regular inspection and maintenance of stormwater facilities is necessary to ensure effective and proper operation. It is the responsibility of the property owner to maintain all stormwater facilities in accordance with the approved plans and the Stormwater Facility Maintenance Covenant. This page provides general guidance on the recommended inspection and maintenance along with the recommended frequency for each item.

Inspection Activities	Suggested Schedule
<ul style="list-style-type: none"> • A record should be kept of the dewatering time (the time required to drain the infiltration trench or basin after a storm event) of the trench or basin to determine if maintenance is necessary. The facility should drain completely in about 24 hours after the end of the rainfall. Pondered water (as visible from the observation well or on the surface) longer than about 24 hours after a storm event indicates that the facility is clogged and requires maintenance. 	After Rain Events
<ul style="list-style-type: none"> • Inspect the facility for the presence of trash and debris 	Monthly
<ul style="list-style-type: none"> • Check the observation wells following 3 days of dry weather. Failure of the facility to drain within this time period indicates clogging. • Check the area draining to the facility for evidence of erosion • Inspect pre-treatment devices and diversion structures for sediment buildup and damage. • Note signs of pollution such as oil sheens, discolored water, odor, etc. • Inspect signage 	Semi-Annual
Maintenance Activities	Suggested Schedule
<ul style="list-style-type: none"> • Mow grass filter strips, if required, as necessary • Clean and remove debris and trash • Repair erosion • Repair or replace signage • Remove pollutants • Replace pea gravel/topsoil and top surface filter fabric. 	As Needed
<ul style="list-style-type: none"> • Remove invasive species and trees that start to grow in the facility • Replace vegetation to its original condition per approved plans 	Annually
<ul style="list-style-type: none"> • Perform total rehabilitation of the facility to maintain design storage capacity and treatment efficiency. • Excavate trench walls to expose clean soil 	Upon Failure

STORMWATER INFILTRATION INSPECTION CHECKLIST

Location: _____ Owner Change: Y N

Owner Name, Address, Phone: _____

Date: _____ Time: _____ Site Conditions: _____

Inspection Item	Y/N	Comments/Corrective Action Needed
Complete drainage of facility in about 24 to 48 hours after rain event?		
Clear of debris and trash?		
Standing water in observation well or other areas when no water should be present?		
Evidence of leaks or seeps?		
Erosion in area draining to facility?		
Undesirable vegetation growth?		
Other (describe)?		
Other		
Have there been any complaints from residents?		
Public hazards?		

Inspector Name (printed) _____ Inspector Signature _____

Inspections shall be completed at least once per calendar year. Submit a copy of the completed checklist and two photos to the City of Wentzville, Attn: Stormwater Coordinator, 1001 Schroeder Creek Blvd, Wentzville, MO 63385 or by fax 636-327-4892. **Documentation of the corrective action taken (date, by whom, what was done, etc.) must be provided for each item noted above.**