	3.7 Filtering System	Sheet #	Yes/No	Comments
General				
1	What type of filtering practice is utilized? ☐ Non-structural sand filter ☐ Surface sand filter ☐ Three-chamber underground sand filter ☐ Perimeter sand filter ☐ Other filter device [3.7 Filtering Systems, page 129]			
Siting				
2	Is the filter located on a slope less than or equal to 6 percent? [3.7.1 Filtering Systems Feasibility Criteria- Depth to Water Table, page 138]			
3	Is the seasonal high groundwater table and bedrock at least 2 feet from the bottom of the filtering system? [3.7.1 Filtering Systems Feasibility Criteria- Depth to Water Table, page 138]			
4	Do utilities have a minimum 5-foot horizontal clearance from the filtering practice? [3.7.1 Filtering Feasibility Criteria- Utilities, page 138]			
5	Are the filtering systems located in areas where they are accessible for inspection and maintenance? [3.7.1 Filtering Systems Feasibility Criteria- Facility Access, page 138]			
Design				
6	Does the filter system include wet or dry pretreatment prior to the filter media? [3.7.3 Filtering Pretreatment Criteria, page 139]			
7	If the filter uses a sedimentation chamber for pretreatment, is the chamber sized to accommodate at least 25 percent of the total design storm volume (inclusive)? [3.7.3 Filtering Pretreatment Criteria, page 139]			

8	If the filter uses a grass strip for pretreatment, is the strip at least 15 feet long with a slope of 3 percent or less? [3.7.3 Filtering Pretreatment Criteria, page 139]			
9	If the filter uses a check dam for pretreatment, does the check dam extend only 2 inches above the filter strip and include lateral slots to allow runoff to be evenly distributed across the filter surface? [3.7.3 Filtering Pretreatment Criteria, page 139]			
10	If a filter is located underground or experiences traffic loads, has a licensed structural engineer certified the structural integrity of the design? [3.7.4 Filtering Design Criteria- Type of Filter Media, page 140]			
11	Is a minimum filter bed depth of 12 inches provided above the underdrains? [3.7.4 Filtering Design Criteria- Type of Filter Media, page 140]			
12	Is runoff from the larger storm events bypassed using an overflow structure or flow splitter without resuspending or flushing previously trapped material? [3.7.2 Filtering Conveyance Criteria, page 139]			
13	If the filter is a three-chamber underground sand filter located in a combined sewer area, is a water trap provided in the third chamber to prevent the backflow of odorous gas? [3.7.4 Filtering Design Criteria, page 141]			
14	If the filter is a perimeter sand filter, is a subsurface drainage pipe installed at the bottom of the second chamber to facility the filtering process and convey filter water into a receiving system? [3.7.4 Filtering Design Criteria, page 141]			
15	Does a non-structural or surface sand filter include an observation well consisting of a 6-inch diameter non-perforated PVC pipe fitted with a lockable cap? [3.7.4 Filtering Design Criteria, page 142]			
16	Does a non-structural or surface sand filter include at least one cleanout pipe for every 2,000 square feet of filter surface area? [3.7.4 Filtering Design Criteria, page 142]			

17	For maintenance access, does the filtering system have a minimum of 5 feet above the filter or include a manhole? [3.7.4 Filtering Design Criteria- Maintenance Reduction Features, page 142]			
18	Is access to the headbox and clearwell provided by a manhole, at least 30 inches in diameter, including steps to areas where maintenance will occur and adequate signs or markings at manhole access points? [3.7.4 Filtering Design Criteria- Maintenance Reduction Features, page 142]			
19	Is the filtering practice surface area sized according to Equation 3.6 Minimum Filter Surface Area for Filtering Practices? [3.7.4 Filtering Design Criteria- Filter Sizing, page 143]			
20	Is the ponding volume for the filtering practice found using Equation 3.7 Required Ponding Volume for Filtering Practices? [3.7.4 Filtering Design Criteria- Filter Sizing, page 144]			
21	Is the storage volume calculated using Equation 3.8 Storage Volume for Filtering Practices? [3.7.4 Filtering Design Criteria- Filter Sizing, page 144]			
22	Is the filtering system designed to drain or dewater within 72 hours after each rainfall event? [3.7.4 Filtering Design Criteria- Detention Time, page 140]			
23	If the system utilizes an impermeable liner, does it meet the following requirements? ☐ Minimum 30-mil PVC geomembrane liner ☐ Field seams sealed with a minimum 6-inch overlap of material at all seams [3.7.4 Filtering Design Criteria- Underdrain and Liner, page 140]			
Construction				
24	Does the plan contain the following construction notes? ☐ Stormwater should be diverted around filtering practices while they are in construction. ☐ No runoff shall be allowed to enter the filter system prior to completion of all construction activities, including revegetation and final site stabilization. ☐ Should construction runoff enter the filter system prior to final site stabilization, all contaminated materials must be removed and replaced with new clean filter			

	materials. ☐ If the filtering area is used as a sediment trap or basin during the construction phase, after the construction is complete, the sediment control facility will be dewatered, dredged, and re-graded to design dimensions for the post-construction filter. [3.7.6 Filtering Construction Sequence, page 145]			
25	Does the plan contain the Filtering Systems Construction and Maintenance Inspection Checklists (Appendix K Construction Inspection Checklists and Appendix L Maintenance Inspection Checklists) or incorporate the checklists by reference? [Appendix K and Appendix L]			
	Maintenance			
26	Does the SWMP include a maintenance schedule similar to Table 3.29 Typical Annual Maintenance Activities for Filtering Practices in the Stormwater Management Guidebook? [3.7.7 Filtering Maintenance Criteria, page 147]			
27	Is the filtering system included in the Declaration of Covenant? ☐ Is the location and extent of the filtering system a part of Exhibit B Site Plan? ☐ Is the maintenance of the filtering system a part of Exhibit C Maintenance Plan? [3.7.7 Filtering Maintenance Criteria, page 146]			