

Guidance and template for Environmental Resource Permit Stormwater Operations & Maintenance Plans

Guidance for applicants to meet the rule requirements within *Section 12.4.1 of ERP Applicant's Handbook Volume I*. This template provides guidance on the format, organization, and recommended content for an Environmental Resource Permit (ERP) Operation and Maintenance (O&M) Plan. The content of the plan should be site specific, clearly describe the O&M responsibilities, and provide complete instructions for the O&M Entity *other than MS4 Entities*, as well as guidance for inspectors.

Prepared By: Gary Bayne.

Project No: 24-0703

Application No: 912462

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INTRODUCTION AND BACKGROUND

Peace River 6 is a 1.94-acre proposed commercial development located at Banyan Court and Del Rio Court, Punta Gorda, FL 33983 in Section 02 Township 40 South Range 23 East in Charlotte County. The existing use is a platted undeveloped roadway. The proposed project is for two 24' asphalt roadways including roadside swales to provide access to waterfront lots on the Peace River. The treatment of the stormwater will be accomplished with the roadside swales acting as dry ponds and four outfall control structures. Runoff will discharge via sheet flow and shallow concentrated flow into the proposed swales. The swales ultimately discharge into the Peace River which is a tidal waterbody, therefore attenuation is not required and no pre-development model is required. This application will be for a new ERP for the site.

RESPONSIBLE PARTIES

The responsible party for the operation and maintenance of the stormwater system for Peace River 6 will be:

Charlotte County Board of County Commissioners / ATTN: Joseph M. Tiseo, Chairman

18500 Murdock Circle, Suite 536

Port Charlotte, FL 33948

Phone: (941)-743-1300

Email: Joseph.Tiseo@CharlotteCountyFL.gov

STORMWATER FACILITIES/COMPONENTS

There are four 1.35' deep, 4:1 side slope dry detention swales, four type "D" outfall control structures FDOT Index 425-052 to the west, 74 LF total of 19"x30" ERCP outfall pipe, 33 LF total of 14"x23" ERCP outfall pipe, 77 LF total of 12"x18" ERCP outfall pipe and two mitered end sections FDOT Index 425-052. The outfall control structures connect to pipes which discharge into the outfall swales. All pipes discharging flow contain a mitered end section. Treatment volume capacity is 5,423 CF. Drawdown method uses percolation and recovery time is 7.98 hours. The SHWT elevation for the site has been determined to be 5.15' NAVD 88. The treatment of the stormwater will be accomplished with four dry detention ponds and four outfall control structures each containing a horizontal rectangular weir, which will hold back the required treatment volume for the site.

DESCRIPTION OF MAINTENANCE ACTIVITIES

- Swales / Ditches

Typical maintenance of swales will be mowing. The swales should be mowed and kept clear from debris to allow adequate flow. The banks shall be mowed monthly or as needed to prevent water from

backing up in the system. Erosion should be controlled and soil should be stabilized where necessary to prevent sediment discharge to waters in the state. Swales should be kept free of debris, trash, garbage, oils and greases, and other refuse that would cause pollution or impede flow.

- Pipes

Pipes shall be visually inspected monthly to ensure no debris or sediment is blocking the pipes. Pipes shall be vacuumed as needed to remove sediment and ensure proper operation.

- Dry Ponds (Info from *GSI Maintenance and Planting Manual, 2023*)

On a monthly or quarterly basis, and following a storm event, the entity responsible for maintenance should make an inspection of the pond and its outfall structure to ensure that the system is operating properly. If standing water persists longer than 72 hours after a normal summer rain event, or if wetland vegetation such as cattails grow in the pond, the stormwater facility may be in need of repair. Repairs may be as simple as scarifying or raking the pond bottom, or may consist of removing the bottom sediment (approximately the top foot of soil) and replacing the soil with clean sand. For more information, contact your local District service office. Mow frequently enough to prevent thatch buildup. Pick up grass clippings after cutting. Limit fertilizer use around the pond, and do not fertilize grass in the pond area. Re-sod any areas (sides or bottom) where grass or sod has been removed or eroded. Stormwater management systems that include oil and grease separators, skimmers, or collection devices are working properly and do not allow the discharge of oils or greases. Oils and greases or other materials removed from such a device during routine maintenance shall be disposed of at a sanitary landfill or by other lawful means. All structures within stormwater management systems shall not become clogged or choked with vegetative or aquatic growth to such an extent as to render them inoperable.

- Outfall Control Structures

Inspect the outfall control structure and baffle to monitor for cracking, clogging, or any other malfunction. The outfall pipe shall be visually inspected for debris and sedimentation and cleaned as needed.

MAINTENANCE SCHEDULES

Activity	Frequency	Additional Note
Clean out catch basin	As needed	Check after heavy rainfall events (25YR, 24HR)
Mow swales	Bi-weekly or as necessary	Keep clippings away from inlets / pond
Inspect pipes and control structures	Monthly	Check after heavy rainfall events (25YR, 24HR)
Vacuum Sweep Pipes	As needed	Remove all sediment

INSPECTION REQUIREMENTS

Entities of stormwater management systems shall conduct inspections as needed to ensure that the stormwater management system, and each component thereof, continues to function as designed

and permitted. The above maintenance schedule should be followed at the timeframes specified and after major storm events. If the cause of the failure is not evident, a registered professional should be consulted for a thorough inspection. Unless otherwise specified in the permit, the operation and maintenance entity must maintain a record of each inspection, including the date of inspection, the name and contact information of the inspector, whether the system was functioning as designed and permitted, and make such record available upon request of the Agency, in accordance with section 12.5.

FREQUENCY OF INSPECTIONS

Table 12-1: Inspection Frequencies for common BMPs

Dry Detention systems	Once every 5 years
Wet Detention systems with littoral zones	Once every 2 years
Vegetated Natural Buffers	Once every 5 years
Manufactured Devices	As manufacturer recommends in specifications, minimum once every year
Dam Systems	Once every year
All other	Once every year

REPORTING & RECORDING

All forms required for reporting can be submitted to the respective Agency Internet site. If the permittee does not use the electronic forms provided on that site, they shall be responsible for retaining records of the inspections and for delivering such records within 30 days of request to the requesting Agency, unless a more rapid delivery is requested for such reasons as the potential for the activity harm to water quality, water resources, public health, or public safety.

Within 30 days of any failure of a stormwater management system or deviation from the permit, a report shall be submitted electronically or in writing to the Agency using Form 62-330.311(1), "Operation and Maintenance Inspection Certification," describing the remedial actions taken to resolve the failure or deviation.

The operation and maintenance entity of a regional stormwater management facility must notify the Agency on an annual basis, using Form 62-330.311(2), "Regional Stormwater Management System Annual Report," of all new systems and their associated stormwater volumes that have been allowed to discharge stormwater into the regional facility, and confirming that the maximum allowable treatment volume of stormwater authorized to be accepted by the regional stormwater management facility has not been exceeded.

A listing of all the forms that are incorporated by reference in Chapter 62-330, F.A.C., is contained in Appendix C of this Volume; copies of which may be obtained from the Agency, as described in Appendix A of this Volume and subsection 62-330.010(5), F.A.C.

Operation and maintenance documents required by section 12.3.3 must be submitted to the Agency for approval prior to recording. Such documents must be recorded in public records of the county where the project is located prior to any lot or A.H. Volume I October 1, 2013 12-10 unit sales within the project served by the system, or upon completion of construction of the system, whichever occurs first. For those systems that are to be operated and maintained by county or municipal entities, final operation and maintenance documents must be received by the Agency when maintenance and operation of the system is accepted by the local government entity. Failure to submit the appropriate final documents will result in the permittee remaining liable for carrying out maintenance and operation of the permitted system.

Permittees are advised that the Agency shall cause a "Recorded Notice of Environmental Resource Permit," Form No. 62-330.090(1), to be recorded in the public records of the county where the property is located in accordance with subsection 62-330.090(7), F.A.C., upon issuance of a permit, except for certain types of activities identified in that subsection.

Transfers of the permitted activity or the real property on which the permitted activity is located once a permit is in the operation and maintenance phase are governed by the procedures described in Rule 62-330.340, F.A.C., and section 6.3 of Volume I of the Applicant's Handbook.

FUTURE CAPITAL AND MAINTENANCE EXPENDITURES

It is estimated that the yearly operation and maintenance cost for the stormwater system for Peace River 6 will be \$4,000. The maintenance will be performed by the owners or a company hired by the owners. It is the owner's responsibility to ensure proper operation of the system. No access or ownership will be conveyed to any other entity.

APPENDICES

APPENDIX: Form 62-330.311(3) - Inspection Checklists

- Submittal of the Operation and Maintenance Inspection Certification, form 62.330.331(1) including the inspection checklist form [62.330.311(3)] or the equivalent to the applicable permitting agency.
- Only need to attach the sections of this form that are relevant to the project site.

APPENDIX: Copies of or references to the pertinent sections of all covenants, conditions, restrictions, and other association documents, permits, approvals, and agreements that govern the operation and maintenance of the stormwater management system.

- May not be applicable to every project.
- Should be cross referenced to ensure nothing in this O&M plan conflicts with the other permits, approvals, or agreements.

APPENDIX: Manufacturers product data sheet minimum recommended maintenance.

- Only required when manufactured devices are used.

APPENDIX: Maintenance Log

- Example form below to be kept with the maintenance plan to maintain record of operation.
- Not required.

Site Name	
Address	
Begin Date	End Date

Date	BMP ID	BMP Description	Maintained By	Maintenance Done	Comments Or Repair Actions Taken

INSPECTION CHECKLIST

Instructions

Prior to the inspection, the Inspector should review the permit for the facility and the design or as-built drawing for the facility.

This inspection checklist is required for the documentation of the annual inspection of all permitted stormwater systems. Complete all parts of the general data section for the project site. Attach any additional required documentation, if necessary. In the "All Technologies" category, mark all items as "satisfactory" or "unsatisfactory." For all other categories, either select "N/A" and minimize the category or mark all inspection items as "satisfactory" or "unsatisfactory." If the system described does not contain a component that is listed for inspection mark that item as "N/A"

For any item marked unsatisfactory, provide a comment below the BMP technology describing maintenance action needed to bring the system back into compliance. Within 30 days of any failure of a stormwater management system or if any components of the constructed system are found to be not in substantial conformance with the permitted system, a report shall be submitted by the

permittee or their authorized representative to the Agency using Form 62-330.311(1), "Operation and Maintenance Inspection Certification," (effective date), as per 62-330.331(2) F.A.C., describing the remedial actions taken to resolve the failure or deviation.

Inspection reports will be submitted by the permittee or their authorized representative to the applicable permitting agency. Each inspection report must be signed by a certified inspector or a registered professional to certify its authenticity.

General Data

Inspection Date

Project Name

Location

Permit Number

Time since last storm event <24 hours 24-48 hours 48-72 hours >72 hours

Permit Holder

Permit Effective Date

Inspector Name

Inspector Contact Information

Multiple BMP types in the system No Yes List All: _____

Permit drawings have been reviewed No Yes

Additional Photos Attached N/A

Compliance Activity Record Attached N/A

All (or other unlisted) Technologies

Items for inspection	Satisfactory	Unsatisfactory
General		
BMPs and treatment facilities are in good repair and operational	<input type="checkbox"/>	<input type="checkbox"/>
BMPs and treatment facilities are free from debris buildup that may impair function	<input type="checkbox"/>	<input type="checkbox"/>
Berms, embankments, curbing, or other methods used to impound, divert, and direct discharges are adequate and in good condition	<input type="checkbox"/>	<input type="checkbox"/>

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The discharge (if any) is free of floating materials, visible oil sheen, discoloration, turbidity, odor, foam, or any other signs of contamination	<input type="checkbox"/>	<input type="checkbox"/>
Vegetation		
Mowing done when needed	<input type="checkbox"/>	<input type="checkbox"/>
Grass clippings removed	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion	<input type="checkbox"/>	<input type="checkbox"/>
Inlets		
Good condition, no need for repair	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion*	<input type="checkbox"/>	<input type="checkbox"/>
Outlets/overflow spillway		
Good condition, no need for repair	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion*	<input type="checkbox"/>	<input type="checkbox"/>

Comments: _____

Traditional BMPS

Swales N/A

Items for inspection	Satisfactory	Unsatisfactory
Debris Cleanout		
Swales and contributing areas clear of debris*	<input type="checkbox"/>	<input type="checkbox"/>
Vegetation		
No evidence of erosion*	<input type="checkbox"/>	<input type="checkbox"/>
No weeds or invasive plants present	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of nutrient deficiency	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of disease	<input type="checkbox"/>	<input type="checkbox"/>
Grasses/sod are not in need of replanting/resodding	<input type="checkbox"/>	<input type="checkbox"/>
No signs of drought stress	<input type="checkbox"/>	<input type="checkbox"/>
No signs of plant overgrowth	<input type="checkbox"/>	<input type="checkbox"/>
Recovery		
Swale recovers between storms within permitted timeframe	<input type="checkbox"/>	<input type="checkbox"/>
Swale clean of sediments		
Good condition, no need for repair	<input type="checkbox"/>	<input type="checkbox"/>
No areas of sediment buildup*	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion*	<input type="checkbox"/>	<input type="checkbox"/>
Inlet Structure / Pretreatment:		
Good condition, no need for repair	<input type="checkbox"/>	<input type="checkbox"/>
No trash/debris/sediment in or around inlet structures*	<input type="checkbox"/>	<input type="checkbox"/>
No evidence that runoff is short-circuiting the inlet	<input type="checkbox"/>	<input type="checkbox"/>
Emergency Overflow / Outlet Structure		
Good condition, no need for repair	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of accumulation of trash, debris, or sediment in or around outlet structure(s)*	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion, or flooding around structures*	<input type="checkbox"/>	<input type="checkbox"/>
Swale Blocks N/A <input type="checkbox"/>		

If swale blocks or other structures are present, there is no evidence of erosion at downstream toe of structure*	<input type="checkbox"/>	<input type="checkbox"/>
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Comments: _____

Wet Pond N/A

Type of wet pond _____

Items for inspection	Satisfactory	Unsatisfactory
Vegetation		
No signs of damage from animal activity	<input type="checkbox"/>	<input type="checkbox"/>
No signs of stress or disease	<input type="checkbox"/>	<input type="checkbox"/>
No emergent invasive plant life	<input type="checkbox"/>	<input type="checkbox"/>
No areas need replanting	<input type="checkbox"/>	<input type="checkbox"/>
Dead plant material is removed, if necessary	<input type="checkbox"/>	<input type="checkbox"/>
Upland banks are maintained		
Structural		
Embankment condition	<input type="checkbox"/>	<input type="checkbox"/>
Side slopes are stable	<input type="checkbox"/>	<input type="checkbox"/>
Fences/access repairs		
Fence(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
Lock(s) and gate(s) function are adequate	<input type="checkbox"/>	<input type="checkbox"/>
Inlets		
Inlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
Runoff is not short-circuiting the inlet	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of trash/debris/sediment in or around inlet *	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion, gullies, rills, or flooding around inlet *	<input type="checkbox"/>	<input type="checkbox"/>
Outlets/overflow spillway/ drain gate		
Outlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of trash/debris/sediment in or around outlet *	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion, gullies, rills, or flooding around outlet *	<input type="checkbox"/>	<input type="checkbox"/>
Weir System: drawdown and overflow weir		
Weir system condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of clogging *	<input type="checkbox"/>	<input type="checkbox"/>
Clear of debris*	<input type="checkbox"/>	<input type="checkbox"/>

Comments: _____

Dry Pond N/A

Type of dry pond _____

Items for inspection	Satisfactory	Unsatisfactory
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Debris Cleanout		
Basin bottom clear of debris*	<input type="checkbox"/>	<input type="checkbox"/>
Emergency spillway clear of debris*	<input type="checkbox"/>	<input type="checkbox"/>
Recovery		
Pond recovers between storms	<input type="checkbox"/>	<input type="checkbox"/>
Vegetation		
No signs of damage from animal activity	<input type="checkbox"/>	<input type="checkbox"/>
No signs of stress or disease	<input type="checkbox"/>	<input type="checkbox"/>
No emergent invasive plant life	<input type="checkbox"/>	<input type="checkbox"/>
Does not need replanting	<input type="checkbox"/>	<input type="checkbox"/>
Not overgrown	<input type="checkbox"/>	<input type="checkbox"/>
Sediment cleanout of pond		
No evidence of sedimentation in pond	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion at downstream toe	<input type="checkbox"/>	<input type="checkbox"/>
Structural		
Embankment condition	<input type="checkbox"/>	<input type="checkbox"/>
Side slopes are stable	<input type="checkbox"/>	<input type="checkbox"/>
Fences/access repairs		
Fence(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
Lock(s) and gate(s) function adequate	<input type="checkbox"/>	<input type="checkbox"/>
Underdrain/side bank Filters		
Cleanout caps present and in good condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of clogging	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion over or adjacent to filter*	<input type="checkbox"/>	<input type="checkbox"/>
Inlets		
Inlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion, gullies, rills, or flooding around inlet*	<input type="checkbox"/>	<input type="checkbox"/>
Outlets/overflow spillway		
Outlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion, gullies, rills, or flooding around outlet*	<input type="checkbox"/>	<input type="checkbox"/>

Comments: _____

Exfiltration Trench N/A

Items for inspection	Satisfactory	Unsatisfactory
Debris Cleanout		
Trench surface clear of debris*	<input type="checkbox"/>	<input type="checkbox"/>
Inlet areas clear of debris*	<input type="checkbox"/>	<input type="checkbox"/>
Inflow pipes clear of debris*	<input type="checkbox"/>	<input type="checkbox"/>
Overflow spillway clear of debris*	<input type="checkbox"/>	<input type="checkbox"/>
Sediment traps or forebays		
Sufficiently trapping sediment	<input type="checkbox"/>	<input type="checkbox"/>
Has additional storage capacity available until next maintenance action	<input type="checkbox"/>	<input type="checkbox"/>
Sediment buildup has been removed	<input type="checkbox"/>	<input type="checkbox"/>

Vegetation		
Water does not stand on vegetative surface	<input type="checkbox"/>	<input type="checkbox"/>
Good vegetative cover exists	<input type="checkbox"/>	<input type="checkbox"/>
Recovery		
Trench recovers between storms	<input type="checkbox"/>	<input type="checkbox"/>
Sediment cleanout of trench		
No evidence of sedimentation in trench*	<input type="checkbox"/>	<input type="checkbox"/>
Inlets		
Inlet intake(s) functioning adequately	<input type="checkbox"/>	<input type="checkbox"/>
Inlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of flooding around inlet	<input type="checkbox"/>	<input type="checkbox"/>
Outlets/overflow spillway		
Outlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of flooding around outlet	<input type="checkbox"/>	<input type="checkbox"/>
Structural		
Embankment condition	<input type="checkbox"/>	<input type="checkbox"/>
Side slopes are stable	<input type="checkbox"/>	<input type="checkbox"/>
Aggregate repairs		
Surface of aggregate clean	<input type="checkbox"/>	<input type="checkbox"/>
Top layer of stone does not need replacement	<input type="checkbox"/>	<input type="checkbox"/>
Trench does not need rehabilitation	<input type="checkbox"/>	<input type="checkbox"/>

Comments: _____

Pervious Pavers/Pavement N/A

Items for inspection	Satisfactory	Unsatisfactory
Debris Cleanout		
Paving area clean of debris*	<input type="checkbox"/>	<input type="checkbox"/>
Site Area		
Drainage area contains stable soil that will not clog pavers	<input type="checkbox"/>	<input type="checkbox"/>
Vegetation on site healthy and glass clippings removed	<input type="checkbox"/>	<input type="checkbox"/>
Runoff is not short-circuiting the pavers	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion, gullies, or rills around site	<input type="checkbox"/>	<input type="checkbox"/>
Infiltration		
Infiltrometer Test meets requirements	<input type="checkbox"/>	<input type="checkbox"/>
Recovery		
Pervious paving recovers between storms	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of clogging or standing water	<input type="checkbox"/>	<input type="checkbox"/>
Sediments		
Pavement area clean of sediments	<input type="checkbox"/>	<input type="checkbox"/>
Area vacuum swept on a periodic basis	<input type="checkbox"/>	<input type="checkbox"/>
Structural Integrity		
No evidence of surface deterioration	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of rutting or spalling	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of pavement settling	<input type="checkbox"/>	<input type="checkbox"/>

No evidence of missing aggregate between pavers	<input type="checkbox"/>	<input type="checkbox"/>
Outlets		
Outlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of clogging	<input type="checkbox"/>	<input type="checkbox"/>
Clean out caps present if included	<input type="checkbox"/>	<input type="checkbox"/>
Vegetation cells N/A <input type="checkbox"/>		
Vegetation healthy	<input type="checkbox"/>	<input type="checkbox"/>
Vegetation not overgrown	<input type="checkbox"/>	<input type="checkbox"/>
No grass clippings present *	<input type="checkbox"/>	<input type="checkbox"/>

Comments: _____

Stormwater Vaults or Tanks N/A

Items for inspection	Satisfactory	Unsatisfactory
Debris Cleanout		
Paving area clean of debris*	<input type="checkbox"/>	<input type="checkbox"/>
Recovery		
Recovers between storms	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of standing water	<input type="checkbox"/>	<input type="checkbox"/>
No nuisance flooding evident	<input type="checkbox"/>	<input type="checkbox"/>
Sediments		
Clear of sediments*	<input type="checkbox"/>	<input type="checkbox"/>
Structural Integrity		
No evidence of surface deterioration	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of cracking	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of rutting or spalling	<input type="checkbox"/>	<input type="checkbox"/>
Safety		
Ladders functioning and in good repair	<input type="checkbox"/>	<input type="checkbox"/>
Adequate venting for access	<input type="checkbox"/>	<input type="checkbox"/>
Contains primary and secondary access	<input type="checkbox"/>	<input type="checkbox"/>
Inlets		
Inlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of scouring	<input type="checkbox"/>	<input type="checkbox"/>
Outlets		
Outlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion *	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of clogging	<input type="checkbox"/>	<input type="checkbox"/>

Comments: _____

Constructed Marsh System N/A

Items for inspection	Satisfactory	Unsatisfactory
Debris Cleanout		
Marsh System clear of debris*	<input type="checkbox"/>	<input type="checkbox"/>
Vegetation		

Appears healthy	<input type="checkbox"/>	<input type="checkbox"/>
No emergent invasive plant life	<input type="checkbox"/>	<input type="checkbox"/>
No signs of damage from animal activity	<input type="checkbox"/>	<input type="checkbox"/>
No signs of stress or disease	<input type="checkbox"/>	<input type="checkbox"/>
No areas need replanting	<input type="checkbox"/>	<input type="checkbox"/>
Dead plant material removed, as necessary	<input type="checkbox"/>	<input type="checkbox"/>
Upland banks are maintained	<input type="checkbox"/>	<input type="checkbox"/>
Flow		
No signs of channeling or erosion *	<input type="checkbox"/>	<input type="checkbox"/>
Maintains minimum permitted water elevation	<input type="checkbox"/>	<input type="checkbox"/>
No signs of drought or short-circuiting	<input type="checkbox"/>	<input type="checkbox"/>
Inlets		
Inlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
Runoff is not short-circuiting the inlet	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of trash/debris/sediment in or around inlet *	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion, gullies, rills, or flooding around inlet *	<input type="checkbox"/>	<input type="checkbox"/>
Vegetation around inlet in good condition	<input type="checkbox"/>	<input type="checkbox"/>
Outlets/emergency outflow N/A <input type="checkbox"/>		
Outlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of trash/debris/sediment in or around outlet *	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion, gullies, rills, or flooding around outlet *	<input type="checkbox"/>	<input type="checkbox"/>
Weir System or Level Spreader N/A <input type="checkbox"/>		
Weir system condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of clogging	<input type="checkbox"/>	<input type="checkbox"/>
Clear of debris*	<input type="checkbox"/>	<input type="checkbox"/>

Comments: _____

Vegetative Natural Buffers N/A

Items for inspection	Satisfactory	Unsatisfactory
Debris Cleanout		
Buffer clear of debris*	<input type="checkbox"/>	<input type="checkbox"/>
Vegetation		
Vegetation healthy	<input type="checkbox"/>	<input type="checkbox"/>
No emergent invasive plant life	<input type="checkbox"/>	<input type="checkbox"/>
No signs of damage from animal activity	<input type="checkbox"/>	<input type="checkbox"/>
No signs of stress or disease	<input type="checkbox"/>	<input type="checkbox"/>
No areas need replanting	<input type="checkbox"/>	<input type="checkbox"/>
Dead plant material removed, as necessary	<input type="checkbox"/>	<input type="checkbox"/>
Upland banks are maintained	<input type="checkbox"/>	<input type="checkbox"/>
Flow		
No signs of channeling or erosion *	<input type="checkbox"/>	<input type="checkbox"/>
Maintain minimum permitted water elevation	<input type="checkbox"/>	<input type="checkbox"/>
No signs of drought or prolonged ponding	<input type="checkbox"/>	<input type="checkbox"/>
Inlets		

Inlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
Runoff is not short Circuiting the inlet	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of trash/debris/sediment in or around inlet *	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion, gullies, rills, or flooding around inlet *	<input type="checkbox"/>	<input type="checkbox"/>
Vegetation around inlet in good condition	<input type="checkbox"/>	<input type="checkbox"/>
Outlets/emergency outflow N/A <input type="checkbox"/>		
Outlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of trash/debris/sediment in or around outlet *	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion, gullies, rills, or flooding around outlet *	<input type="checkbox"/>	<input type="checkbox"/>

Comments: _____

Green Roof N/A

Items for inspection	Satisfactory	Unsatisfactory
Debris Cleanout		
Vegetated area clear of debris*	<input type="checkbox"/>	<input type="checkbox"/>
Dewatering		
Recovers between storms	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of ponding or inundation	<input type="checkbox"/>	<input type="checkbox"/>
Structural		
Constructed elements condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of roof leaks	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of exposed or actively eroding areas	<input type="checkbox"/>	<input type="checkbox"/>
Dispersal system/sprinkler N/A <input type="checkbox"/>		
Dispersal system/sprinkler functioning as intended	<input type="checkbox"/>	<input type="checkbox"/>
Piping in good repair	<input type="checkbox"/>	<input type="checkbox"/>
Pumps functioning as intended	<input type="checkbox"/>	<input type="checkbox"/>
Cistern tank functioning as intended	<input type="checkbox"/>	<input type="checkbox"/>
Overflow functioning as intended	<input type="checkbox"/>	<input type="checkbox"/>
Vegetation		
Vegetation healthy	<input type="checkbox"/>	<input type="checkbox"/>
No emergent invasive plant life	<input type="checkbox"/>	<input type="checkbox"/>
No signs of nutrient deficiency/disease	<input type="checkbox"/>	<input type="checkbox"/>
No areas need replanting	<input type="checkbox"/>	<input type="checkbox"/>
Inlets/Catchments		
Inlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion*	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of clogging	<input type="checkbox"/>	<input type="checkbox"/>
Outlets		
Outlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of trash/debris/sediment in or around outlet*	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion or flooding *	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of bypassing	<input type="checkbox"/>	<input type="checkbox"/>

Comments: _____

Cistern N/A

Items for inspection	Satisfactory	Unsatisfactory
Site area		
No evidence of clogging flow paths or pipes *	<input type="checkbox"/>	<input type="checkbox"/>
Structural		
Constructed elements condition	<input type="checkbox"/>	<input type="checkbox"/>
Condition of foundation if above ground	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of leaks	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of algal growth in cistern	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of prolonged storage	<input type="checkbox"/>	<input type="checkbox"/>
Vegetation		
Trees appear healthy	<input type="checkbox"/>	<input type="checkbox"/>
Trees do not need replacing or pruning	<input type="checkbox"/>	<input type="checkbox"/>
No emergent invasive plant life	<input type="checkbox"/>	<input type="checkbox"/>
Inlets		
Inlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
Runoff is not bypassing the inlet(s)	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of trash/debris/sediment in or around inlet *	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion, gullies, rills, or flooding around inlet *	<input type="checkbox"/>	<input type="checkbox"/>
Screen and/or trap is secured and functioning properly	<input type="checkbox"/>	<input type="checkbox"/>
Screen and/or trap is clear of debris build up *	<input type="checkbox"/>	<input type="checkbox"/>
First flush collector (if present) clear of debris and properly functioning	<input type="checkbox"/>	<input type="checkbox"/>
Outlets/emergency overflow		
Outlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of trash/debris/sediment in or around outlet*	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion or flooding *	<input type="checkbox"/>	<input type="checkbox"/>
Pump N/A <input type="checkbox"/>		
Float switch functional	<input type="checkbox"/>	<input type="checkbox"/>
Pump functional	<input type="checkbox"/>	<input type="checkbox"/>
Healthy vegetation, if used for irrigation	<input type="checkbox"/>	<input type="checkbox"/>

Comments: _____

Tree Box or Tree Well N/A

Items for inspection	Satisfactory	Unsatisfactory
Site area		
Area clear of excess debris*	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion*	<input type="checkbox"/>	<input type="checkbox"/>
Structural		
Constructed elements condition	<input type="checkbox"/>	<input type="checkbox"/>
Device dewateres between storms	<input type="checkbox"/>	<input type="checkbox"/>

No evidence of inundation	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of sediment build up *	<input type="checkbox"/>	<input type="checkbox"/>
Vegetation		
Tree(s) appears healthy	<input type="checkbox"/>	<input type="checkbox"/>
Tree(s) do not need replacing or pruning	<input type="checkbox"/>	<input type="checkbox"/>
No emergent invasive plant life	<input type="checkbox"/>	<input type="checkbox"/>
Inlets		
Inlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
Runoff is not bypassing the inlet	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of trash/debris/sediment in or around inlet *	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion, gullies, rills, or flooding around inlet *	<input type="checkbox"/>	<input type="checkbox"/>
Outlets/emergency overflow		
Outlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of trash/debris/sediment in or around outlet*	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion or flooding *	<input type="checkbox"/>	<input type="checkbox"/>
Underdrain, if installed		
All cleanouts clear from clogging or blockages *	<input type="checkbox"/>	<input type="checkbox"/>
Cleanouts in good condition	<input type="checkbox"/>	<input type="checkbox"/>

Comments: _____

Bioswale or Raingarden N/A

Type of LID(s) _____

Items for inspection	Satisfactory	Unsatisfactory
Site area		
Area clear of excess debris*	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion or sedimentation *	<input type="checkbox"/>	<input type="checkbox"/>
Dewatering		
Ponding dewaterers between storms	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of inundation	<input type="checkbox"/>	<input type="checkbox"/>
Sediment cleanout		
No evidence of sedimentation	<input type="checkbox"/>	<input type="checkbox"/>
Structural		
Constructed elements condition	<input type="checkbox"/>	<input type="checkbox"/>
Mulch depth at least 2 inches	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of damage from wildlife	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion*	<input type="checkbox"/>	<input type="checkbox"/>
No sediment build-up*	<input type="checkbox"/>	<input type="checkbox"/>
Vegetation		
Vegetation healthy	<input type="checkbox"/>	<input type="checkbox"/>
No emergent invasive plant life	<input type="checkbox"/>	<input type="checkbox"/>
No areas need replanting	<input type="checkbox"/>	<input type="checkbox"/>
Not overgrown	<input type="checkbox"/>	<input type="checkbox"/>
Inlets		

Inlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
Runoff is not short-circuiting the inlet area	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of trash/debris/sediment in or around inlet area*	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion, gullies, rills, or flooding around inlet area*	<input type="checkbox"/>	<input type="checkbox"/>
Plant life around inlets condition	<input type="checkbox"/>	<input type="checkbox"/>
Outlets/overflow spillway		
Outlet(s) condition	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of trash/debris/sediment in or around outlet*	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of erosion or flooding *	<input type="checkbox"/>	<input type="checkbox"/>
Underdrain N/A <input type="checkbox"/>		
All cleanouts clear from clogging or blockages	<input type="checkbox"/>	<input type="checkbox"/>
Cleanouts in good condition	<input type="checkbox"/>	<input type="checkbox"/>

Comments: _____

Non-Traditional BMPS

Other Manufactured BMPs N/A

Type of System _____

Items for inspection	Satisfactory	Unsatisfactory
Functioning based on permit and manufacturer specifications	<input type="checkbox"/>	<input type="checkbox"/>
No evidence of damage or clogging	<input type="checkbox"/>	<input type="checkbox"/>

Comments: _____

Monitoring Devices and Adaptive Controls N/A

Type of Monitoring Device(s) _____

Items for inspection	Satisfactory	Unsatisfactory
Computer components		
Functioning as intended	<input type="checkbox"/>	<input type="checkbox"/>
Recording data at permitted intervals	<input type="checkbox"/>	<input type="checkbox"/>
No signs of rusting, corrosion, or other weather damage	<input type="checkbox"/>	<input type="checkbox"/>

Comments: _____

* That May Impair Function

Signature

Inspector Name:

September 5, 2024

Signature of Inspector:

Florida Registration Number:

September 5, 2024