

MATAGORDA COUNTY DRAINAGE DISTRICT #1

ANNUAL INSPECTION CERTIFICATE – TEMPLATE

ANNUAL DETENTION FACILITY ENGINEER’S CERTIFICATE – Part 1 of 2

Matagorda County Drainage District #1
2604 Nichols Ave.
Bay City, TX 77414

Project Name: _____

Project Address: _____

Date of Inspection: _____

I, _____, a Professional Engineer duly licensed to practice in the State of Texas, have inspected the Detention Facilities that serve the referenced project, and do hereby certify that the Detention Facilities constructed are in compliance with the Detention Facility Maintenance Agreement under the Matagorda County Drainage District #1. Furthermore, I certify that these Detention Facilities appear to be fully constructed and operational in accordance with the Matagorda County Drainage District #1 approved drainage plans.

Engineer’s Seal:

Engineer Company Name (if applicable): _____ Date: _____

Engineer Name (Please Print): _____

Engineer Signature: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone No.: _____ E-mail: _____

MATAGORDA COUNTY DRAINAGE DISTRICT #1

ANNUAL INSPECTION CERTIFICATE – TEMPLATE

ANNUAL INSPECTION CHECKLIST – GUIDELINES – Part 2 of 2

Inspection Completed By: _____ Date of Inspection: _____

Owner of Detention Pond: _____ Location of Detention Pond: _____

Legend:

S = Satisfactory – Condition meets original design plans and specifications.

U = Unsatisfactory – Condition that does not meet original design specs.

N/A = Not Applicable

INSPECTION ITEMS	S	U	N/A	Corrective Actions/ Comment
GENERAL				
Area is clean (trash, debris, grass clippings, etc.).				
Signs of deficiencies or the detention pond not functioning as designed (i.e. lower NWSE, missing/added structures, pump station failures, etc.).				
DETENTION POND INLET				
Area around the inlet structure is mowed and grass clippings are removed.				
Signs of erosion, scour, or gullies; undermined or undercut earth/embankment; or exposed dirt or dead vegetation.				
Water is going through structure (i.e. no evidence of water going around the structure).				
Signs of damage or corrosion/rusting of the inlet structure.				
Tree roots or dense vegetation impacting the inlet structure or other threats to the structure's integrity.				
Excess debris or sediment accumulation in or around the inlet potentially clogging the inlet opening/pipe.				
EMERGENCY OVERFLOW SWALE INTO DETENTION POND				
Emergency overflow is free of trash, debris, and sediment.				
No evidence of erosion, scour, or flooding around the structure.				
No shrubs or trees growing on embankment.				
No signs of seepage on the downstream face.				
No signs of animal activity.				

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ANNUAL INSPECTION CHECKLIST – GUIDELINES – Part 2 of 2 (cont.)				
INSPECTION ITEMS	S	U	N/A	Corrective Actions/ Comment
DETENTION POND: Includes side slopes, bottom, maintenance berms and associated erosion control measures.				
Area is free of trash, debris, and sediment.				
Erosion protection is present on site (i.e., turf reinforcement mats). Comment on types of erosion protection and evaluate condition.				
Minimum 75% turf establishment on side slopes, maintenance berm, and pond bottom (if dry).				
Are pond walls/embankments eroded, caved in, or being undermined?				
(If dry pond) No evidence of long-term ponding or standing water in the ponding area (i.e. stains, odors, mosquito larvae, etc.).				
(If dry pond) Sediment accumulation within the dry detention basin is less than 6 inches.				
Evidence of Animals (i.e. nutria, beavers, etc.).				
Comment on the overall condition of the detention pond (i.e. pond working properly, minor erosion related issues, etc.).				
INLET/ OUTLET STRUCTURE WITHIN THE DETENTION POND				
Outlet structure is free of trash, debris, and sediment.				
Erosion or scour; undermined or undercut embankment; exposed soil; vegetation on outlet structure?				
Are tree roots or woody vegetation causing damage to outlet structures?				
Breakage, damage or corrosion/rusting to outlet pipe?				
(if applicable) Restrictor (i.e. orifice) is clear and flowing freely.				
EMERGENCY OVERFLOW SWALE OUT OF THE DETENTION POND				
Emergency overflow is free of trash, debris, and sediment.				
No evidence of erosion, scour, or flooding around the structure.				
No shrubs or trees growing on embankment.				
No signs of seepage on the downstream face.				
No signs of animal activity.				

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INSPECTION ITEMS	S	U	N/A	Corrective Actions/ Comment
DETENTION POND OUTFALL AREA: Area outside the pond where stormwater exits the pond, including the area around the outfall pipe and immediately down the slope, including receiving waterways.				
Signs of stormwater exiting the pond in an uncontrolled manner over or through the pond outside wall?				
Erosion, scour, or undercut embankment; bare ground or dead vegetation below outfall?				
List any issues or concerns with receiving waterway.				
PUMP(s)				
(If applicable) Operation of Pump(s)				
(If applicable) Operation of Pump(s) Controls				
List any issues or concerns with pump station.				
ADDITIONAL COMMENTS				

Notes:

- (1) If a specific maintenance item was not checked, please explain why in the appropriate comment box.
- (2) Photographs - Please attach photographs taken of each assessment inspection in this section of the report.
Include a description of each photograph. Attach additional pages as needed.
- (3) The Applicant shall complete one form per detention pond.