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Aristida Homeowners Association, Inc c/o Wise Property Management, Inc. / Joseph Vilardi, LCAM 18550 N. Dale Mabry Hwy. Lutz, FL 33548 August 8, 2022

Re: SWFWMD ERP – 2022 Stormwater System Permit Renewal Inspection Report

SWFWMD Project Name: **Aristida - Phase 3** (111.9 acres) Permit No. 40 002878.009 / Pasco County

CES Engineering has inspected the stormwater retention system located at the subject property on June 08, 2022. This inspection was performed to determine if the system is being maintained and operated according to the conditions of the SWFWMD-issued permit. Before Michael Cammisa, P.E., can complete and submit the appropriate inspection form to SWFWMD there are some maintenance and/or compliance issues that were observed that we recommend be addressed, as follows.

- There are Concrete and/or Geoweb Weir Structures throughout the permitted area in swales that receive run off from the road and discharge to the wetlands. Many have excessive vegetation and silt build up around the structures and inside the skimmers. We recommend clearing the vegetation and removing silt build up under the skimmers, as necessary. Some areas may also require some minor excavation or re-trenching on both the inlet and discharge sides to ensure proper flow into the wetlands. (See example images #1 thru 4).
- The Mitered End Section (MES) pipe end of the Pipe system that receives flow from the Basin structure (with grate) and flows under Alico Pass to connect the wetlands has silt build up, debris and vegetation in pipe that should be cleared. The Basin structure should also be cleared on the inlet side. (See images #5 &6)
- There is rear yard berm systems behind the homes with intermittent swales with a Geoweb base that enables run off from the residential lots to flow to the wetlands. Some of these have vegetation and silt build up and may not be recognizable by the homeowners. We were very limited in the number of rear yards we were able to access and inspect in this permitted area. Some homeowners may not be aware of these as a part of the stormater system. We recommend clearing as needed. Some areas may also require some minor excavation or berm maintenance to ensure proper flow into the wetlands. (See image #7 and Site Plans).
- Some of the swales that flow to the ponds and/or wetland have a build up of silt and vegetation that has accumulated over the years. At some point the HOA may want to conduct some maintenance of the swales that need to be excavated, re-cut and/or graded to enable proper flow. (See example images #8, 9 & 10)

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- The swales that rum along the roads in front of the lots appear to be well maintained except in few areas, mainly the lots that are not developed. (See example images #11 & 12)
- The available as-built plans used for the inspection are not very detailed and/or do not appear to be complete. There are a number of concrete or Geoweb weir structure that receive run-off from the road and flow to wetlands that were observed but are not depicted in the plans.

Note: Example images of the issues are attached below. Please note that there are not images of every issue but the example images are indicative of other similar type issues. A site plan is also attached with the images locations

SUMMARY:

The overall stormwater system is presently in need of some maintenance. The facility is on a 60 month inspection cycle which sometimes allows for things to go unattended until the permit renewal comes up or a complaint is filed. Although some of the issues are minor, all are the type of issues that will only get worse and cost more to repair later, if not addressed. In addition they will impact the ability of the stormwater system to properly function and treat run-off. When the issues are corrected, a re-inspection of the stormwater system will be arranged and the appropriate paperwork completed for submission to SWFWMD.

At your request, CES Engineering can prepare an estimate quote to correct these issues. If you have any questions regarding the inspection report, please feel free to call me or Michael Cammisa, P.E., at (813) 969-2366.

Sincerely CES ENGINEERING, INC.

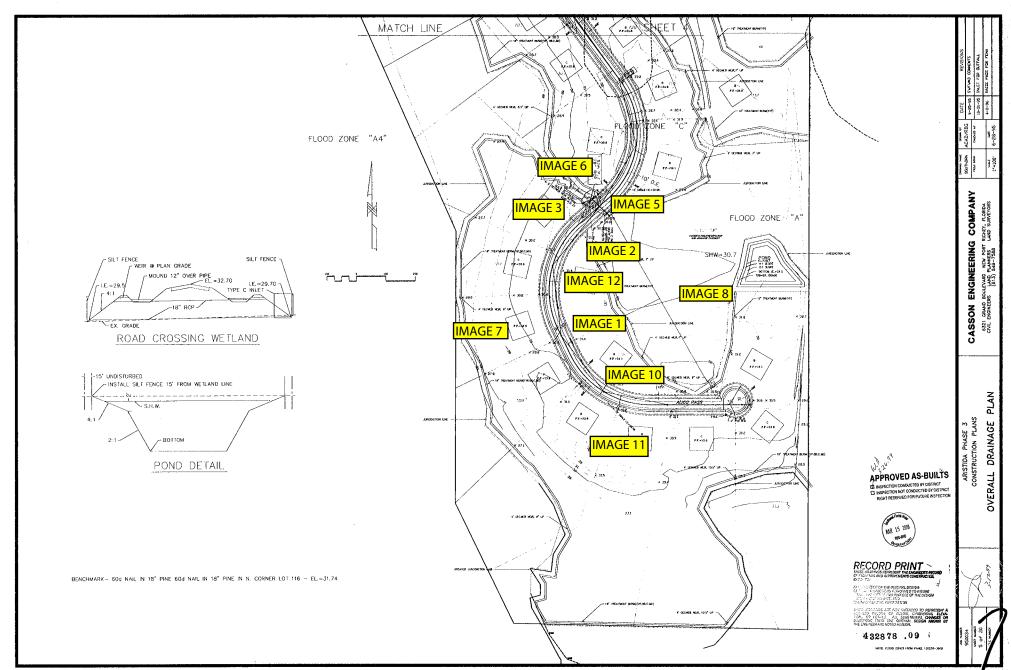
Richard Gagen Project Manager

Example Images

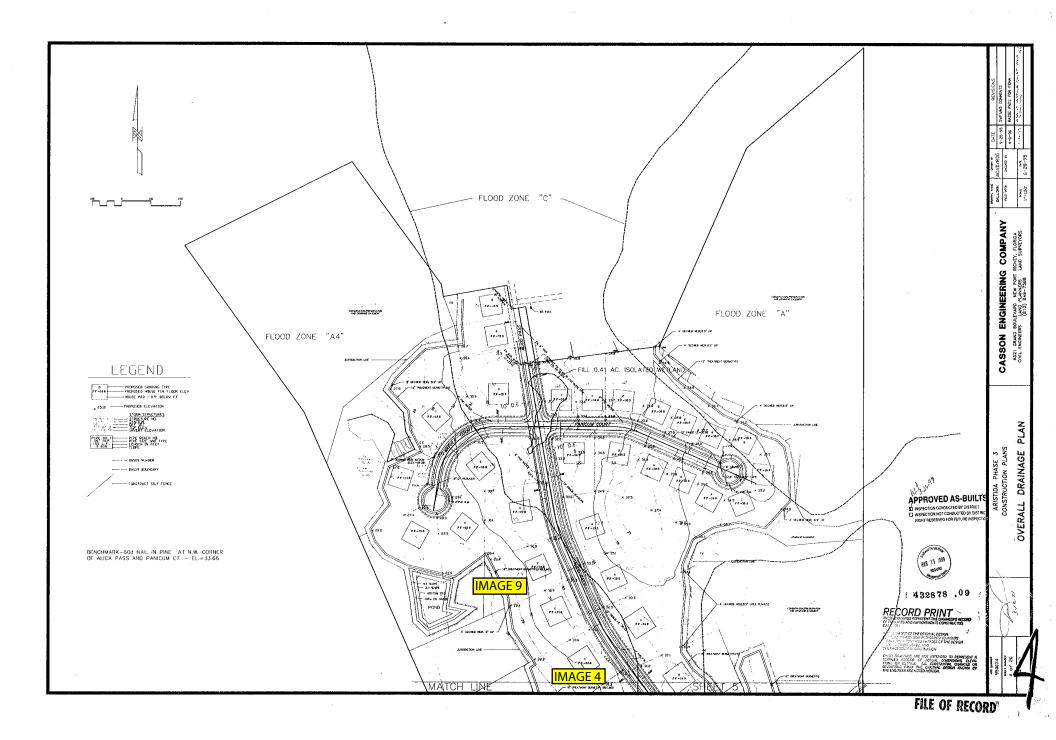


Example Images





FILE OF RECORD



WATER MANAGEMENT INFORMATION SYSTEM Data Warehouse current as of Jun 7, 2022 04:10 PM

