OPERATION AND MAINTENANCE INSPECTION

STORMWATER MANAGEMENT SYSTEM

GULL AIRE VILLAGE

151B GULL AIRE BLVD

OLDSMAR, FL 34677

PERMIT # 40-105099.00

& #40-15099.001

PINELLAS COUNTY

Prepared For:

AMERITECH
6415 1ST AVENUE SOUTH
ST. PETERSBURG, FL 33707

Prepared By:

ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.
5119 NORTH FLORIDA AVENUE
TAMPA, FLORIDA 33603
EEC PROJECT #2021058

September 4, 2021

ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.

September 4, 2021

Mr. David Fedash, LCAM
Ameri-Tech
6415 1st Avenue South
St. Petersburg, FL 33707

Re: Stormwater System Operation and Maintenance Inspection
Gull Aire Village – 151b Gull Aire Blvd, Oldsmar, FL 34677
Permit #: 40-105099.00 & 40-15099.001

Dear Mr. Fedash,

Per your authorization, Nicholas Thomas and myself visited the site on July 19, 2021 to inspect the stormwater infrastructure at Gull Aire Village. As in previous visits, inspections were completed for the five basins, two outfalls, and two wetlands throughout the subdivision. Refer to the attached site layout for reference.

Basin 1

This basin is centrally located south of Pelican Dr S and Gull Aire Blvd, west of Sail Fish Blvd, and northeast of Trout Ln. Basin 1 is the largest basin on site, having a connection (via berm and baffle) to the southern wetland area. A walk along the circumference of this basin yielded a few objects of concern, including the following: broken/filled in PVC from the baffle, worsening bank erosion, and more significant erosion around the mitered end-wall of the storm culvert on the north bank.

South Wetland / Southern Canal Spillway

This wetland is located to the North/Northwest of Basin 1. As noted above, damage may be present for the overflow/connector with Basin 1 based upon the presence of broken PVC pipe. There appeared to be minor overgrowth in the wetland area across from the southern canal spillway and behind the homes further south along Trout Ln. Minor bank erosion was also noted at the outlet of this wetland to the southern spillway. The overflow system has a 24” RCP that directs outflow to the south toward Alligator Creek. The pipe

leads to a concrete outfall structure which releases water onto concrete rip-rap bags for energy dissipation. The water then flows down a natural grade toward the creek. Minor damage was observed at time of inspection, including side slope erosion, cracks in concrete slabs, and overgrown weepholes. In addition, the debris trap and threaded PVC sleeve were found to be broken.

Basin 2

This basin is located north of Cobia Way, west of Lake Way, east of Canal Way, and south of Tarpon Lane. It connects to the Northern Wetland and thereby the northern canal spillway. At the time of visit, erosion was noted along the banks with more significant issues being present along the concrete mitered end section on the eastern bank.

North Wetland/ Northern Canal Spillway

This wetland is located to the north of Basin 2. The overflow system has a 24" RCP that directs outflow to the south toward Alligator Creek. The pipe leads to a concrete outfall structure which releases water onto concrete rip-rap bags for energy dissipation. The water then flows down a natural grade toward the creek. Significant damage was observed at time of inspection, including side slope erosion, broken concrete slabs, and overgrown weepholes. In addition, the debris trap and threaded PVC sleeve were found to be broken.

Basin 3

Basin 3 is south of Lake Way and Dolphin Drive. There is an approximately 0.25 -acre open -water pond with a green fiberglass skimmer on the south side of the pond, allowing underflow into the wetland. The pond appears be properly maintained and functioning.

Basin 4

This basin is south of Salmon and Dove Terrace. There is an approximately 0.25 -acre open-water pond. There is a wetland to the north and south of this pond. The pond appears be properly maintained and functioning.

Basin 5

This basin is south of Dove Terrace, an approximately 1.5-acre open-water pond with water lilies. There is an overflow structure on the basin which overflows to a wetland to the south. Beyond previously reported bank erosion, the pond and overflow structure do not have any significant issues at this moment.

Recommendations

- Highest priority: replacement of concrete drainage outfall structures at the northern spillway, including side slope and channel slabs, the 'beehive' debris trap and threaded 6" PVC sleeve. EEC is connecting you with a retention construction specialist to continue the conversations regarding the necessary repairs to this structure
- Replacement of baffle/PVC post at overflow to wetland for Basin 2.
- Minor repairs to southern spillway, address erosion along the side slope and channel slab to prevent failure not unlike the northern spillway
- Stabilization/grading of basin shorelines, particularly for Basin 1. Addressing these issues in the near-term will prevent more costly maintenance in the future
- Continue to maintain vegetation, particularly invasive species (e.g. Brazilian pepper) where currently an issue.

Attached is a copy of the Certificate page that has been sent under separate cover to SWFWMD. Staff may come out to verify our inspection.

Should you have any questions please contact me at 813-237-3781.

Sincerely
ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.

Michael J. Nolan, P.E.

STATEMENT OF INSPECTION FOR PROPER OPERATION AND MAINTENANCE

SOUTHWEST FLORIDA
WATER MANAGEMENT DISTRICT

2379 BROAD STREET • BROOKSVILLE, FL 34604-6899
(352) 796-7211 OR FLORIDA WATS 1 (800) 423-1476

Within 30 days after completion of the inspection for proper operation and maintenance, the operation and maintenance entity or its authorized agent must SEND THE ORIGINAL PLUS ONE COPY OF THIS FORM to the Southwest Florida Water Management District, 2379 Broad Street, Brooksville, Florida 34604-6899. Upon receipt, the District will review this statement and may inspect the system for compliance with the approved permit and as-built drawings.

(1) SURFACE WATER MANAGEMENT SYSTEM INFORMATION:

Permit No. 40-15099.000 & 40-15099.001 **County:** PINELLAS

Project Name: GULL AIRE VILLAGES

Permittee: GULL AIRE LIMITED INC

Address: 625 PELICAN DRIVE S

City OLDSMAR **State** FLORIDA **Zip** 34677

Telephone: (727) 786-8000 x252

(2) I hereby certify that an inspection of the above-referenced system was performed on 07/19/2021 **and further certify based on my observations that all above-ground facilities are being operated and maintained as authorized by the Southwest Florida Water Management District. I further state that it is my opinion based on my observations, knowledge, experience and any other available information that the below-ground facilities are being operated and maintained as authorized.**

By: _____ Michael J. Nolan 79407
Signature of Engineer **Name (Please Type)** **FL P.E. No.**

MICHAEL JAMES NOLAN LICENSE No. 79407 STATE OF FLORIDA PROFESSIONAL ENGINEER

(Affix Seal)

Environmental Engineering Consultants, Inc.
Company Name

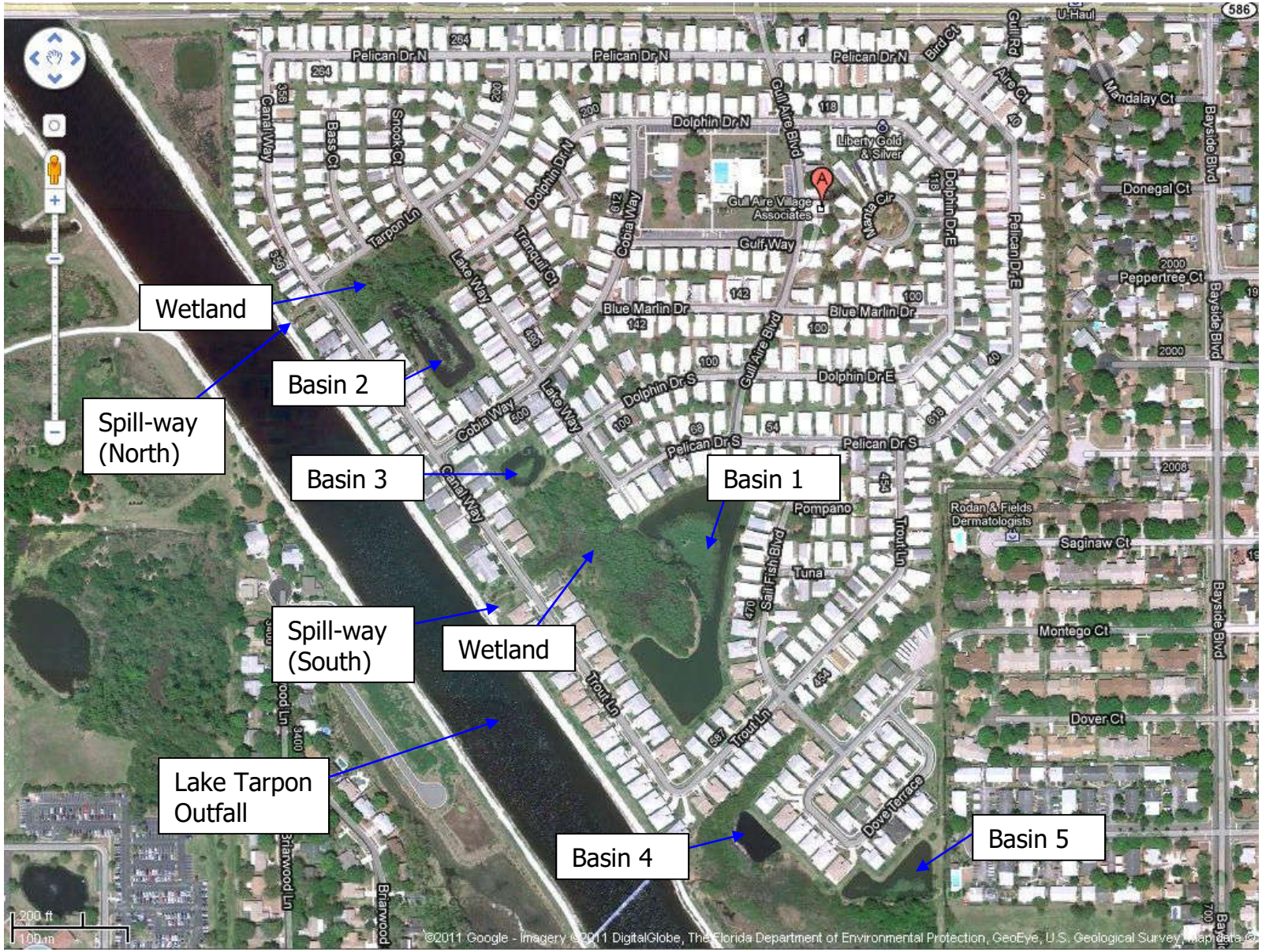
3119 N. Florida Ave.
Company Address

Tampa, Florida 33603
City, State, Zip

Phone: (813) 237-3781 **Date:** 8/31/21

* Note, major maintenance required, but system still able to function

Site Layout


Wetland
Basin 2
Spill-way (North)
Basin 3
Basin 1
Spill-way (South)
Wetland
Lake Tarpon Outfall
Basin 4
Basin 5
Pelican Dr N
Dolphin Dr N
Gulf Way
Blue Marlin Dr
Dolphin Dr S
Dolphin Dr E
Pelican Dr S
Pompano
Tuna
Trout Ln
Dover Ct
Montego Ct
Saginaw Ct
Donegal Ct
Peppertree Ct
Bayside Blvd
Gulf Aire Blvd
Canal Way
Lake Way
Cobia Way
Tarpon Ln
Snook Ct
Bass Ct
Tranquil Ct
Sail Fish Blvd
Dove Terrace
Briarwood Ln
Rodan & Fields Dermatologists
Liberty Gold & Silver
Gulf Aire Village Associates
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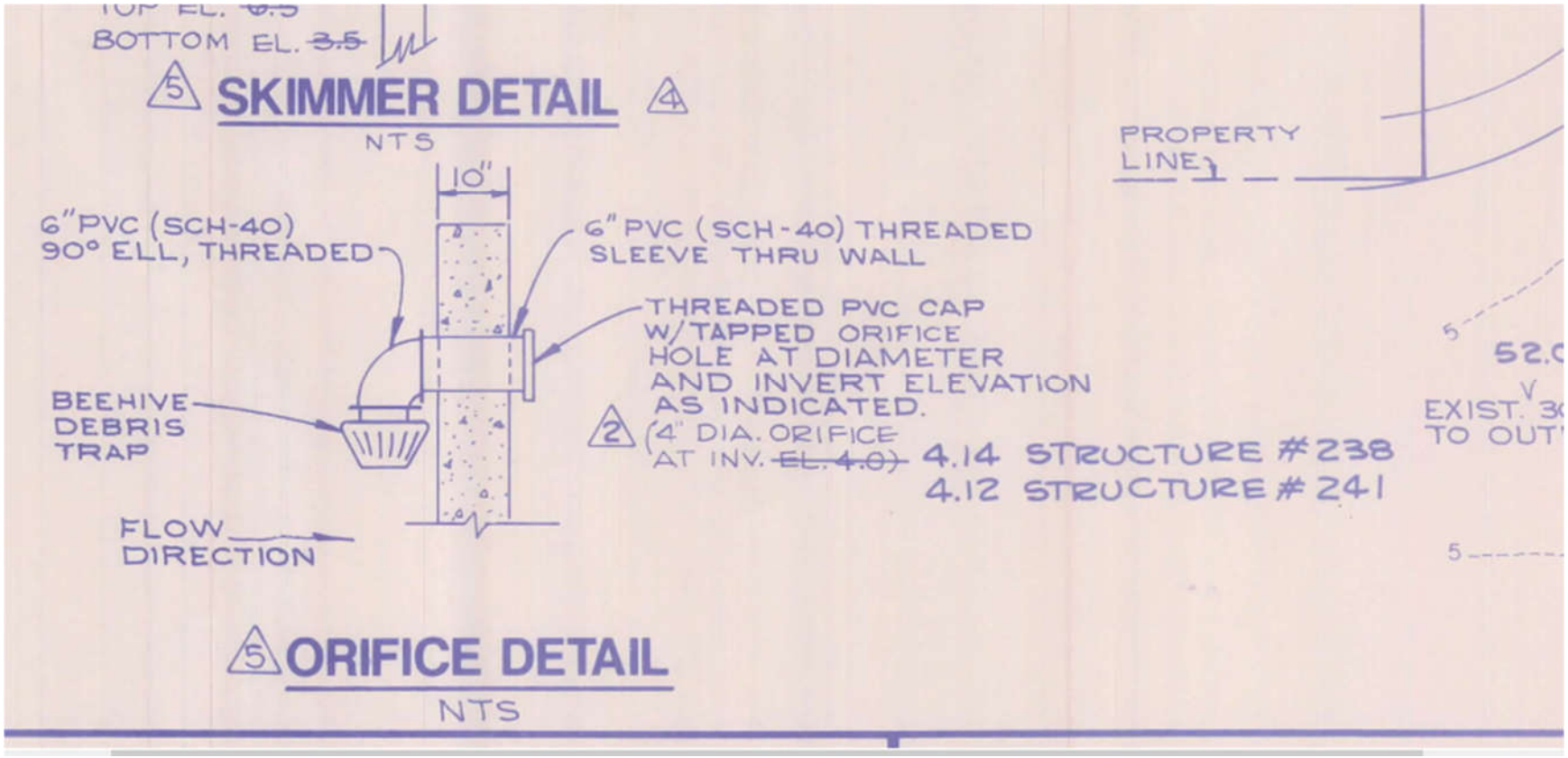

Debris Trap Replacement Detail

Continue to maintain vegetation (Northern spillway)

Northern Spillway

Northern Spillway

Outlet Northern Spillway

Cracked Concrete @ Northern Spillway

Cracked Concrete @ Northern Spillway

Broken Beehive Debris Trap @ Northern Spillway

Anhinga at Southern Spillway

Erosion at Southern Spillway

Southern Spillway

Southern Spillway missing Debris Trap, Cracking of Concrete

Southern Spillway Outlet (continue to maintain vegetation)

Southern Spillway


Erosion of bank (Basin 1)

Basin 1

Overflow Structure Basin 5

Basin 5

Basin 4

Basin 4

Typ Grate

County Ditch