

FL Certificate of Authorization No. 7538 8935 NW 35 Lane, Suite 101 Doral, FL 33172 Tel. (305) 640-1345 Fax (305) 640-1346 E-Mail: Juan.Alvarez@AlvarezEng.com

May 27, 2022

Ms. Gloria Perez
District Manager
Keys Cove Community Development District
Special District Services, Inc.
The Oaks Center
2501A Burns Road
Palm Beach Gardens, FL 33410

#### Re: Year 2022 Keys Cove Community Development District Report

Dear Ms. Perez:

The intent of this report is fourfold: 1) To inform as to the status of ownership of the infrastructure that was financed or constructed by the District; 2) To describe the state, working order and condition of the infrastructure still owned by the District; 3) To give recommendations as to the funds estimated necessary for the proper maintenance, repair and operation of the District's infrastructure and; 4) To report on the insurance being carried by the District.

The District is in Section 29, Township 57 South, Range 39 East, in the City of Homestead, Miami-Dade County, Florida. It is bounded by SW 344 Street, SW 163 Avenue, SW 346 Lane, SW 162 Avenue, SW 350 Terrace and Valencia Gardens Drive (SE 13 Avenue). The development is located within Zip Code 33035. Refer to Exhibit 1.

#### 1) Infrastructure Ownership

#### a) Roads

Shoma Homes at Keys Gate, Inc. granted an easement to Keys Cove Community Development District (the "District", or "CDD") for the District to construct, own and maintain roadways, which include the onsite stormwater drainage system, the public parking, sidewalks, curbs, planters and landscaping, all located within the granted easement area (the "Roadway Easement"). The Roadway Easement was recorded at ORB 23148, PG 4183 of the public records of Miami-Dade County. The extent of the easement area is depicted in Exhibit 1.

# b) Stormwater Management System

Shoma Homes at Keys Gate, Inc. granted an easement to the District for the District to construct, own and maintain two lakes and related stormwater management facilities (the "Lakes Easement"). The Lakes Easement was recorded at ORB 23148, PG 4170 of the public records of Miami-Dade County. The location of the easement area is depicted in Exhibit 1.

#### c) Water Distribution System

The system has been conveyed to the City of Homestead for ownership and maintenance.



# d) <u>Sanitary Sewer System</u>

The system has been conveyed to the City of Homestead for ownership and maintenance.

#### e) Security System

Starting in May of 2017, the District installed and completed a security system within the District boundaries. The system consisted of cameras, network recorders, antennas, cables, conduits, computer hardware, software, support and appurtenant equipment. The security system is described in more detail in the agreement between the District and Regions Security Services, Inc. dated May 5, 2017. Most of the security system is located within the Roadway Easement, with portions located in adjacent land belonging to the Association. The District entered into a "Revocable License Agreement" with the Association on September 20, 2017 for installing those portions.

#### f) Lake Fountains

The District installed, and owns, two lake fountains. They are described in more detail in the installation agreement between the District and DeAngelo Brothers, LLC dated June 29, 2015.

# 2) State, Working Order and Condition of the Infrastructure Currently Owned by the District

Alvarez Engineers, Inc. conducted a field inspection to determine the current state, working order and condition of the infrastructure owned by the District and reports the following regarding the CDD Roads and drainage system:

# a) Roads

The roads inside the District are in fair to poor conditions. Pavement of CDD Roads are damaged from wear and ponding due to poor grading and surface drainage. Pavement will need to be repaired at several locations including near inlets, intersections, entrance, and along the roads. Repairs may include overbuild to correct the grading. The public parking spaces, sidewalks, curbs, planters and landscaping within the CDD roadway easements are in good working order and condition.

# b) Stormwater Management System

The water portions of the lakes are well maintained and in good working order and condition.

Erosion is visible in the banks of the North and South lakes. A contract with Landshore Enterprises, LLC has been approved by the CDD Board of Supervisors to begin repairs on the North lake.

The CDD has entered into a contract with Raptor-Vac Systems to service the storm drain system where sedimentation has been observed.



#### c) Water and Sewer Systems

The water and sewer systems are in good working order and condition, the District Engineer is not aware of complaints. Issues may be reported to the City of Homestead at telephone number: 305-224-4770.

# g) <u>Security Sy</u>stem

The security system appears to be working well. The District Engineer has not received complaints and is not aware of any issues.

#### h) Lake Fountains

The lake fountains are functioning well. The District Engineer has not received complaints and is not aware of any issues.

# 3) Estimated Maintenance Costs for District-Owned Infrastructure

On September 20, 2017, the District entered into a maintenance agreement with the Association (the "2017 Maintenance Agreement") under which the Association agrees to maintain the CDD roads, stormwater management system, security system and lake fountains, as well as, funding the electrical power consumption of the security system and lake fountains. On August 26, 2020 the CDD Board of Supervisors approved the first amendment to the 2017 Maintenance Agreement (the "2020 Amended Maintenance Agreement") by which maintenance of the storm pipes and exfiltration systems were removed from Association's responsibility, and the extent of the roadways maintenance responsibility was further clarified. Refer to the agreement in District's records for complete details.

# a) District Budget

The proposed CDD 2022-2023 Fiscal Year budget has the following amounts for maintenance expenditures:

2022-2023 Proposed Budget for Maintenance						
Maintenance Contingency	\$28,830					
Storm Drainge Maintenance	\$20,520					
Roadway Resurfacing Project	\$35,715					
Maintenance Reserve	\$25,000					
Fountain Maintenance	\$10,000					
Holiday Lighting Contribution	\$2,500					
Engineering/Inspections	\$7,500					
North Lake Erosion Project	\$368,651					
Total	\$498,716					

For more detailed information regarding the proposed 2022-2023 Fiscal Year Budget please visit the District's website at the following link:



# http://keyscovecdd.org/financials/

Alvarez Engineers finds the District's proposed maintenance budget for Fiscal Year 2022-2023 adequate, and recommends considering the following suggestions for future budgets:

#### b) Estimated Future Expenditures for District Roads

It is proposed to create a fund for the future milling and resurfacing of the roadway asphalt layer in approximately 12 years, when the asphalt reached its estimated 30-year service life. However, based on this year's inspection of the roads, it is recommended to make repairs at the inlets, entrance, and other places as mentioned in Section 2 above. In addition, funds will be needed to update signs and markings on the roadways when the asphalt is replaced and subsequently every 10 years. The District Board of Supervisors may decide whether to continue with the sinking fund to finance the future capital expense over the next 12 years or to pay the lump sum amount at the end of the asphalt service life. The tables below provide the estimated future replacement costs and the estimated annual contributions over the remaining service life to fund the expenses. The calculations below assume an annual interest rate of 0.25%.

(30 Y	it Service ife Years nated)	Present Year	Remaining Service Life (Yrs)	Present Year Cost (PC) of Pavement Replacement (Mill unit price \$2 and Resurface 3/4" Thick unit price \$6)		Future Replacement Cost @ End of Service Life*	Annual Interest Rate	Annuity to Finance (FC) in (n) Years given (i)	
From	То		(n)	Quantity Unit Cost (SY) (\$\sqrt{SY}\) (Post		(PC)	(FC)	(i)	FCi/((1+i)^n-1)
2004	2034	2022	12	50,990 \$8.00 \$40		\$407,920	\$575,167	0.25%	\$47,275
* Using F	lorida De <sub>l</sub>	partment o	of Transporta	tion Inflatio					

Service (10 Y	Marking te Life Years nated)	Present Year	Remaining Service Life (Yrs)	Present Yea	Present Year Cost (PC) of Signs & Marking		Future Replacement Cost @ End of Service Life*	Annual Interest Rate	Annuity to Finance (FC) in (n) Years given (i)
From	То		(n)	Quantity Unit Cost (SY) (\$/SY)		(PC)	(FC)	(i)	FCi/((1+i)^n-1)
2022	2034	2022	12	50,990	\$1.00	\$50,990	\$71,896	0.25%	\$5,909
* Using F	lorida Dej	partment o	of Transporta	tion Inflatio					

# c) Stormwater Drainage System

The following is a suggested 5-year cyclical program for servicing the inlets, manholes, pipes and French drains of the drainage system. The program consists of servicing 20% of the system every year so that at the end of the fifth year, 100% of the system will have been serviced. The table below shows the estimated amount that would need to be budgeted yearly to service the 118 drainage structures and 10,555 Linear Feet of pipes in



the District. The program may be financed yearly or in one lump sum when needed, at the discretion of the Board of Supervisors.

Total No. Structures in CDD  Total LF Pipes	Total I E	No. Structures with Pipes Serviced per Year					Cost/EA Structure	Cost/LF Pipe (Includes Cleaning,	Total Budget
		Year 1	Year 2	Year 3	Year 4	Year 5	(Includes Cleaning, and Baffle Replacement)	Video, Dewatering, and Root Removal)	Amount Per Year
118	10555	24					\$225.00	\$6.50	\$19,200
			24				\$230.00	\$6.70	\$19,700
				24			\$235.00	\$6.90	\$20,300
					24		\$240.00	\$7.10	\$20,800
						24	\$245.00	\$7.30	\$21,300

#### d) Water and Sewer Systems

The water and sewer systems are maintained, operated and funded by the City of Homestead, which may be contacted at telephone number: 305-224-4770.

#### 4) Insurance

Alvarez Engineers has reviewed the District's general liability, property, inland marine, hired non-owned auto, employment practices liability, public officials' liability and deadly weapon protection coverage insurance policy proposed by Florida Insurance Alliance under Agreement No. 100121043 for the period between October 1, 2021 and October 1, 2022. The District has budgeted enough funds to cover the \$6,925 proposed insurance premium.

This report was prepared to the best of my knowledge and belief and is based on field observations conducted by Alvarez Engineers personnel, the District Engineer's Report and public documents available.

If you have any questions, please do not hesitate to contact me at 305-640-1345 or at Juan. Alvarez@Alvarezeng.com.

Sincerely,

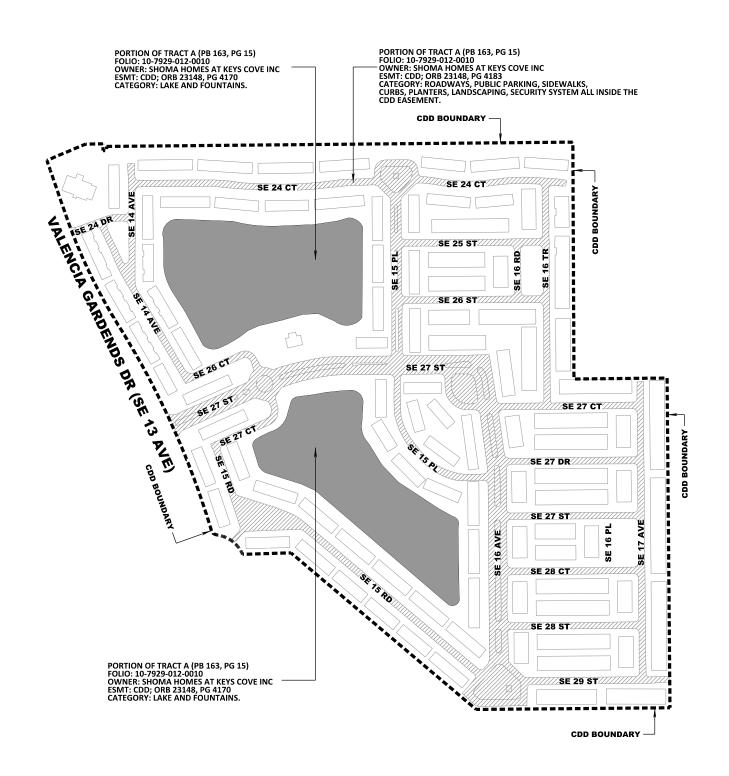
Alvarez Engineers, Inc.

Juan R. Alvarez, PE District Engineer Date: May 27, 2022



This item has been digitally signed and sealed by Juan R. Alvarez, PE on May 27, 2022.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



LEGEND: ESMT: EASEMENT ORB: OFFICIAL RECORD BOOK PB: PLAT BOOK PG: PAGE

# **ALVAREZ ENGINEERS, INC.**

**KEYS COVE CDD** 

**CDD LAND OWNERSHIP AND EASEMENTS** 

