

McGee & Associates
Landscape Architecture

Project: LELY GOLF ESTATES BEAUTIFICATION, M.S.T.U. **Landscape Architect Observation Report:** November 2020
Location: MSTU DISTRICT ROADWAYS
Project Manager: Dan Schumacher, Collier County Public Services Division, Public Transportation & Neighborhood Enhancements Department
Consultant: McGee & Associates **Consultant's Representative:** Michael A. McGee, rla, isa
Contractor: Superb Maintenance **Contractor's Representative:** Robert Kindelan, Gary Gorden
Report Date: FY20-21, 11/5/2020 **Observation Date:** 11/5/2020 **Report No.** 2 (FY21)

AC - Indicates major or repeating items recommended to be discussed by the Advisory Committee
S - Indicates items to be addressed by staff. **C** - Indicates items to be addressed by Contractor
Contractor is requested to address items as soon as possible and indicate in **RESPONSE/COMMENTS** column when and which items are corrected.
Note: Copy picture out of comment boxes and then paste to additional sheet if picture is desired in larger size.

LOCATION/WORK AREA	AC	S	C	R	OBSERVATION & RECOMMENDATIONS	ADDITIONAL COMMENTS
<u>All locations</u>		X	X		Palm trees need seed stalks removed.	Strikethrough indicates items that have been addressed or being addresses and will be removed from the next month's report. Yellow highlighting indicates items that need to be addressed as soon as possible for safety issues or potential plant damage.
<u>St. Andrews Blvd. & US 41</u> <u>In bound R/W South</u>						
		X	X	6	Review spider lily plants adjacent to Screw Pine tree for missing and poor performance.	M&A 9/1/20 Remove remaining existing Spider lilies and plant area with (6) 3 gal. size yellow African Iris.
<u>Out bound R/W North</u> <u>Suncoast Credit Union side of sidewalk</u>					No major issues observed.	
<u>St. Andrews Blvd.</u> <u>Median #1</u>					No major issues observed.	
	X	X			(5) Washingtonia palms remain in the median for possible removal.	Deferred into October
<u>Median #2</u>					No major issues observed.	
<u>Median #3</u>	X	X			(2) Washingtonia palms @ address 105 remain in the median for possible removal.	Deferred into October
		X	X	5	Second Queen's Crape Myrtle tree from the west end of median has damaged main trunk and needs to be replaced. (photo)	
	X	X	X	18	At address 105: Expand the Plumbago bed 8 ft. both eastward and 12 ft. westward to add (12-14) Plumbago 3 gal. (9) plants to the west & (5) plants to the east (6) on east end and (8) on west end. Will require (4) additional spray sprinkler heads and (3) bubblers locations with (2) adjustable flood bubblers per tree.	Committee Approved: Yes, 5/16/19. 7/6/20 M&A Recommend doing installation of Plumbago shrubs. Two turf areas will also need to be removed. 9/30/20 M&A: Turf areas removed bed prepared for planting shrubs.
<u>Median #4</u>		X	X	2	On west end: Recommend adding (15) 1 gal. Perennial Peanut 'Golden Glory' where existing peanut is missing.	
<u>Median #5</u>		X	X		At address 167: One Foxtail palm on east end is in decline. Suspect Ganoderma, but no visible signs other than decline and dead fronds. Additional palm Special fertilizer would be recommended.	
	X	X	X	4	At address 152: Remove Ilex tree between Queen's Crape Myrtle trees by flush cutting.	
<u>Median #6</u>					No major issues observed.	



Design * Environmental Management * Planning * Arborist

5079 Tamiami Trail East / P. O. Box 8052 Naples, Florida 34101
Phone (239) 417-0707 * Fax (239) 417-0708
LC 098 * FL 1023A

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	X	X			(2) Washingtonia palms @ address 249 remain in the median for possible removal.	Deferred into October
Median #7		X	X		Second Foxtail palm from west end: Foxtail palm is in decline. Suspect Ganoderma, but no visible signs other than decline and dead fronds. Additional palm Special fertilizer would be recommended.	
Median #8					No major landscape issues observed. Lift station replacement project is underway.	
Median #8A					No major issues observed.	
Median #9					No major issues observed.	
	X	X			(3) Washingtonia palms remain in the median for possible removal.	Deferred into October
Median #10					No major issues observed.	
Forrest Hills Blvd Median #11					No major issues observed.	
	X	X			(3) Washingtonia palms @ address 556 remain in the median for possible removal.	Deferred into October
Median #12					No major issues observed.	
	X	X			(3) Washingtonia palms @ address 407 remain in the median for possible removal.	
Forest Hills Cart Crossing & Lake	X	X	X	8	Perennial peanut planting is not actively growing. Contractor needs to review and provide count for replanting.	M&A 7/6/20 Recommend not replanting northeast and southeast areas. Southwest and northwest areas should have turf added to reduce beds to a point 3-4 foot off existing Xanadu plants.
Valley Stream Cr. Median #13		X	X		Dry turf area with chinch bug activity observed on southeast end.	
Pebble Beach Blvd. Median #14					No major issues observed.	
Median #15					No major landscape issues observed. Roadway stormwater piping replacement has removed 90% of perennial peanut on north end. (55) 1 gal. perennial peanut 'Golden Glory' in 5 rows. One center row and two outside rows evenly spaced between rows and back of curbing.	
Median #16					No major landscape issues observed. Roadway stormwater piping replacement has removed all Juniper on south end. Recommend replacement with Perennial peanut plants. (62) 1 gal. perennial peanut 'Golden Glory' in 5 rows. One center row and two outside rows evenly spaced between rows and back of curbing.	
	X	X	X	19	At address 64: Recommend installing (3) Adonidia (Christmas palm) double Alexander palms, Add (1) to south side of light pole #8 and (2) to north side of light pole #8. Field grown B & B with double 10 ft. clear trunks. Align trunks with median. Will require (3) bubblers locations with (2) adjustable flood bubblers per tree.	Committee Approved: Yes, 5/16/19
Median #17					No major issues observed.	
Median #18	X	X	X	34	At address 164: (1) Washingtonia removed.	Option 1: Consider removal of all remaining Washingtonia palms and replant with smaller palms (i.e. Foxtail, Alexander, Christmas palms) M&A: 6/12/18 hole filled and ready for replacement planting. M&A 5/7/19: Add (1) Adonidia double Alexander palm in removed Washingtonia palm location. Remove the middle one of the south three existing Washingtonia palms to include stump and plant

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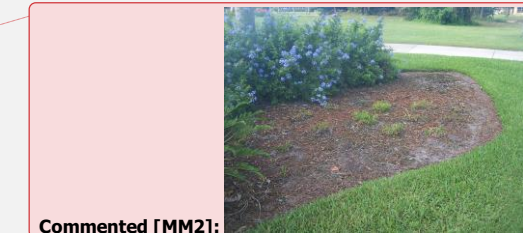
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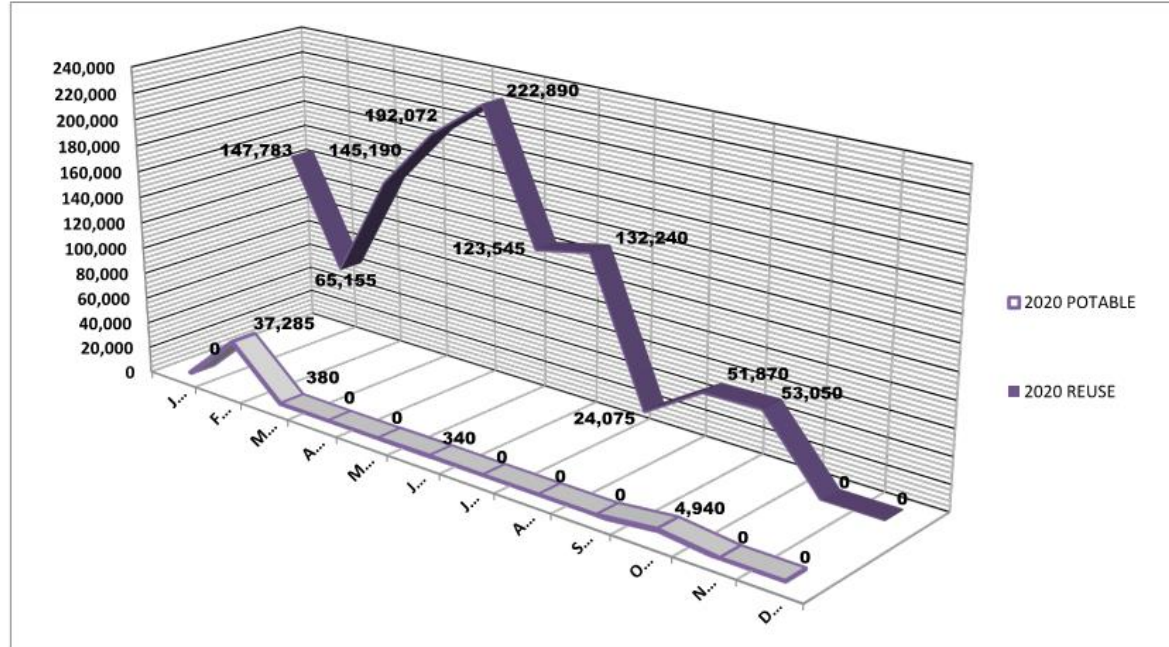
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						Alexander palm. Field grown B & B with double 10 ft. clear trunks. Align trunks with median. Will require (4) (2) bubblers locations with (2) adjustable flood bubblers per tree. Committee Approved: Yes, 5/16/19 M&A 9/1/20: (4) Washingtonia palms @ address 167 remain in the median for possible removal. Includes one above. Deferred into October
Median #19					No major issues observed.	
Pebble Beach Blvd. Golf Cart Crossing		X	X	18	Southeast corner: Existing Spider lily plants are in decline. It appears to be fungus or herbicide related. (10 +/-) plants are missing and/or dead. (photo)	
Thorncrest Ln. cul-de-sac #20					No major issues observed.	
Briarcliff Ln. Cu-de-sac #21					No major issues observed.	
Heather Grove Ln. Cul-de-sac #22					No major issues observed.	
Baltusrol Signs					No major issues observed.	
Doral Cr. East R/W		X		12	The bridge wall on the roadside face along the east R/W has three locations where stone veneer is missing. (photo)	M&A: 3/3/20 two stones still missing on east wall
	X	X		23	Recommend large open joints between pavers and valley gutter have polymer sand applied to fill large gaps.	Committee Approved: Yes, 5/16/19. M&A 7/6/20: Contractor installed sand, but it has been washed away. Confirm polymer sand was used and if so, it is recommended to have the joints filled with cement mortar. 9/30/20 M&A: Recommend filling large joint opening that may catch a bike tire with high strength Type M cement mortar.
West R/W & Rattlesnake Hammock Rd.		X	X	4	3 rd Foxtail palm from Doral Cr.; Recommend application of Tec-Mag and installation of palm fertilizer spikes around palm.	
	X	X	X	23	Recommend large open joints between pavers and valley gutter have polymer sand applied to fill large gaps.	Committee Approved: Yes, 5/16/19. M&A 7/6/20: Contractor installed sand, but it has been washed away. Confirm polymer sand was used and if so, it is recommended to have the joints filled with cement mortar. 9/30/20 M&A: Recommend filling large joint opening that may catch a bike tire with high strength Type M cement mortar.
Median #23					No major issues observed.	
Median #24 Treasure Point Cul-de-sac					No major issues observed.	
Warren St. Pumping Station					No major issues observed.	
Valley Stream Cr. Irrigation					Meter readings indicate no water flow from 9/25/20 thru 11/2/20.	
Fertilization		X	X		Next major fertilization is due in October. See annual schedule.	



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Lely Golf Estates Beautification MSTU Reuse Mixing Chamber Annual Water Use thru 10/20



Notes: 2014 Total Water Use: Reuse-2,336,976 gallons, Potable- 0
 2015 Total Water Use: Reuse - 1,795,449 gallons, Potable - 8,602 gallons
 09/2016 Potable water meter readings not complete. 11/9/16 Meter cleaned and readable
 2016 Total Water Use: Reuse 936,041 gallons, Potable 7,788 gallons.
 2017 Total Water Use: Potable water amounts amended to corrected totals. Reuse 594,189 gal., Potable 981,815 gal.
 2018 Total Water Use: Reuse 1,965,840 gallons, Potable 270,200 gallons
 2019 Total Water Use: Reuse 1,618,748 gallons, Potable 27,680 gallons

11/5/2020

DATE	REUSE PSI	POTABLE WATER METER READING (X 100)	POTABLE WATER USE GALLONS	REUSE WATER METER READING (X x 100)	REUSE WATER USE GALLONS	PUMP STATION METER READING (X100)	TOTAL WATER PUMPED	TOTAL WATER APPLIED
9/30/2020	80	28,521.00		9,186.30		148,941.54		-
10/12/2020	0	28,568.60	4,760.00	9,293.20	10,690.00	149,097.45	15,591.00	15,450.00
10/20/2020	80	28,570.40	180.00	9,451.12	15,792.00	149,237.06	29,552.00	15,972.00
11/2/2020	85	28,570.40	-	9,716.80	26,568.00	149,492.42	39,497.00	26,568.00
		TOTALS:		4,940.00	53,050.00		84,640.00	57,990.00
		PERCENTAGE OF TOTAL VOLUME USED		8.5%	91.5%		100.0%	
2/20/20 Broken main line and new metter installed. Count started at zero.								

DATE	POTABLE WATER METER READING (X 1)	POTABLE WATER USE GALLONS
9/30/2020	139550.04	
10/12/2020	139550.04	0
10/20/2020	139550.02	0
11/2/2020	139550.02	0
TOTALS:		0