

McGee & Associates

Landscape Architecture

Project: GOLDEN GATE BEAUTIFICATION, M.S.T.U. **Location:** Collier Blvd. Part A & B
Project Manager: Collier County Public Services Division, Public Transportation & Neighborhood Enhancements Department.
Consultant: McGee & Associates **Consultant's Representative:** Michael A. McGee, rla, isa
Contractor: Hannula Landscaping & Irrigation Inc. **Contractor's Representative:** Dale Hannula
Report Period: FY 17-18, December 2017 **Report No.:** One

AC - Indicates major items recommended to be discussed by Advisory Committee, **S** - Indicates items recommended to be addressed by staff, **C** - Indicates items recommended to be addressed by Contractor

This report is prepared strictly to provide recommendations only and in no manner is to imply any authorization to the Contractor or its Sub-Contractors to perform services for Collier County.

Contractor is requested to address items as soon as possible and indicate in **RESPONSE/COMMENTS** column when and which items are corrected.

Please return electronic copy to our office prior to next month's MSTU site review and meeting.

Note: Copy picture out of comment boxes and then paste to additional sheet if picture is desired in larger size.

<u>LOCATION/WORK AREA</u>	<u>AC</u>	<u>S</u>	<u>C</u>	<u>R</u>	<u>MAINTENANCE SERVICES OBSERVATIONS & RECOMMENDATIONS</u>	<u>RESPONSE or COMMENTS</u>
Observation dates: 12/07-11/17					MONTHLY ADDRESSED	
Median# 66, 67 & 68	X	X			It is recommended, post hurricane Irma that a complete renovation review take place to fully access the existing condition of the plants and to provide a plan for renovation to occur.	
			X	8	Magnolia trees need to have the dead branches removed and then the trees need to have an organic soil top dress added around the root zone (2 to 3-inch depth) and additional 12-4-8 fertilizer applied at a rate of 1 pound of fertilizer per inch of trunk caliper.	M&A: Post hurricane Irma remaining Magnolia trees should be reviewed for removal or treatment as listed.
Median# 66 - 74			X		Planting beds could use top dressing of mulch.	M&A: 5/10/16 Bare ground is present along perimeter of many planting beds.
Part "A" - West R/W Sign Area			X	38	Tabebuia tree has been downed by hurricane Irma. Debris still exist in addition to a pile of debris just south of this tree's location.	
Median #66 (M.P. #3)		X	X		(3) Magnolia trees have been removed by hurricane. Remove and replace.	M&A: 12/11/17 Consider replacement with alternative tree such as Crape myrtle.
					(1) Sabal palm has been damaged. Remove and replace.	
					(1) Oak have major main trunk damage and should be removed and replaced.	
			X	32	Recommend removing Thryallis shrubs and install Sand Cordgrass.	M&A: 12/11/17 Post Irma storm has created worst conditions and renovation is recommended.
Median #67 (M.P. #4)		X	X		(3) Oak trees have been damaged. Remove and replace. (1) Oak which is still standing has major main trunk damage and needs to be removed.	
					(1) Sabal palm damaged. Remove and replace.	
					(7) Magnolia trees have been damaged. Remove and replace.	M&A: 12/11/17 Consider replacement with alternative tree such as Crape myrtle.

Design * Environmental Management * Planning * Arborist

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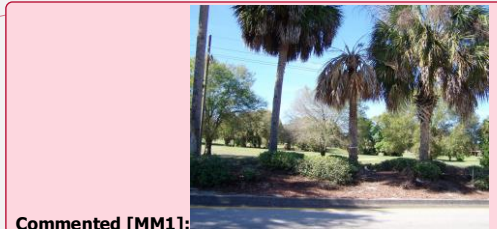
GOLDEN GATE BEAUTIFICATION, M.S.T.U.

Location: Collier Blvd. A & B

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LOCATION/WORK AREA	AC	S	C	R	MAINTENANCE SERVICES OBSERVATIONS & RECOMMENDATIONS	RESPONSE or COMMENTS
					(2) Maple trees have been damaged. Remove and replace.	M&A: 12/11/17 Consider replacement with alternative tree such as Crape myrtle.
		X	X		Multiple Juniper plants on the north median end are missing.	
		X	X	34	Recommend removing two remaining beds of Red Fountain grass and replant areas with Silver Saw palmetto's.	
Median #68 (M.P. #5)		X	X		Multiple Juniper plants on the south median end are missing.	
		X	X		(3) Oak trees damaged. Remove and replace.	
		X	X		(3) Magnolia trees damaged. Remove and replace.	M&A: 12/11/17 Consider replacement with alternative tree such as Crape myrtle.
		X	X	7	Dead Sabal needs to be removed. (photo)	M&A: 2/14/17 Tree removed and location staked.
		X	X	9	Remove existing stump of removed tree located on north south side of first Sabal palm group. (photo)	M&A: 2/14/17 Tree removed and location staked.
		X	X	14	North end east side auto accident in Big Rose Crown of thorn (10-15) damaged	
		X	X	18	Review Big Rose crown of thorn on north end for snail activity and/or auto damage.	
		X	X	37	Prune back the deadwood within the Magnolia at the northernmost end. (photo)	M&A: Review Magnolia tree appears to be declined enough for removal. M&A: 10/7/16 Tree cut down. M&A: 11-5-16 Tree stump needs to be removed and replacement considered. M&A: 2/14/17 Tree removed and location staked. M&A: 12/11/17 Consider replacement with alternative tree such as Crape myrtle.
Median #69 (M.P. #6) – Paved separator						
Part "B" - Median# 70 - 74		X	X		It is recommended, post hurricane Irma that a complete renovation review take place to fully access the existing condition of the plants and to provide a plan for renovation to occur.	
Median #70 (M.P. #7)		X	X		At address 11655: (1) Tabebuia trees needs to be reset.	
		X	X		Understory plantings need to be reviewed for replacements. On south end Flax lily and Plumbago shrubs could be removed and the areas replanted with yellow African iris.	
		X	X		Planting beds could use mulch. Bare ground is present along perimeter of many planting beds.	
			X	38	Juniper bed on south end of median contains dead plants and brown foliage. Remove both and provide count for replacements.	
Median #71 (M.P. #8)		X	X		At address 11845: Add (2) Crape myrtles.	
		X	X		Understory plantings need to be reviewed for replacements. Flax lily, Plumbago and Thryallis shrubs could be removed and the areas replanted with yellow African iris.	
		X	X	39	Juniper bed on south end of median contains dead plants and brown foliage. Remove both and provide count for replacements.	
		X	X	42	Plant replacements are needed in multiple areas.	Hannula 12/20/13: An estimate cannot be submitted without



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LOCATION/WORK AREA	AC	S	C	R	MAINTENANCE SERVICES OBSERVATIONS & RECOMMENDATIONS	RESPONSE or COMMENTS
						knowing the recommended species for replacement and a plant count. M&A 1-15-14: Please call our office to schedule an on-site meeting to review median.
Median #72 (M.P. #9)		X	X		Understory plantings need to be reviewed for replacements. Flax lily, Plumbago and Thryallis shrubs could be removed and the areas replanted with yellow African iris.	
		X	X		At address 12025: (2) Oak trees damaged. Remove and replace. (1) Tabebuia trees needs to be reset. (1) Tabebuia tree damaged. Remove and replace.	M&A: 12/11/17 Consider replacement with alternative tree such as Crape myrtle.
					At address 12045: (1) Tabebuia tree damaged. Remove and replace.	M&A: 12/11/17 Consider replacement with alternative tree such as Crape myrtle.
		X	X	48	Review Juniper on north and south end for replacements due to auto damaged.	Hannula 12/20/13: Plant count is needed by next drive through
Median #73 (M.P. #10)		X	X		At address 12135: (1) Oak tree damaged. Remove and replace.	
					At address 12125: (1) Oak trees damaged. Remove and replace.	
		X	X	43	Review south end Juniper bed for replacements.	
		X	X	42	Turf areas need to be reviewed for dead areas that need to be replaced.	Provide proposal with square footages per median.
Median #74 (M.P. #11)		X	X		At address 12225: (1) Oak tree damaged. Remove and replace.	
					At address 12215: (2) Oak tree damaged. Remove and replace.	
					(1) sabal palm damaged. Remove and replace.	
		X	X	13	On north end one of two Slash pines is declining and removal is recommended.	M&A: Recommend replacement with Floss Silk tree. M&A: 12/11/17 One tree damaged and needs to be removed. The other tree remains, but should be removed.
		X	X	15	Median turf areas have dead spots from previous water stressed.	
		X	X	38	Remove dead Indian hawthorn plants and replace. (8) 3 gal. size.	
		X	X	42	Turf areas need to be reviewed for dead areas that need to be replaced.	Provide proposal with square footages per median.
West R/W		X	X	17	Tree branches are below ten feet over sidewalks.	
Irrigation:		X	X		Water use shown in chart is the averages from August through November based upon meter readings.	
Part A Pump Station- Median #4, 5 hp , 6" well, VFD, Motorola Scorpio controller S3406, Electric meter on west R/W at pump station						
Part B Pump Station-Median #11, 7.5 hp , 6" well, VFD, Motorola Scorpio controller S3405 & S3408, Electric Meter West R/W adjacent to Median #9 Address #12225						
QUARTERLY ADDRESSED						
Part "A" - West R/W Sign Area						
Part "A" Medians #66 thru 68		X	X	42	These medians need to have renovation plantings. The future roadway construction appears to be more than 10 years out.	Hannula 12/20/13: An estimate cannot be submitted without knowing the recommended species for replacement and a plant count, Area(s) must be white lined during drive-through upon acceptance of estimate. M&A 1-15-14: Please

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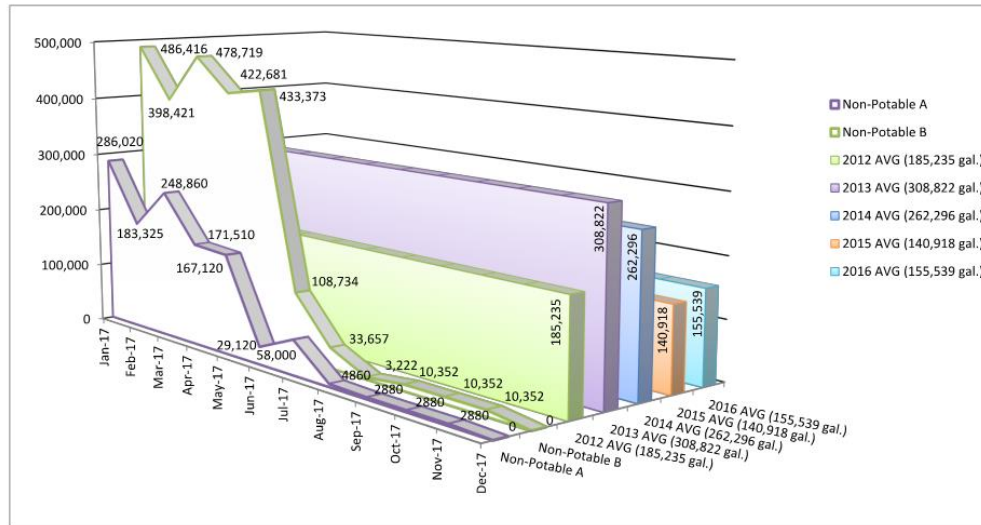
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						call our office to schedule an on-site meeting to review medians.
Part "B" - West R/W Areas						
Part "B" Medians #70 thru 74			X	22	Multiple medians and multiple beds need plant replacements.	

GG MSTU Collier Blvd. Part A & B, Well Annual Water Use for 2017
(Meter Data not Accurate due to Meters Malfunctioning)



Water Use Goal:

(Original Part A = 1.63 ac. of plants, Part B = 2.74 ac. of plants and turf, Revised Part B = 1.86, New Total Irrigated Area = 3.49 ac.)
 Recommended: Supplemental watering rate of .5 to .75 inch per week.
 Three-quarter inch per week equals 71,076 gallons per week or 284,305 gallons per month.
 Combined 2012 total water use: 2,222,816 gallons or 18.73 inches of supplemental water pumped.
 Combined 2013 total water use: 3,705,865 gallons or 31.23 inches of supplemental water pumped.
 2014 Part B well & pump station relocated on 7/24/14. New well active 09/2014
 Combined 2014 total water use: 3,147,554 gallons or 26.26 inches of supplemental water pumped.
 Combined 2015 total water use: 1,691,015 gallons or 5.95 inches of supplemental water pumped, data not fully accurate, meter malfunctions A & B
 Combined 2016 total water use: 1,866,471 gallons or 26.26 95 inches of supplemental water pumped, data not fully accurate, meter malfunctions A & B
 2017: Hurricane Irma delayed readings from 09/17 to 12/17, readings are average over 3 months.

8/6/17-12/1/17