

# *McGee & Associates*

## Landscape Architecture

**Project:** GOLDEN GATE BEAUTIFICATION, M.S.T.U.  
**Project Manager:** Leslie Hayes, MSTU Project Manager, C.C.P.S.D. – P.T.N.E. Dept.  
**Consultant:** McGee & Associates  
**Contractor:** Hannula Landscaping & Irrigation Inc.  
**Report Period:** FY 14-15 September 2015

**Location:** Tropicana Blvd.  
**Consultant's Representative:** Michael A. McGee, rla, isa  
**Contractor's Representative:** Dale Hannula  
**Report No.:** Twelve– FY14-15

**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 items are addressed. 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>S</u>	<u>C</u>	<u>R</u>	<u>MAINTENANCE SERVICES OBSERVATIONS &amp; RECOMMENDATIONS</u>	<u>RESPONSE or COMMENTS</u>
Observation date: 09/14-19/15				<u>MONTHLY ADDRESSED</u>	Please provide responses as completed, ongoing or proposal submitted & any notation deemed important. Contractor's recent responses are highlighted.
<b>Median 1, 2, 3, 4 &amp; 5</b>		X	2	Review large canopy trees for branches overhanging less than the 15 foot height required over the travel lane.	
		X		Schedule annual Sabal palm pruning to remove lower fronds and seed stalks.	
<b>Median 2, 4 &amp; 5</b>		X	4	The narrow turf areas and specifically the ends of the narrow turf areas have grass that is thinning and declining. These narrow turf locations are where the large mowers travel over the same tracks with each mowing. The weakest points are on the ends where the mowers make a turning motion. These turf locations are showing signs of soil compaction which results in the root system decline of the turf. It is recommended to aerate all the turf areas and change the type of mowers being used to reduce any further compaction.	It is recommended the contractor provide a proposal to aerate these turf locations and then apply an additional application of Ferromec AC15-0-0 plus 6% iron & 3% sulfur @ 1.5 gal. per 100 gal. of water. Once aerated the turf areas should be reviewed for any turf replacement prior to applying the iron. M&A: 8/13/15 Advisory committee discussion resulted in requesting the contractor to provide quote for do one median. Our recommended median would be #5.
<b>Median #1</b>		X		Recommend in conjunction with October granular fertilization that an additional Ferromec AC15-0-0 plus 6% iron & 3% sulfur @ 1.5 gal. per 100 gal. of water be applied to the dwarf Bougainvillea shrubs only.	
<b>Median #2</b>					
<b>Pedestrian shelter at 31<sup>st</sup> Ave. SW</b>					
<b>Median #3 Bridge</b>		X		Review dwarf Fakahatchee grass beds for dead or missing plants.	
		X	2	Foxtail weeds are present in the dwarf Fakahatchee grass.	
<b>Median #4</b>		X		At address 2930: Review dwarf Fakahatchee grass beds for dead or missing plants. (3)	

**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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Landscape Architecture

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

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<u>LOCATION/WORK AREA</u>	<u>S</u>	<u>C</u>	<u>R</u>	<u>MAINTENANCE SERVICES OBSERVATIONS &amp; RECOMMENDATIONS</u>	<u>RESPONSE or COMMENTS</u>
				observed.	
		X		At address 2896: Deadwood Orchid tree.	
		X	2	There exist multiple small areas of turf that have declined and thinned to the point that replacement is recommended. The decline would be due to previous water stress from sprinkler issues, chinch bug insects, and/or broadleaf weed control that removed the weeds. Also broadleaf weed control is needed.	
		X	2	At address 2860 thru 2836: Bermuda grass in has invades the St. Augustine turf on the east side of the median.	
		X	3	At address 2976 turf grass contains unacceptable amount of weeds.	
		X	3	At address 2900: Thryallis shrub beds has 10 to 12 dead, declining or missing plants.	M&A: 07-14-15 The Thryallis shrubs are not performing well as the tree canopy begins to develop over the plants and creates denser shade. It is recommended to consider renovating the beds from Thryallis shrubs to Variegated Arborcola. Provide proposal to remove existing shrubs and replant with 38 – 3 gal. Arborcola ‘Trinette’.
		X	6	At addresses 2836 thru 2824: An 8' x 20' turf area on east side of median has declined and needs to be renovated. Schedule replacement during rainy season.	M&A: 06/11/15 See recommendations above. M&A: 07-14-15 Broadleaf weeds are taking hold in the bad turf area.
		X	6	At addresses 2690 - 2672: The turf area between the Variegated Arborcola and dwarf Fakahatchee grass has declined and needs to be renovated. Schedule replacement during rainy season.	M&A: 07-14-15 Broadleaf weeds are taking hold in the bad turf area.
		X	17	At address 2884: <del>Two (4)</del> (6) 3 gal. Thryallis shrubs are missing and need to be replaced.	Estimate #15-0050 submitted on 11/13/14, M&A: 06/11/15 Please update status of this estimate. M&A: 07-14-15 The Thryallis shrubs are not performing well as the tree canopy begins to develop over the plants and creates denser shade. It is recommended to consider renovating the beds from Thryallis shrubs to Variegated Arborcola. Provide proposal to remove existing shrubs and replant with 38 – 3 gal. Arborcola ‘Trinette’.
		X	17	At address 2824: Seven 3 gal. Thryallis shrubs are missing and need to be replaced.	Estimate #15-0050 submitted on 11/13/14, M&A: 06/11/15 Please update status of this estimate. M&A: 07-14-15 The Thryallis shrubs are not performing well

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					as the tree canopy begins to develop over the plants and creates denser shade. It is recommended to consider renovating the beds from Thryallis shrubs to Variegated Arborcola. Provide proposal to remove existing shrubs and replant with 38 – 3 gal. Arborcola 'Trinette'.
		X	18	At address 3044: Bermuda grass in turf.	Spray Application on schedule
	X	X	38	At address 2841: Treat Bermuda grass in turf area on north end of Bougainvillea bed.	Hannula: 11-12-13 Completed, M&A: 11-12-13 Not completed. Hannula 1/7/14: Herbicide treatment scheduled for 1/21/14, M&A: A total kill of the turf/Bermuda in the area will be required to remove the Bermuda. Recommend waiting into rainy season to treat and resod.
	X	X	38	At address 2824: Treat Bermuda grass in turf area on north end of Thryallis bed.	Hannula: 11-12-13 Completed, M&A: 11-12-13 Not completed. Hannula 1/7/14: Herbicide treatment scheduled for 1/21/14 Spray Application on schedule
<b>Pedestrian Shelter at 28<sup>th</sup> Ave. SW</b>					
<b>Median #5</b>		X	2	There exist multiple small areas of turf that have declined and thinned to the point that replacement is recommended. The decline would be due to previous water stress from sprinkler issues, chinch bug insects, and/or broadleaf weed control that removed the weeds. Also broadleaf weed control is needed.	
		X	3	At address 2733: Small dead turf area needs to be repaired.	
		X	3	At address 2697: There exist a 20' x 60' area of turf that is in heavy decline and needs to be repaired.	
<b>Median #6</b>		X	3	Remove and treat weeds in pavers	
				<u>QUARTERLY ADDRESSED</u>	
<b>Accent/Street Lighting</b>					
<b>East R/W between 13th Ave. &amp; PL. Lighting Disconnect &amp; Sensor</b>					
<b>West Alley off 28<sup>th</sup> Ave. SW Lighting Disconnect &amp; Sensor</b>					
<b>West R/W in Alley between G.G. Pkwy. &amp; 26<sup>th</sup> PL. SW, Lighting Disconnect &amp; Sensor</b>					
<b>West R/W at corner of 30<sup>th</sup> PL. SW &amp;</b>					

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

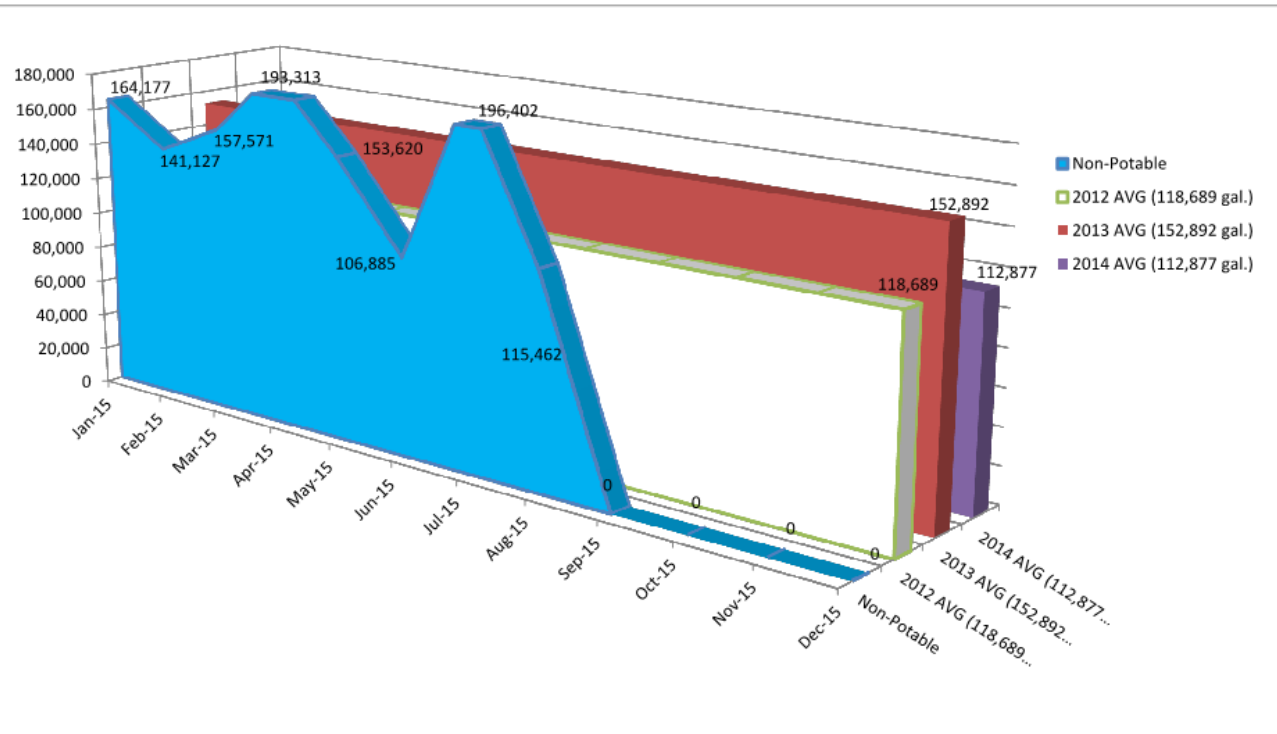
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LOCATION/WORK AREA	S	C	R	MAINTENANCE SERVICES OBSERVATIONS & RECOMMENDATIONS	RESPONSE or COMMENTS
Tropicana Lighting Disconnect & Sensor					
Pump Station Electric Meter in Alley west of pump station					
Fertilizations		X		Review fertilization schedule below for October requirements.	
Irrigation		X		The water use reading of 115,462 gallons use for the month of August would be considered high for the time of year. Please review the system rain shutoff sensor, system programming and the main line for possible leaks.	

**GG MSTU TROPICANA Blvd. Well Annual Water Use for 2015**



**Water Use Goal:**  
 (1.35 ac. of Plants & Turf)  
 Recommended: Supplemental watering rate of .75 to 1 inch per week. One inch per week equals 36,658 gallons per week or 146,633 gallons per month.  
 2012 total water use Jan. 2012 – Dec. 2012: 646,177 gallons or 17.63 inches of supplemental water pumped.  
 2013 total water use Jan. 2013 – Dec. 2013: 1,834,698 gallons or 50.04 inches of supplemental water pumped.  
 2014 total water use Jan. 2013 – Dec. 2014: 1,354,526 gallons or 36.95 inches of supplemental water pumped. 26% water use reduction

9/1/2015

GOLDEN GATE MSTU FY 14-15 RECOMMENDED FERTILIZATION SCHEDULE - TROPICANA BLVD.				
Plant Type	Turf / St. Augustine (32,714 S.F.)	Palm Trees	Shrubs & Grn. Covers Beds (16,671 S.F.)	Blooming Plants (12,474 S.F.)
Month				
Jan-15	15-0-15 for rotary spreader 6.5 lbs. per 1000 S.F. ( 4 - 50 lb. bags)		8-2-12-180 (Florikote Collier blend) 15 lb. per 1000 S.F. (5 - 50 lb.bags)	14-14-14-90 7 lbs. per 1000 S.F. (2 - 50 lb. bags)
Feb-15				20-20-20 2.5 lbs./25 gal. H2O per 1000 S.F. (31 lbs.)
Mar-15	15-0-15 for rotary spreader 6.5 lbs. per 1000 S.F. ( 4 - 50 lb. bags)			
Apr-15				14-14-14-90 7 lbs. per 1000 S.F. (2 - 50 lb. bags)
May-15	15-0-15 for rotary spreader 6.5 lbs. per 1000 S.F. ( 4 - 50 lb. bags)		8-2-12-180 (Florikote Collier blend) 15 lb. per 1000 S.F. (5 - 50 lb.bags)	
Jun-15				
Jul-15				
Aug-15	0-0-22 SPM 1 lb. per 100 S.F. ( 7 - 50 lb. bags)		0-0-22 SPM 1 lb. per 100 S.F. ( 3 - 50 lb. bags)	0-0-22 SPM 1 lb. per 100 S.F. ( 3 - 50 lb. bags)
Sep-15	Place request for October 2015		Place request for October 2014	Place request for October 2014
10/1/2014-2015	15-0-15 for rotary spreader 6.5 lbs. per 1000 S.F. ( 4 - 50 lb. bags)		8-2-12-180 (Florikote Collier blend) 15 lb. per 1000 S.F. (5 - 50 lb.bags)	14-14-14-90 7 lbs. per 1000 S.F. (2 - 50 lb. bags)
Nov-14				20-20-20 2.5 lbs./25 gal. H2O per 1000 S.F. (31 lbs.)
Dec-14	Optional 21-0-0 2.2 lbs. per 1000 S.F. (2 - 50 lb. bags)			
Optional- At maintenance Consultants direction. Blooming Plants - Bougainvillea, Thryallis, Plumbago				
Optional: Add to pest and/or disease control sprayings for shrubs and turf: Ferromec AC 15-0-0 plus 6% iron, 3% sulfur @ 1.5 gal./100 gal. H2O				