

McGee & Associates

Landscape Architecture

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

Location: Sunshine Blvd.

Project Manager: Collier County Public Services Division, Public Transportation & Neighborhood Enhancements Department

Consultant's Representative: Michael A. McGee, rla, isa

Consultant: McGee & Associates

Contractor's Representative: Dale Hannula

Contractor: Hannula Landscaping & Irrigation Inc.

Report No.: One

Report Period: FY 17-18, December 2017

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

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.

LOCATION/WORK AREA	AC	S	C	R	MAINTENANCE SERVICES OBSERVATIONS & RECOMMENDATIONS	RESPONSE or COMMENTS
Observation date: 12/07-11/17					MONTHLY ADDRESSED	Please provide responses as will review, ongoing, completed or proposal to be submitted. Once submitted provide proposal number and date and any notation deemed important.
All locations		X	X		Recommended all Sabal palms be pruned at this time and have any lower and/or loose frond boots removed from the trunks.	
		X	X		All beds could use two inch layer of mulch.	
Median #1			X		Review Plumbago shrubs for water stress and/or insects.	
			X	7	There exist considerable areas within the turf invested with weeds and/or dead spots.	
			X	19	On the north end about 60 L.F. of Juniper has been damaged. It appears to have been run over. Prune out damaged and dead foliage. (Photo)	
			X	32	Two Juniper plants have been damaged and need to be replaced with 3 gal. size.	
Median #2		X	X		At address 2052: Juniper runover. 4-5 plants damaged. Review to remove damaged or dead and provide count for replacements. 3 gal. size.	
		X	X		At address 2184 & 2160: Plumbago shrubs are in poor condition. Review for insects and/or water stress.	
			X		At address 2172: Remove damaged braces from Silk floss tree.	
	X	X			At address 2224: (1) Tabebuia 'Ipe' has lifted and needs to be reset. (1) Tabebuia 'Ipe' has been removed. Recommend replacement.	The Tabebuia if reset could use additional soil backfill around base to cover exposed root system.
	X	X			At address 2184: (1) Tabebuia 'Ipe' has lifted and needs to be reset.	
	X	X			At address 2160: (2) Tabebuia 'Ipe' have been removed.	Alternate tree type could be considered (e.g, Crape myrtle)
	X	X			At address 2112: (1) Golden Tabebuia damaged. Remove and replace.	
	X	X			At address 2112: (2) Tabebuia 'Ipe' damaged. Remove and replace.	Alternate tree type could be considered (e.g, Crape myrtle)
	X	X			At address 2101: (1) Golden Tabebuia damaged. Remove and replace.	

Commented [MM1]:



Design * Environmental Management * Planning * Arborist

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			X	8	Prune dead and/or brown foliage out of Juniper plants all locations	
			X	8	Address 2112: Replant (13) dwarf Bougainvillea 'Helen Johnson' 3 gal. size at location where water service repair occurred.	
			X	15	At address 2236: Dead turf area on east side of median apparently due to irrigation coverage issue. (5' x 40')	
			X	16	At address 2190- 2196: Dead turf area on east side of median apparently due to irrigation coverage issue.	
			X	18	At address 2224 & 2236: Dead turf area on east side of median apparently due to irrigation coverage issue.	M&A: 7/13/16 Proposals being solicited. M&A: 8/8/16 Replacements approved and installation being scheduled
			X	22	At addresses 2184 & 2160: Two Plumbago beds are water stressed. Recommend adding two sprinkler heads on risers and with rebar supports in the center of the beds. Sprinklers should have 4' by 15' center strip nozzles.	
			X	25	At address 20th Ct. SW: 3' x 30' turf area is in decline with dead areas. Review for replacement.	M&A: 9/17/15 It is indicated this turf area decline is due to grubs. Recommend to treat entire median for grubs and review all other turf areas.
			X	42	At address 2274: Replace auto accident damaged Juniper on south end of median.	M&A: Appears 3-3 gal. plants will be needed. M&A: 7/8/14 another accident has occurred in same location. Approx. 50 L.F. of Juniper damaged. Review and remove damaged and provide count for replacements. M&A: 11-11-15 Review area and provide count for replacement Juniper 3 gal. size. (photo)
Median #3 - Pump Station Location- 5 hp, 6" well, VFD		X	X		At address 1991: Reset Tabebuia 'Ipe'.	
		X	X		At address 1960: Oak tree needs structural and corrective pruning.	
	X	X	X		At address 1944: (2) Tabebuia 'Ipe' damaged. Remove and replace.	Alternate tree type could be considered (e.g, Crape myrtle)
			X		At address 1944: (1) Silk Floss tree has upper trunk damage. Structural and corrective pruning needed to regrow main leader.	
	X	X	X		At address 1945: (2) Tabebuia 'Ipe' damaged. Remove and replace.	Alternate tree type could be considered (e.g, Crape myrtle)
		X	X		At address 1936: Oak tree needs structural and corrective pruning.	
		X	X		At address 1900: Oak tree needs structural and corrective pruning.	
			X	2	Address 1991: Tabebuia tree staking has come apart and need to be removed or reset.	
			X	3	Address 1960 to 1944: Bougainvillea shrubs have been runover. Prune out damaged wood and provide count for replacements. (photo)	
			X	4	Prune dead and/or brown foliage out of Juniper plants all locations	

Commented [MAM2]:



Commented [MM3]:



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			X	17	There are multiple areas of turf that are dead and/or declining with bare spots.	
			X	26	At address 1900: 10' x 15' turf area is in decline with dead areas. Review for replacement.	
			X	35	Light pole accident on south end of median. Multiple Juniper have been run over and are damaged and broken. Prune out damaged foliage and branches and review in 30 days for replacements.	M&A: 12-12-14 Damaged plants have been removed. M&A: 11-11-15 Review Juniper for replacement count and submit estimate.
Median #4						
Median #5		X	X		Oak trees need structural and corrective pruning.	
			X	2	Prune Oak tree branches away from light poles.	
Median #6			X	8	Address 1750: Remove (3) declined dwarf Bougainvillea and replant (3) dwarf Bougainvillea 'Helen Johnson' 3 gal. size. Review existing soil and plant roots for any issues.	
			X	13	At address 1771: Cut surface circling root. Cut to remove or cut minimum 1-inch wide section out of the center of the root.	
			X	18	Previous light pole accident has left some dead and damaged Juniper plants. Provide count and replacement proposal. (5-6) 3 gal. size replacements.	
18th Place SW Median	X	X	X	13	Auto accident damaged 10-15 plants (photo) Recommend removing all the Bougainvillea and replant median with Perennial Peanut "Ecoturf" variety in 1 gal. 12" o.c., 36" offset from back of curbing. If all is not approved then recommend doing area of damaged Bougainvillea. In either case hand watering will be required so it should be included in the proposal.	
18th Ave. S.W. Median					Perennial Peanut planted in entire median.	
<u>QUARTERLY ADDRESSED</u>						
Accent/Street Lighting						
Lighting Electric Meters & Irrigation Controller Electric Source Locations					Lighting Electric Meter 2271 Sunshine Blvd., 1 SUN, Alley off 23 rd Ave. SW Lighting Electric Meter & Irrigation Controller Electric, 1995 Sunshine Blvd., 2 SUN, Alley off 20 th PL. SW Lighting Electric Meter 4642 18 th Pl. SW, 3 SUN, North R/W	
Fertilizations:			X		Refer to schedule.	
Irrigation:			X		The water use total was estimated at 298,572 gallons for August through November.	

Commented [MAM4]:



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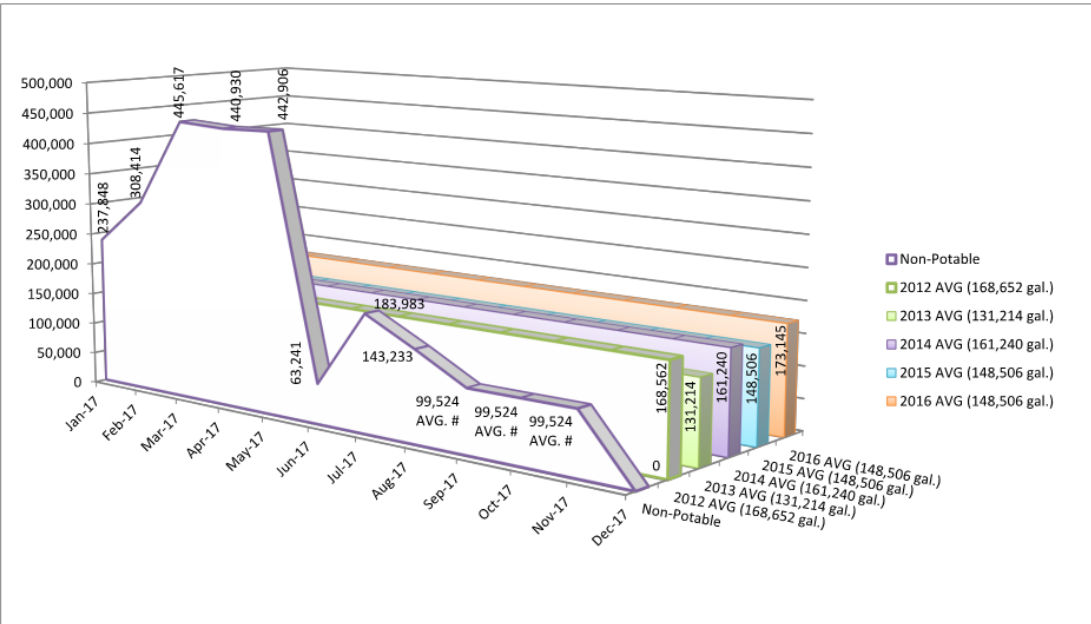
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GG MSTU Sunshine Blvd. Well Annual Water Use for 2017



Water Use Goal:

(1.47 ac. of Plants & Turf)

Recommended: Supplemental watering rate of .75 to 1 inch per week. One inch per week equals 39,917 gallons per week or 159,668 gallons per month.

2012 total water use: 2,022,743 gallons or 50.67 inches of supplemental water pumped

2013 total water use: 1,574,562 gallons or 39.45 inches of supplemental water pumped

2014 total water use: 1,954,877 gallons or 48.97 inches of supplemental water pumped

2015 total water use: 1,782,067 gallons or 44.64 inches of supplemental water pumped

2016 total water use: 2,077,734 gallons or 52.05 inches of supplemental water pumped

8/6/2017 -12/1/17

GOLDEN GATE MSTU FY 17-18 RECOMMENDED FERTILIZATION SCHEDULE - SUNSHINE BLVD.				
Plant Type	Turf / St. Augustine	Canopy & Palm Trees	Shrubs & Grn.Cover Beds	Blooming Plants
Month / Areas	(39,520 S.F.)		(21,846 S.F.)	(5,500 S.F.)
Jan-18				
Feb-18	8-2-12-180 (Florikote Collier blend) 15 lb. per 1000 S.F. (12 - 50 lb. bags)		8-2-12-180 (Florikote Collier blend) 15 lb. per 1000 S.F. (7 - 50 lb. bags)	14-14-14-90 7 lbs. per 1000 S.F. (1 - 50 lb. bag)
Mar-18				
Apr-18				Optional: 20-20-20 2.5 lbs./25 gal. H2O per 1000 S.F. (14 lbs.)
May-18				
6/1/2018	8-2-12-180 (Florikote Collier blend) 15 lb. per 1000 S.F. (12 - 50 lb. bags)		8-2-12-180 (Florikote Collier blend) 15 lb. per 1000 S.F. (7 - 50 lb. bags)	14-14-14-90 7 lbs. per 1000 S.F. (1 - 50 lb. bag)
Jul-18				
Aug-18	0-0-22 SPM 1 lb. per 100 S.F. (8 - 50 lb. bags)		0-0-22 SPM 1 lb. per 100 S.F. (4 - 50 lb. bags)	0-0-22 SPM 1 lb. per 100 S.F. (1 - 50 lb. bags)
Sep-18				
Oct-18	8-2-12-180 (Florikote Collier blend) 15 lb. per 1000 S.F. (12 - 50 lb. bags)		8-2-12-180 (Florikote Collier blend) 15 lb. per 1000 S.F. (7 - 50 lb. bags)	14-14-14-90 7 lbs. per 1000 S.F. (1 - 50 lb. bag)
Nov-18				Optional: 20-20-20 2.5 lbs./25 gal. H2O per 1000 S.F. (14 lbs.)
Dec-18				
Optional- At maintenance Consultants Recommendation. Blooming Plants - Bougainvillea, Indian Hawthorn, Plumbago, Blueberry Flax Lily				
Optional: Add to pest and/or disease control sprays for shrubs and turf: Feromec AC 15-0-0 plus 6% iron, 3% sulfur @ 1.5 gal./100 gal. H2O				
Do not apply to any flower buds or blossoms in flower. - Indicates period of no Nitrogen or Phosphorus applications.				