

McGee & Associates

Landscape Architecture

Project: GOLDEN GATE BEAUTIFICATION, M.S.T.U.
Project Manager: Darryl Richards, r.l.a., P.S.D. – P.T.N.E. Dept.
Consultant: McGee & Associates
Contractor: Hannula Landscaping & Irrigation Inc.
Report Period: FY 14-15 March 2015

Location: Golden Gate Pkwy.
Consultant's Representative: Michael A. McGee, rla, isa
Contractor's Representative: Dale Hannula

Report No.: Six– FY 14-15
S - Indicates items to be addressed by staff.
C - Indicates items 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.

LOCATION/WORK AREA	S	C	R	MAINTENANCE SERVICES OBSERVATIONS & RECOMMENDATIONS	RESPONSE or COMMENTS
Observation dates: 03/10-13/15				MONTHLY ADDRESSED	
Median #12 – 29 (3-19)		X	13	Medians that contain turf areas.	M&A: 02-13-14 The broadleaf weed treatment program needs to continue for all turf areas. M&A: 12-12-14 It is estimated that all median with turf have broadleaf weeds within over 75% to 90% of the turf areas.
Median #32 (1)		X	11	West end: Indian hawthorn shrubs have multiple dead and/or missing plants. Provide count of dead, missing or declining plants. If over 50 percent of plants are found to be dead missing or declining then it is recommended the area be renovated with Blueberry Flax lily 1 gal. size 36" o.c., 48" over back of curbing and other plants.	M&A: 7/9/14 There are over 50 plants that are dead, missing or in decline that need to be removed. Provide proposal to remove existing plants and install Flax lily 1 gal. size
Median #31 (2)		X	12	Review Juniper on east end: Provide count of declined, missing or damaged Juniper due to pedestrian traffic. Approx. (4) plants have brown foliage and (4) plants are damaged.	
Median #30 (2A) (Pavers only)					
Median #29 (3)		X	3	Transplanted Carissa plants are in transplant shock and water stress. Increase irrigation if it is not already.	2/11/15 M&A: Some plants have turned brown due to transplant shock. Review for removal if stems are not alive.
		X	14	Turf areas in need of replacement. See Quarterly Addressed section for comments.	
Median #28 (4)		X	13	Turf areas in need of replacement. See Quarterly Addressed section for comments.	
Median #27 (5)		X	11	East end: 3 (5) – Flax lily are dead or missing. Replace with 1 gal. size.	
		X	14	Turf areas in need of replacement. See Quarterly Addressed section for comments.	
Median #26 (6)		X	3	West end bed: (5) Dead and/or missing Flax lily plants. Install 1gal. size.	
		X	14	Turf areas in need of replacement. See Quarterly Addressed section for comments.	
Median #25 (7) Pump Station- Median #25 (7) east		X	3	Transplanted Carissa plants west of pump station are in transplant shock and water stress. Increase irrigation if it is not already.	2/11/15 M&A: Some plants have turned brown due to transplant shock. Review for removal if stems are not

Design * Environmental Management * Planning * Arborist

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end, 15 hp , 8" well, VFD, Motorola Scorpio controller S3405-operates G.G. Pkwy. Medians 22-32 (1-10)					alive.
		X	14	Turf areas in need of replacement. See Quarterly Addressed section for comments.	
Median #24 (8)		X	10	Flax lily need to reviewed and treated for rust disease.	
		X	20	Provide count to fill in missing Liriope plants in middle area of median.	Hannula 1/13/14: Estimate #14-0005; submitted 1/10/14. Pending fund 111 staff approval,
Median #23 (9)		X	14	Turf areas in need of replacement. See Quarterly Addressed section for comments.	
		X	28	Damaged area has grown over with native grasses and weeds. Apparent auto damage to turf on west median end. Provide proposal for repair and replacement. (photo)	Plant material to be replaced; sod will not be replaced. Hannula 1/13/14: Estimate #14-0005; submitted 1/10/14. Pending fund 111 staff approval
Median #22 (10)	X	X	3	Median is in need of renovation due to amount of missing plants in multiple beds.	
		X	6	West end bed: Remove flagged declining Pine tree.	
		X	6	West end bed: (10) Juniper parsoni are missing. Replace with 3 gal. size.	
		X	11	East end bed: 3 – White African Iris are dead or missing. Replace with 1 gal. size.	M&A: 8-14-14 (3) more additional Iris have declined or have died. M&A: 11-13-14 There are only (3) remaining Iris and (2) of those are in decline. It is recommended to remove the Iris and install a planting of Variegated Arboricola "Trinette" in a three row planting. (45) 3 gal. size plants would be required. These Iris were originally planted by the Contractor as a bed expansion.
		X	14	Turf areas in need of replacement. See Quarterly Addressed section for comments.	
		X	28	West end turf area: Area has grown over with native grasses and weeds. Previously water stressed and/or chinch bug damage. Review irrigation coverage and treat as required. Remove dead turf and resod. (photo)	Hannula: 11-12-13 On monthly schedule. Hannuls 1/13/14: 1 st Treatment Completed on 12/2/13; 2 nd Treatment Scheduled for 01/20/14. 12/27/14 Irrigation coverage reviewed; irrigation coverage is fine. Estimate #14-0005; submitted 1/10/14. Pending fund 111 staff approval
Median #21 (11)		X	4	On the west end of the median there is a pile of construction debris/dirt & rocks at the back side of the pavers that has been overgrown with weeds. Please review and provide comments as to how this happened and who may have caused this.	
		X	4	Treat median for ants. Ant mounds are present along the back of curbing.	
		X	14	Turf areas in need of replacement. See Quarterly Addressed section for comments.	
		X	30	East end bed: Flax lily has Torpedo grass in them. Continue to remove and treat Torpedo grass in Iris plants.	Hannula: 11-12-13 On weekly schedule. Hannula 1/13/14: Fucilade to be applied during next herbicide application on Jan 20 th 2014, M&A: 4-12-14 Continue to review and hand remove Torpedo grass. M&A; 5-14-14

Comment [s21]:



Comment [s22]:



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					Still minor amounts of Torpedo grass exist. Continue to review, treat, and hand remove.
		X	26	Middle turf area: Area has grown over with native grasses and weeds. Previously water stressed and/or chinch bug damage. Review irrigation coverage and treat as required. Remove dead turf and resod. (photo)	Hannula: 9-5-13 Irrigation adjustment completed. M&A: 9-12-13 Provide proposal to staff to resod with St. Augustine. Hannula 1/13/14: Estimate #14-0005; submitted 1/10/14. Pending fund 111 staff approval. M&A: 3-10-15 Treat areas for broadleaf weeds will help re-establish St. Augustine turf.
Median # 20 (12) Pump Station- Median #20 (12) west end, 15 hp , 8" well, VFD, Motorola Irrinet controller #34-operates G.G. Pkwy. Medians 21-15 east side of canal, (11-18) & Hunter Blvd. & Coronado Pkwy.		X	14	Turf areas in need of replacement. See Quarterly Addressed section for comments.	
Median #19 (13)		X	9	On the west end of the median the previously replaced Big Rose crown of thorn have been run over of walked over. (4) plants are dead, missing and/or damaged and need to be replaced.	
		X	14	Turf areas in need of replacement. See Quarterly Addressed section for comments.	
Median #18 (14)		X	14	Turf areas in need of replacement. See Quarterly Addressed section for comments.	
		X	17	Turf areas look very bad. Unless an auto accident is to blame the Contractor needs to address this bad turf area that was under its maintenance.. (photo)	Hannula 1/13/14: Estimate #14-0005; submitted 1/10/14. Pending fund 111 staff approval
Median #17 (15)		X	3	2nd bed from west end: remove remaining Pittosporum and Indian hawthorn shrubs and then expand adjacent Flax lily plants. (60) 1 gal. size.	
		X	14	Turf areas in need of replacement. See Quarterly Addressed section for comments.	
Median #16 (16)		X	8	The Crape myrtle on the west end of the east bed is covered with Tillandsia (Air plants) species and is in a declining state. It is recommend to remove these plants.	M&A: 1-15-15 One additional Crape myrtle on west end also needs air plants removed.
		X	14	Turf areas in need of replacement. See Quarterly Addressed section for comments.	
Median #15 (17 – East of canal)		X	14	Turf areas in need of replacement. See Quarterly Addressed section for comments.	
		X	20	4 th bed from east end: Expand Flax lily bed into area of removed plants. Remove all Indian hawthorn plants. (photo)	Hannula 7/16/13: County postponed replacements until Oct. 2013., M&A: 9-12-13 Provide proposal to staff for replacements. M&A: 12-12-13 (1) Indian hawthorn still needs to be removed at base of Oak tree. Hannula 1/13/14: Indian hawthorn removed.
Median #15 (17) (Old #18 –West of canal)		X	2	Review Flax lily plants and provide count of dead or missing plants. 1 gal. size.	
Median #14 (#19 – Paver only)					
Median #13 (18) (Old #20)					

Comment [s23]:



Comment [s24]:



Comment [s25]:



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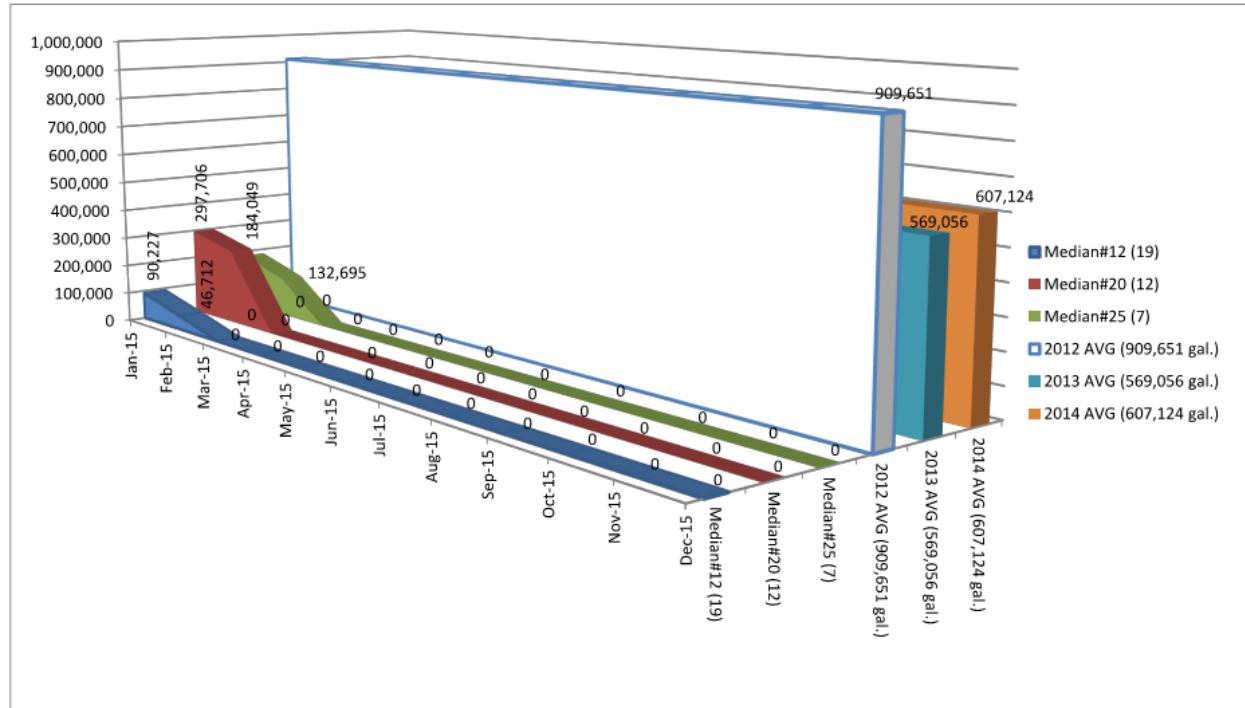
<u>LOCATION/WORK AREA</u>	<u>S</u>	<u>C</u>	<u>R</u>	<u>MAINTENANCE SERVICES OBSERVATIONS & RECOMMENDATIONS</u>	<u>RESPONSE or COMMENTS</u>
		X	12	Turf areas in need of replacement. See Quarterly Addressed section for comments.	
Median #12 (19) (Old #21, Sign) Pump Station- Median #12 (19) (Old #21) east end bed, 7.5 hp , 6" well, VFD , Motorola Scorpio controller S3401-operates G.G. Pkwy. Medians 11-15 west side of canal (19-22).		X	6	2 nd bed from east end: Remove weeds in Iris and Juniper beds.	
		X	14	Turf areas in need of replacement. See Quarterly Addressed section for comments.	
Median #11 (20) (Old #22)					
Irrigation General:	X	X	3	If the Bermad pulse counter is working then request from Darryl's office to contact the County Irrigation Project Manager to set the maximum flow per week as follows: Pump station in median #25 - 100,000 gallons. Pump station in median #20 - 55,000 gallons. Pump station in median #12 - 22,000 gallons. at which time an alarm will be sent to Hannula Landscaping.	
QUARTERLY ADDRESSED					
All medians with turf:		X	14	Turf areas in need of replacement.	Provide proposal to show required turf replacement square footage for each median.
Median #23 (9)		X	19	3 rd bed from east end: Add 12- 3 gal. Fakahatchee grass in middle of bed.	Hannula 7/16/13: County postponed replacements until Oct. 2013., M&A: 9-12-13 Provide proposal to staff for replacements. Hannula 1/13/14: Estimate #14-0005; submitted 1/10/14. Pending fund 111 staff approval
	X		38	The Mr. Farrow and Mr. Melchore memorial plaque and base need to be cleaned and base repainted. (photo)	
Median #17 (15)		X	17	2 nd bed from west end: Remove declining Variegated Pittosporum and Indian hawthorn shrubs and replant area with Blueberry Flax Lily. 60 – 1 gal. plants will be needed to expand westward from existing Flax lily bed.	Hannula 7/16/13: County postponed replacements until Oct. 2013., Removal on schedule to completed by 9/15/13., M&A: 11-13-14 remove all Pittosporum shrubs and then replant with Flax lily. Provide proposal. Hannula 1/13/14: Estimate #14-0005; submitted 1/10/14. Pending fund 111 staff approval, M&A: 4-12-14 Remove additional dead and dying variegated Pittosporum shrubs.

Comment [mam6]:



LOCATION/WORK AREA	S	C	R	MAINTENANCE SERVICES OBSERVATIONS & RECOMMENDATIONS	RESPONSE or COMMENTS
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GG MSTU Golden Gate Parkway Median #25 (7)-20 (12)-12 (19), Well Annual Water Use for 2015



Water Use Goal:

(5.73 ac. of Plants & Turf)

Recommended: Supplemental watering rate of .75 to 1 inch per week. One inch per week equals 155,594 gallons per week or 622,376 gallons per month.

2012 total water use: 10,915,815 gallons or 70.16 inches of supplemental water pumped.

2013 total water use: 6,828,673 gallons or 43.89 inches of supplemental water pumped.

2014 total water use: 7,285,490 gallons or 46.83 inches of supplemental water pumped.

3/2/2015