

McGee & Associates
Landscape Architecture

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

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

Consultant: McGee & Associates

Contractor: Green Effex

Report Period: FY 18-19, May 2019

Location: Coronado Pkwy. and Hunter Blvd.

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

Contractor's Representative: John Saupp

Report No.: Eight

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.

<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: 5/13/19					<u>MONTHLY ADDRESSED</u>	Please provide responses as completed, ongoing or proposal submitted, and any notation deemed important. Yellow - highlighted items are recommendation which require immediate (within the next 30 days), action or renovation recommendations generally based upon hurricane Irma damage. Renovation plantings to be on hold until after irrigation conduit project.
Coronado Pkwy. - All locations	X				Renovation preparations are underway.	
	X	X		11	Recommend that all paver areas be pressure washed following the irrigation conduit installation.	M&A: "Wet & Forget" test area recommended
		X		12	Median numbers need to be refreshed.	
		X	X	18	All canopy type trees need minor broken branches removed.	
		X	X	25	A comprehensive review is needed to determine what is causing the overall decline and death of the flax lily plantings. Soil and plant analysis are recommended, along with no more spraying of herbicide around any Flax lily plants and the pull back of mulch away from the plant bases and any mulch piles within the plants themselves.	M&A: Soil samples are being collected and submitted for analysis by staff.
	X	X	X	27	The contractor has had issues keeping the Mimosa plantings free of weeds and looking good. On Hunter Blvd. in median #5 one section of the Mimosa has been removed do to weeds. Based upon the past issues it is recommend that all locations of the Mimosa plantings on Coronado and Hunter be removed and the areas replanted with Perennial Peanut "Ecoturf" variety in 1 gal. 18" o.c., 36" offset from back of curbing. Contractor could provide a shared cost proposal. The recommendation would help both party's resolve the appearance issue for the District and the added weed removal labor required by the contractor.	M&A: Based upon the regrowth of the Mimosa it is recommended that the Mimosa not be removed and continue to maintain the existing Mimosa. M&A: 12/11/17 Remaining mimosa in median #5 on Hunter and in median #10 on Coronado need to be removed and Perennial Peanut planted.
Median #1- Pavers				18	Pressure cleaning recommended	
Median #2- Pavers				18	Pressure cleaning recommended	
Median #3		X		9	North end Foxtail palm is in serious decline with no new center frond. Removal is recommended, and any replanting of a new Foxtail should include soil amendments to the backfill soil. If one more fertilization attempt is to be performed it is recommended to apply 3 lbs. per palm of Manganese Sulfate within a curb to curb and 10-foot north and south area away from the trunk.	M&A 11/12/18: Palm is dead and needs to be removed. Replacement is recommended with review of soil after removal for amendments.
		X	X	12	Perennial peanut beds need to be weeded.	
		X	X	56	Review and treat Bulbine and Society garlic plants for fungus.	M&A: 7/8/14 There are (7) Society garlic plants that are dead and need to be replaced. 1 gal. size. M&A: 10-16-14 There are (25) Bulbine that are dead and/or missing. It is recommended to remove all remaining and replant areas with Blueberry Flax Lily, 1 gal. size, provide counts. M&A: 7/13/16 Base upon establishment of remaining Society Garlic and Bulbine plants it is recommended to replace the missing plants. M&A: 1/9/17 Due to decline it is recommended to removal all Society Garlic & Bulbine plants and replant areas with Perennial Peanut. M&A: 12/11/17 both ends have been planted with Perennial Peanut. Remaining middle area need Bulbine removed and additional Perennial

Design * Environmental Management * Planning * Arborist

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						Peanut added. M&A 7/9/18: Install estimated (156) 1 gal. Perennial Peanut (6 rows) 18" o.c. 3' off back of curbing.
Median #4			X	30	East end: Auto accident, (9-10) plants damaged and need to be removed and replaced. (photo)	M&A: 10/7/16 Recommend cutting back and removing damaged foliage in order to try and grow back remaining plants. M&A 7/9/18: See recommendation below.
	X	X	X	29	(± 26) Additional Big Rose plants are declined, dead or missing in the median as a result of pest (e.g. snails) and/or disease.	M&A: 12/11/17 All Big Rose crown of thorn have been leaned over or damaged by the storm. Recommend cutback to 8-inch level and review for new growth in three months. M&A 7/9/18: Install (26) 1 or 3 gal. Crown of thorn 'Big Rose'. M&A: 12/10/18 Recommend Removal of all Big Rose Crown of thorn and replace with perennial peanut on both ends between the first three Alexander palms (approx. 120 - 1 gal. size plants in a double row 20 plants between palms). In the remaining middle areas (7) between palms install a single row of yellow African Iris 28 - 3 gal. size (4 plants between palms 4' o.c.+/-).
Median #5	X	X		8	Due to missing and damaged caused by irrigation wiring project it is recommended the Society garlic plants be removed and the median be replanted with Perennial Peanut.	M&A 10/8/18: Remove remaining Society garlic plants and add 90 Perennial Peanut plants in 1 gal. size containers. 20 plants between palms and palms and pavers except for the east end will only need 10 plants.
			X	36	Monitor second Alexander palm from the west end of median it has no apparent terminal frond showing.	M&A: 4/12/16 recommend trying to remove frond crown shafts with pole saw, so to open up forming fronds. M&A: 8/8/16 Why was palm tree removed? M&A: 10/7/16 Recommend replacement of Alexander palm, 10 ft. clear trunk ht. min. A soil treatment for fungus should occur prior to replanting and after replanting.
Median #6	X	X	X	18	(1) Oak tree removed.	Recommend replacement. M&A 7/9/18: Install (1) Quercus virginiana 'Cathedral' Live Oak 14'-16' ht., 7'-8' spr, 6"-7" cal., 44" B&B or 100 gal.
	X	X	X	18	Big Rose crown of thorn directly under Oak tree received complete storm damage and it is recommended to remove all and replant with 3 gal. size yellow African Iris. Replacement count needed. Iris to be 4-foot off back of curb and 3-foot on center.	M&A 7/9/18: Install (90) Yellow African Iris 1 gal., 4' o.c., 4' off back of curbing.
			X	53	On east end one (4) (5) (8) Big Rose recently planted crown of thorn are dead and/or missing and need to be replaced.	M&A 7/9/18: Install estimated (95 – on east end) & (114 – on west end) 1 gal. Perennial Peanut 18" o.c., 3' off back of curbing. (19 plants in 2 rows between Alexander palms)
		X	X	51	For a second time the westernmost Alexander palm has been hit by an auto. It is recommended not to replace this palm. Close off bubbler and review Big Rose crown of thorns for replacements (8 +/-).	2/11/15 M&A: (5) 1 gal. Big Rose plants are needed. M&A: 4/15/15 Contractor is trying to locate a nursery supplier. M&A: 06/11/15 Please update status of plants being located or grown. M&A 7/9/18: See recommendation above.
Median #7		X	X	8	Torpedo grass in east end Juniper bed needs to be removed and/or treated.	
		X	X	9	On west end north side prune back Silver saw palmetto and dwarf Bougainvillea shrubs back to improve sightline for cars turning north onto Hunter Blvd.	
		X	X	18	(1) Crape myrtle removed.	Recommend replacement. M&A: 7/9/18: Install (1) Crape myrtle "Muskogee" 14' ht., 8' spr., multi-stem (4 min. 2" cal. Min.) 50" B&B or 100 gal.
		X	X	18	Provide count to replace missing Juniper plants on east end bed. 3 gal. size.	M&A: 7/9/18: Install (6) 3 gal. Juniper 'Parsonii' at missing locations on east end.
			X	22	On west end, south side auto damaged in Juniper and Coontie beds. Review to remove damaged and dead foliage and/or plants. Recommend replacement proposal be prepared and submitted.	M&A: 7/9/18: Install (5) 3 gal. Juniper 'Parsonii' at missing locations on west end.

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Median #8		X		8	The current irrigation project has caused considerable damage to the Juniper plants in this median. Over 50% (98+/-) of the plants have been damaged and/or removed. One Alexander palm has been scared by directional bore operation. (photo)	
		X	X	20	Prune out dead foliage and remove dead plants within the Junipers. Recommend providing counts and proposal for replacements.	M&A: 7/9/18: Install (8) 3 gal. Juniper 'Parsonii' at missing locations on west end.
Median #9 - Pavers						
Median #10		X	X	3	Additional fertilizer containing high amount of Potassium (K) is recommended at all Purotis palm locations.	
		X	X	11	At address 5389 thru 5401: Remove Flax lily plants and replace with Iris	M&A 7/9/18: Install (161) Yellow African Iris 1 gal., 4' o.c., 4' off back of curbing.
		X	X	12	Dead foliage in Blueberry Flax lily needs to be removed.	
		X	X	18	At address 5256: Sabal palm leaning. Reset.	
				18	At address 5273: (2) Jatropha removed.	Consider replacement with alternate plant (e.g. Crape Myrtles) or leave unplanted and increase shrub or ground cover plantings. M&A: 7/9/18 Install (1) 15 gal. multi-stem shrub 4' ht.
	X	X	X	18	At address 5301: (2) Jatropha removed.	Consider replacement with alternate plant (e.g. Crape Myrtles) or leave unplanted and increase shrub or ground cover plantings. M&A: 7/9/18 Install (1) 15 gal. multi-stem shrub 4' ht.
	X	X	X	18	At address 5327: (2) Jatropha removed.	Consider replacement with alternate plant (e.g. Crape Myrtles) or leave unplanted and increase shrub or ground cover plantings. M&A: 7/9/18 Install (1) 15 gal. multi-stem shrub 4' ht.
		X	X	18	West end Mimosa plantings have been over taken by weeds. Recommend removal and replant area with Perennial Peanut.	M&A 7/9/18: At address 5401 thru 5419: & (140 – on west end) 1 gal. Perennial Peanut 18" o.c., 3' off back of curbing. (28 plants in 3 rows between Alexander palms)
			X	50	Provide estimate to replace missing Society garlic plants. (6) (25+/-) 1 gal. size.	M&A 9/17/14: Remove all non Society Garlic plants and provide count for replacements. Plants to remove have dark green foliage and white flowers or seed pods on them. M&A 7/9/18: On east end install (50) Society Garlic 1 gal., in missing locations. The east end original Lilac colored Society garlic plants have become invaded by a white colored verity, as well as there are about 30% of the plants missing. It is recommended to remove the remaining plants and replant the area with Perennial Peanut plants. M&A 10/8/18: Install (250 +/-) Perennial Peanut "Golden Glory" 18" o.c., 4' off back of curbing in 1 gal. size containers
			X	63	At address 5291: Eight dead Coontie/Zamia need to be replaced. Please provide replacement plants at 3 gal. container size 16" ht./spr. One dwarf Bougainvillea 'Helen Johnson' plant is missing. Replant with 3gal size.	Hannula 1/10/14: Estimate #14-0006 submitted. Staff approved 1/13/14. M&A: 10/12/15 Revised proposal would be needed. M&A 7/9/18: Install (8) 2 gal. Zamia/Coontie and (1) 3 gal. dwarf Bougainvillea in missing locations.
			X	64	At address 5254: Five dead Coontie/Zamia need to be replaced. Please provide replacement plants at 3 gal. container size 16" ht./spr.	Hannula 1/10/14: Estimate #14-0006 submitted. Staff approved 1/13/14. M&A: 10/12/15 Revised proposal would be needed. M&A 7/9/18: Install (5) 2 gal. Zamia/Coontie in missing locations.
Median #11 Bridge			X	24	On west side of bridge review Flax lily plants for replacements and add Sand Cordgrass plants to existing bed to replace missing Flax lily plants.	M&A: 6/12/17 remove dead foliage out of Flax lily plants. M&A 7/9/18: (22 – on west end) 1 gal. Perennial Peanut 18" o.c., 3' off back of curbing. (22 plants in 2 rows between Alexander palm and pavers). Remove Canna and Flax lily plants from Maple tree to Alexander palm,



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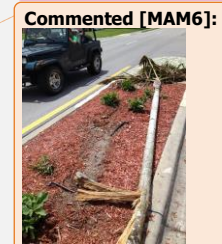
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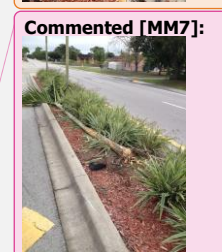
LOCATION/WORK AREA	AC	S	C	R	MAINTENANCE SERVICES OBSERVATIONS & RECOMMENDATIONS	RESPONSE or COMMENTS
						install (12) Sand cordgrasses 3 gal. size 4" o.c. & off curbing. (On east end of median) Remove all Flax lily west of valve boxes, Install (10) sand cordgrass 3 gal., Install (21) Perennial peanut from pavers to Flax lily at end of guardrail.
Median #12		X	X		The third Alexander palm from the west end has been destroyed by an auto accident. It is recommended to replace the palm with 10 ft. clear trunk palm. (photo)	
		X	X	18	(6) Big Rose crown of thorn are missing. Recommend replacement.	M&A 7/9/18: Install (6) 1 or 3 gal. Crown of thorn 'Big Rose' (Middle of median)
			X	32	One Alexander palm on the east end of the median has been cut off at ground level. Replacement is recommended.	M&A: 10/7/16 Recommend replacement of Alexander palm, 10 ft. clear trunk ht. min. M&A 7/9/18: (53 – on west end) 1 gal. Perennial Peanut 18" o.c., 3' off back of curbing. (in 2 rows between Alexander palm and pavers)
			X	52	Auto accident (1) Alexander palm needs to be replaced. (photo)	Provide estimate for replacement. M&A: 4/12/16 It was observed that one additional Alexander palm has been removed from the east end of the median. Unless there is some unknown reason it is recommended to replace this additional palm. M&A: 10/7/16 Recommend replacement of Alexander palm, 10 ft. clear trunk ht. min. M&A 7/9/18: Remove Big Rose to Alexander palm and install (31 – on west end) 1 gal. Perennial Peanut 18" o.c., 3' off back of curbing. (31 plants in 2 rows between Alexander palm and pavers)
Median #13			X	48	(8) missing Society garlic plants.	Provide estimate for replacements at 1 gal. size. M&A 5/14/15: Additional plants are declining and/or missing review and provide count for replacements. M&A 7/9/18: Install (15) Society Garlic 1 gal., in missing locations.
Median #14			X	20	Remove dead foliage out of Flax lily plants.	
			X	40	There are (8) dead and/or declining Flax lily plants. Remove all dead foliage and declining plants and provide count for replacements.	M&A 7/9/18: Install (8) 1 gal. Blueberry Flax Lily in missing locations.
			X	48	Alexander palm destroyed due to auto accident. (photo)	M&A: 06/11/15 update status of replacement. M&A: 10/7/16 Recommend replacement of Alexander palm, 10 ft. clear trunk ht. min.
Hunter Blvd. - All locations	X				Renovation preparations are underway.	
		X		12	Median numbers need to be refreshed.	
		X	X	18	All canopy type trees need minor broken branches removed.	
Median #1		X		7	Second palm and Juniper plants on the south end have been removed and/or damaged by auto accident. (photo)	M&A: Replace (1) Alexander palm, 10 ft. clear trunk ht. min. Provide count for 3 gal. Juniper parsoni plants.
			X	27	Auto accident, Proposal being prepared. (Photo)	M&A: 10/7/16 Proposal submitted and replacement scheduled. M&A: 7/9/18 Replace (1) Alexander palm, 10 ft. clear trunk ht. min.
Median #2			X	29	See recommendations for "All Locations" above.	
			X	49	(3) Big Rose plant is dead.	Provide estimate for replacement at 1 gal. size. M&A: 4/15/15 Contractor is trying to locate a nursery supplier. M&A 7/9/18: Install (3) 1 or 3 gal. Crown of thorn 'Big Rose'
Median #3	X	X	X	18	Median received additional flooding during storm and planting bed soil has been removed. All shrub or ground cover plantings need to be removed. Median will need an additional 4 to 6-inch layer of soil added prior to any renovation planting work. Existing Alexander palms and Crape myrtles need additional soil placed around exposed root systems as soon as possible.	M&A: 7/9/18 Renovation Recommendation: Install by topdressing/backfilling entire median with clean native topsoil (85 c.y. +/-). Median soil profile to be 4-inch below top of curbing or pavers and elevate to 4" to 8" above curb along centerline of median.
			X	29	(3) (5) Big Rose plants are declined, dead and/or missing that appears to be from pest or disease.	M&A 7/9/18: See recommendations below.



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			X	58	9/13 roadway flooding washed away soil, uprooted plants and left plants with root exposure. The current estimated plant lose is south end 30 Lantana, 54 Big Rose and 4 Blueberry flax lily plants will need to be replaced. Due to past flooding additional top dress soil will need to be applied to some areas in the median when replanting.	Hannula: Revised estimate #13-3405 submitted on 12/20/13, M&A: Estimate pending Committee approval. M&A: 4/15/15 Replanting project on hold until storm water system improvements are completed. M&A: 7/9/18 Renovation Recommendation: Remove remaining Big Rose & Flax Lily. Install between Crape myrtles trees in 3 rows (54) Bougainvillea 'Silhouette' & (58) Bougainvillea 'Ms. Alice' 3 gal., 4' o.c., 5' off curbs & 5' off trees.
			X	60	Lantana plantings being removed and replaced with Juniper, Big Rose or Flax lily due to prior flood damage.	Hannula: Revised estimate #13-3405 submitted on 12/20/13, M&A: Estimate pending Committee approval. M&A: 4/15/15 Replanting project on hold until storm water system improvements are completed. M&A: 7/9/18 Renovation Recommendation: Install (150) Perennial Peanut "Ecoturf" variety in 1 gal. 18" o.c., 36" offset from back of curbing. (19) plants between Alexander palms & pavers.
Median #4			X	20	Fourth Alexander palm from the north end has died. Please review for possible cause. Replacement should include fungicide soil drench.	M&A: Do not remove Alexander palm. New Frond has emerged from the bud. Treat with fungicide and fertilize with 4 lbs. 13-3-13 palm special fertilizer. M&A: 7/9/18 Install (1) Alexander palm 10' clear trunk. (24) 3 gal. Juniper 'Parsonii' at missing locations between palms.
			X	30	(10) Big Rose plants are declined, dead and/or missing that appears to be from pest or disease.	M&A: 7/9/18: remove Big Rose and install (175) Perennial Peanut "Ecoturf" variety in 1 gal. 18" o.c., 36" offset from back of curbing.
			X	61	9/13 roadway flooding washed away soil, uprooted plants and left plants with root exposure. The current estimated plant lose is south end 30 Lantana plants will need to be replaced. Due to past flooding additional top dress soil will need to be applied to some areas in the median when replanting.	Hannula: Revised estimate #13-3405 submitted on 12/20/13, M&A: Estimate pending Committee approval. M&A: 10-16-14 It is recommended to re-mulch median it did not get washed over in the last flood event. M&A: 4/15/15 Replanting project on hold until storm water system improvements are completed. M&A: 7/9/18: Install by topdressing/backfilling entire median with clean native topsoil (85 c.y. +/-)
Median #5 Pump station – Median #5, 7.5 hp, 8" well feeds Hunter & Coronado, Irrinet in median controls Piccolos	X	X	X	18	North end Oak tree removed.	Recommend replacement. M&A 7/9/18: Install (1) Quercus virginiana 'Cathedral' Live Oak 14'-16' ht., 7'-8' spr, 6"-7" cal., 44" B&B or 100 gal.
			X	27	South end bed of the Mimosa has been removed do to weeds. The north bed has been flush cut to the ground to address weeds. Based upon the past issues it is recommend that all locations of the Mimosa plantings on Coronado and Hunter be removed and the areas replanted with Perennial Peanut "Ecoturf" variety in 1 gal. 18" o.c., 36" offset from back of curbing. Contractor could provide a shared cost proposal. The recommendation would helping both party's resolve the appearance issue for the District and the added weed removal labor required by the contractor.	M&A: 12/9/16 Mimosa beds have been prepared for planting of Perennial peanut. M&A: 1/9/17 The north end area of Mimosa needs to be retreated with herbicide. M&A: 7/10/17 The north and south end areas of Mimosa needs to be retreated with herbicide before any plantings. M&A: 7/9/18: Remove Big Rose and install (163) Perennial Peanut "Ecoturf" variety in 1 gal. 18" o.c., 36" offset from back of curbing. (78 south end & 85 north end in 5 rows)
			X	62	Due to the poor performance, it is recommended to remove remaining Coontie plants on each side of the pump station and then install (8) 7 gal. 'Helen Johnson' dwarf Bougainvillea shrubs. 5 to the south and 3 to the north. Review and treat Coontie for scale insects. Please provide replacement plants at (8) 3 gal. container size 16" ht./spr.	Hannula: Revised estimate #13-3405 submitted on 12/20/13, M&A: Estimate pending Committee approval. M&A: 10-16-14 It is recommended to replant this median with dwarf Bougainvillea as planned. It was not washed over during the street flooding. Update estimate for replanting. M&A: 4/15/15 please update status of replacement recommendation. M&A: 03/09/16 Median replacement plantings on hold until after storm water project completion.
Median #6		X	X	5	At address 2007: Reset Oak.	
		X	X	5	At address 2043: Reset Oak.	

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		X	X	9	All locations remove vines and dead stalks out of Paurotis palms and remove trunk sprouts at base of Crape myrtles.	M&A: 3/11/19 Additional fertilizer containing high amount of Potassium (K) is recommended.
		X		11	Additional median flooding has washed soil onto the east and west roadways along the middle to south end of the median. Removal should occur as soon as possible.	
		X	X	11	Remove all dead fronds and stalks out of Paurotis palms.	
		X	X	18	At address 2116: Reset Oak.	
		X	X	18	At address 2100: Reset Oak.	
		X	X	18	At address 2090: Oak tree damaged. Remove and replace.	M&A 7/9/18: Install (1) Quercus virginiana 'Cathedral' Live Oak 14'-16' ht., 7'-8' spr, 6"-7" cal., 44" B&B or 100 gal.
		X	X	18	At address 2072: Oak tree damaged. Remove and replace.	M&A 7/9/18: Install (1) Quercus virginiana 'Cathedral' Live Oak 14'-16' ht., 7'-8' spr, 6"-7" cal., 44" B&B or 100 gal.
	X	X	X	18	At address 2018: (1) Jatropha removed.	Consider replacement with alternate plant or leave unplanted and increase shrub or ground cover plantings. M&A: 7/9/18 Install (1) 15 gal. multi-stem shrub 4" ht.
		X	X	19	Live Oak tree destroyed by auto accident. Recommended replacement with same height and caliper tree. (photo)	M&A 7/9/18: Install (1) Quercus virginiana 'Cathedral' Live Oak 14'-16' ht., 7'-8' spr, 6"-7" cal., 44" B&B or 100 gal.
			X	20	Remove dead foliage and stalks from Paurotis palms. Recommend thinning of clumps.	
			X	56	At address 2036: Auto accident. (23) (6) (2) Firebush and one Crape myrtle damaged and need to be replaced. (photo)	M&A: 4/15/15 Recommend Crape myrtle replacement go forward. M&A: 10/7/16 Some plants have regenerated and only (2) plants may be needed.
			X	63	9/13 roadway flooding washed away soil, uprooted plants and left plants with root exposure. The current estimated plant lose is south end 60 Lantana, @ 2148 24-Muhly grass, @ 2116 50-Muhly grass, @ 2100 14-Helen Johnson Bougainvillea and 6-Ms. Alice Bougainvillea plants will need to be replaced. Due to past flooding additional top dress soil will need to be applied to some areas in the median when replanting.	Hannula: Revised estimate #13-3405 submitted on 12/20/13, M&A: Estimate pending Committee approval. M&A: 4/15/15 Replanting project on hold until storm water system improvements are completed.
			X	63	At address 2148-2164: Due to 9/13 flooding Muhly grass planting will need to be reviewed for replacements. Due to past flooding additional top dress soil will need to be applied to some areas in the median when replanting.	Hannula: Revised estimate #13-3405 submitted on 12/20/13, M&A: Estimate pending Committee approval. M&A: 4/15/15 Replanting project on hold until storm water system improvements are completed.
			X	63	At address 2100-2116: Due to 9/13 flooding Muhly grass planting will need to be reviewed for replacements. Due to past flooding additional top dress soil will need to be applied to some areas in the median when replanting.	Hannula: Revised estimate #13-3405 submitted on 12/20/13, M&A: Estimate pending Committee approval. M&A: 4/15/15 Replanting project on hold until storm water system improvements are completed.
			X	61	At address 2072: Due to 9/13 flooding Muhly grass planting will need to be reviewed for replacements. Due to past flooding additional top dress soil will need to be applied to some areas in the median when replanting.	Hannula: Revised estimate #13-3405 submitted on 12/20/13, M&A: Estimate pending Committee approval. M&A: 4/15/15 Replanting project on hold until storm water system improvements are completed.
			X	61	At address 2090-2100: Remove remaining Coontie and replant with (12) 'Helen Johnson' dwarf Bougainvillea 3 gal. size. (5) Coontie are missing and/or dead and need to be replaced. 3 gal. size plants.	Hannula: Revised estimate #13-3405 submitted on 12/20/13, M&A: Estimate pending Committee approval. M&A: 4/15/15 Replanting project on hold until storm water system improvements are



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Landscape Architecture

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

Location: Coronado Pkwy. & Hunter Blvd.

Report Period: FY 18-19, May 2019

Report No.: Eight

LOCATION/WORK AREA	AC	S	C	R	MAINTENANCE SERVICES OBSERVATIONS & RECOMMENDATIONS	RESPONSE or COMMENTS
						completed.
Median #7			X	49	Review and treat as needed Big Rose plants for fungus and/or insect (i.e leaf spot, snails)	M&A: 10-16-14 Treat all plants for snails. Snails were found in multiple plants. (10) plants are dead or heavily damaged. M&A: 4/15/15 Retreat plants for snails and treat for leaf spot fungus. M&A: Comments were accidentally removed from last report. M&A: 12-10-15 There is active snails in crown of thorn and plant damage has occurred. M&A: 2/10/16 Plant replacement is needed. M&A: 7/13/16 See recommendations for "All Locations" above. M&A: 10 plants are dead and/or missing, 4 plants have been partially run over by auto. M&A; 12/11/17 Based upon current storm damage to crown of thorn it is recommended to removal all crown of thorn and replant median with one centerline row of yellow African Iris plants, 3 gal. size. Recommend providing count and proposal. M&A 7/9/18: Install (45) Yellow African Iris 1 gal., 4' o.c., 4' off back of curbing.
Median #8		X		16	At address 5201: Alexander palm removed due to auto accident. Replacement recommended. (photo)	M&A: 7/9/18 Install (1) Alexander palm 10' clear trunk.
		X	X	18	At address 5281: (1) Oak tree reset.	
	X	X	X	18	(1) Jatropha removed.	Consider replacement with alternate plant or leave unplanted and increase shrub or ground cover plantings. M&A: 7/9/18 Install (1) 15 gal. multi-stem shrub 4' ht.
		X	X	18	At address 5301: Oak tree damaged. Remove and replace.	M&A 7/9/18: Install (1) Quercus virginiana 'Cathedral' Live Oak 14'-16' ht., 7'-8' spr, 6"-7" cal., 44" B&B or 100 gal.
		X	X	18	At address 5325: Oak tree reset.	
				18	(1) Jatropha removed.	Consider replacement with alternate plant or leave unplanted and increase shrub or ground cover plantings. M&A: 7/9/18 Install (1) 15 gal. multi-stem shrub 4' ht.
		X	X	18	At address 5375: Oak tree damaged. Remove and replace.	M&A 7/9/18: Install (1) Quercus virginiana 'Cathedral' Live Oak 14'-16' ht., 7'-8' spr, 6"-7" cal., 44" B&B or 100 gal.
	X	X	X	18	(1) Jatropha removed.	Consider replacement with alternate plant or leave unplanted and increase shrub or ground cover plantings. M&A: 7/9/18 Install (1) 15 gal. multi-stem shrub 4' ht.
		X	X	18	At address 5395: Oak tree damaged. Remove and replace.	M&A 7/9/18: Install (1) Quercus virginiana 'Cathedral' Live Oak 14'-16' ht., 7'-8' spr, 6"-7" cal., 44" B&B or 100 gal.
		X	X	18	At address 5250: Previous report Sabal palm removed. Remove and replace.	M&A 7/9/18: Replace (1) Sabal palm 15' clear trunk ht.
		X	X	18	At address 5241: Oak tree damaged. Remove and replace.	M&A 7/9/18: Install (1) Quercus virginiana 'Cathedral' Live Oak 14'-16' ht., 7'-8' spr, 6"-7" cal., 44" B&B or 100 gal.
	X	X	X	18	On east end remove remaining Flax lily and add Bougainvillea Silhouette from westernmost Alexander palm to existing Bougainvillea. 3 gal. size. Provide count and proposal recommended.	M&A 7/9/18: Install (42) 3 gal. Bougainvillea Silhouette from westernmost Alexander palm westward to existing Bougainvillea.
			X	18	At address 5281: prune dead foliage out of Paurotis palms.	M&A: 3/11/19 Additional fertilizer containing high amount of Potassium (K) is recommended.
	X	X	X	18	At address 5375: Remove storm damaged Big Rose crown of thorn and replant area with yellow African Iris. 3 gal. size. Provide count and proposal recommended.	M&A 7/9/18: Remove Big Rose install (60) Yellow African Iris 4' o.c., 4.5' off back of curbing in 3 rows.
			X	20	At address 5345: Auto accident in Muhly grass bed. 7 plants need to be replaced. Review irrigation heads and regrade area at planting.	M&A 7/9/18: Install (7) 3 gal. Muhly grass in missing locations.
			X	27	3 rd Alexander palm from the west end has died. Based upon review of the palm it is suspected it was due to bud and/or root rot. Replacement is recommended, but after removal an application of soil fungicide	M&A: 7/9/18 Install (1) Alexander palm 10' clear trunk.



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LOCATION/WORK AREA	AC	S	C	R	MAINTENANCE SERVICES OBSERVATIONS & RECOMMENDATIONS	RESPONSE or COMMENTS
					should be applied prior to replanting and then followed up with an additional application after palm has be fully watered into place. Min. replacement palm size should be 10 ft. clear trunk.	
			X	31	Remove dead foliage in Flax lily plants on north west end of median.	
			X	32	At address 5241: (6) Bougainvillea 'Miss Alice" are missing and it is recommended to replace them at a 3 gal. size plant.	M&A 7/9/18: Install (6) 3 gal. Bougainvillea Ms. Alice in missing locations. M&A 1/7/19: Extend from existing Bougainvillea Silhouette eastward three rows of plants up to location of missing Oak tree at address 5281, (41) 3 gal. size. From missing Oak eastward remove Flax lily and plant Perennial peanut (Golden Glory) 1 gal., 18" o.c. to the end of the median, Five locations of 19 plants in two rows between palms and one location of 40 plants in three rows at the west end of planting.
			X	40	On east end remove dead foliage in Flax lily bed and provide count for replacements.	M&A: 7/13/16, 1/9/17 There are (12-15) (50+/-) declined, dead and/or missing plants to be replaced. M&A 7/9/18: On east end remove Flax lily and install (95) Perennial Peanut "Ecoturf" variety in 1 gal. 18" o.c., 36" offset from back of curbing. (19 plants between palms in 2 rows)
Median #9	X	X	X	35	17 – Big Rose crown of thorn have been partially up rooted due to recent storm winds and/or fallen trees. It is recommended to dig, replant and hand water in plants. Cut back plants as required in order for plants to stand upright. 1 – Big Rose plant has been broken at base and needs to be replaced.	M&A: Additional storm damage to the crown of thorn has occurred. Recommend removal of all plants and replant median with dwarf Bougainvillea 'Helen Johnson' in 3 gal. size containers. Provide count and proposal recommended. M&A 7/9/18: Remove Big Rose install (68) Yellow African Iris 4' o.c., 4.5' off back of curbing in 3 rows.
			X	62	See COMMENTS column. At address 5481: Review Lantana on west end for replacements. 8 – plants need to be replaced. 4 – white, 4 – Lavender. 3 – gal. or 8" basket size if available.	M&A: 12 -12 1-13 If the Lantana plantings are to be replaced then it is recommended the median be replanted with Big Rose Crown of thorn. Hannula 1/10/14; Estimate #14-0007 submitted 01/10/14. Staff approved 1/13/14. It is recommended to remove Lantana due to poor performance and replace with Big Rose Crown of thorn. M&A: 10-16-14 It is recommended to replant this median with Big Rose as planned. M&A: provide estimate to remove Lantana and install (119) 1 gal. size Big Rose crown of thorns. M&A: 4/15/15 Contractor is trying to locate a nursery supplier. M&A: 06/11/15 Please update status of plants being located or grown. M&A: 10/12/15 If Big Rose plants cannot be secured within the next 30 days it is recommended to provide an estimate using Blueberry Flax Lily. M&A 7/9/18: Perennial peanut existing on west end.
Median #10	X	X	X	18	Recommend removal of crown of thorn and replant areas with Perennial Peanut.	M&A: 7/9/18: Remove Big Rose and install (152) Perennial Peanut "Ecoturf" variety in 1 gal. 18" o.c., 36" offset from back of curbing. (19 plants between palms in 2 rows)
			X	24	The 3 rd Alexander palm from east end was removed due to auto accident, along with (14) Big Rose crown of thorns.	M&A: 7/9/18 Install (1) Alexander palm 10' clear trunk.
			X	53	See COMMENTS column. (5) Big Rose crown of thorn are dead and/or missing. Review and provide replacements.	M&A: 10-16-14 Treat plants for snails. (13) plants are now dead and need to be replaced. M&A: 11-13-14 Snails are still present and active. (18) plants are now dead or declined and need to be replaced. 1 gal. size. M&A: 2-14-17 It is recommended based upon the recent auto accident on the east end, along with the Big Rose that are missing on the west end due to snail damage, that each end have all the existing Big Rose be removed from the ends of the median up to the second palm trees and then replanted with Perennial Peanut. Based upon the contractor having responsibility to replant the west end with Big Rose

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						replacements another shared cost proposal could be provided for the planting of the Perennial Peanut on the west end of the median. If possible, any existing Big Rose plants could be relocated to other medians where missing plants exist. It is recommended to prepare and submit a proposal for this work.
Median #11		X	X	18	35 -40 Society Garlic plants are missing. Replacement recommended.	M&A 7/9/18: Install 40 Society Garlic plants, 1 gal., 24" o.c. in missing locations.
Median #12			X	38	(1) Flax Lily and (1) Alexander palm is missing from west end of median.	M&A: 7/9/18 Install (1) Alexander palm 10' clear trunk. Install (2) 1 gal. Blueberry Flax Lily in missing locations.
<u>QUARTERLY ADDRESSED</u>						
Fertilization:			X		Refer to schedule.	
General Irrigation:			X		Previous month combined water use is estimated at 229,968 gallons.	

GOLDEN GATE MSTU FY 18-19 RECOMMENDED FERTILIZATION SCHEDULE - HUNTER BLVD. & CORONADO PKWY.			
Plant Type	Palm Trees	Canopy / Blooming Trees	Canopy Trees, Shrubs & G.C., Blooming Plants/ Bougainvillea
Month			
Jan-18			
Feb-18			
Mar-18			
Apr-18			
May-18	8-2-12-180 (Florikote Collier Palm Blend) Alexander palms: 4 lbs. per palm, Paurotis palms: 10 lbs. per palm, Foxtail palms: 5 lbs. per palm (13- 50 lb. bags)	8-2-12-180 (Florikote Collier Palm Blend) (14) - Crape Myrtles 4 lbs. per tree (5) - Silk Floss Trees 4 lbs. per tree (2-50 LB. Bags)	8-2-12-180 (Florikote Collier Palm Blend) 15 lbs. per 1000 S.F. (20-50 LB. Bags)
Jun-18			
Jul-18			
Aug-18	0-0-22 SPM 1 lb. per 100 S.F. (14- 50 lb. bags)		0-0-22 SPM 1 lb. per 100 S.F. (14- 50 lb. bags)
Sep-18			
Oct-18	8-2-12-180 (Florikote Collier Palm Blend) Alexander palms: 4 lbs. per palm, Paurotis palms: 10 lbs. per palm, Foxtail palms: 5 lbs. per palm (13- 50 lb. bags)	8-2-12-180 (Florikote Collier Palm Blend) (14) - Crape Myrtles 4 lbs. per tree (5) - Silk Floss Trees 4 lbs. per tree (2-50 LB. Bags)	8-2-12-180 (Florikote Collier Palm Blend) 15 lbs. per 1000 S.F. (20-50 LB. Bags)
Nov-18			
Dec-18			
Do not fertilize Sabal palms or Oaks trees.			
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. Do not apply to any flower buds or blossoms in flower.			
- Indicates period of no Nitrogen or Phosphorus applications.			