

McGee & Associates

Landscape Architecture

Project: LELY GOLF ESTATES BEAUTIFICATION, M.S.T.U.
Location: MSTU DISTRICT ROADWAYS
Project Manager: Darryl Richards, r.l.a., C.C.P.S.D. – A.T.M. Dept.
Consultant: McGee & Associates
Contractor: Commercial Land Maintenance
Report Date: FY14-15, 02/16/15

Landscape Observation Report: January 2015 - February 2015
Consultant's Representative: Michael A. McGee, rla, isa
Contractor's Representative: Robert Kindelan
Observation Date: 02/16/15

Report No. 5

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 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	OBSERVATION & RECOMMENDATIONS	RESPONSE or COMMENTS
<u>All locations</u>		X	5	Canopy tree selective pruning is recommended under the observation of the Consultant and Contractor.	Yellow highlighted items are considered urgent and should be addressed as soon as possible.
		X	2	All areas need to be mulched.	
<u>St. Andrews Blvd. & US 41</u>					
<u>In bound R/W South</u>		X	19	12 Allamanda shrubs are dead, died from last heavy cutback or in a declined state and need replacement. 3 – gal. size, prune dead wood out of all shrubs and provide count for replacements. Deadwood shrubs	Provide proposal.
<u>Out bound R/W North</u>		X	18	Based upon continued decline and decline after heavy pruning it is recommended the following be implemented. Eastward between the controller and the Royal palm and 10 feet beyond the palm remove Allamanda and install 38- 3 gal., Variegated Arborciola 'Trinette' shrubs, 20 feet west of second Royal palm and between the palm and the Oak tree remove Allamanda and replace with 35- 3 gal. Variegated Arboricola 'Trinette' . 40 Allamanda shrubs are dead, died from last heavy cutback or in a declined state and need replacement. 3 – gal. size, prune dead wood out of all shrubs and provide count for replacements.	Provide proposal. M&A: 09-22-14 Recommend putting area on hold until after building construction.
<u>St. Andrews Blvd.</u>					
<u>Median #1</u>		X		Annual Plantings	Planting Options: 1. Keep existing plants and add replacements approx. (100+/- red). Hand prune existing plants to uniform level and treat for fungus and then fertilize for bloom & growth.. 2. Remove existing plantings and replant with magenta and lavender Sunpatiens as the middle field and an outside border of Alyssum (Baby;s breath, white).

Design * Environmental Management * Planning * Arborist

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					3. Remove existing plantings and install Coleus with two rows of Beckswiths Gem outside border and Burgundy Sun in the middle field.
		X		Auto accident outbound side of median. (photo)	Provide proposal.
		X	6	15' x 4' turf area located on the inbound side at light post needs to be replaced.	
Median #2		X	8	In the middle of the median at the Black olive tree there are two areas of declined Liriope plants. It is recommended to remove these plants and replace with 3 gal. size Variegated Arborcola shrubs. (11) on the south side and 19 on the north side.	Provide proposal.
Median #3		X		West end Crown of thorns were run over. Approx. 24 plants damaged.	Provide proposal.
		X	8	East end of median the Crown of thorn were run over. Remove damaged and provide replacements in 1 gal. size.	Provide proposal., M&A: 10-20-14 remove weeds.
Median #4					
Median #5		X	2	Auto accident at light pole. (photo)	
Median #6		X	14	Replacement Holly tree at Plumbago bed has defoliated from water stress. Review and replace.	M&A: This tree is starting to regrow, but would be considered less than a number one grade tree. Replacement by the contractor is still recommended.
Median #7					
Median #8					
Median #8A					
Median #9					
		X	7	At Address 367: Auto accident on east end of median. Remove all Juniper and Bougainvillea up to damaged Foxtail palm and replant. Provide count for replacements. (Photo)	2/16/15 M&A: Small plants replaced palm needs to be removed and replaced.
Median #10					
Forrest Hills Blvd					
Median #11					
Median #12		X	2	At address 432 auto has run into Bougainvillea shrubs. Review to remove damaged plants and foliage so to provide count for replacements. 3 gal. size "Helen Johnson"	
		X	5	At address 426: Auto accident, concrete light pole, Bougainvillea and Holly are damaged. Plant damage includes (1) 5" cal. 16' to 18' Ht. Holly tree and approx. (15) dwarf Bougainvillea "Helen Johnson" replace with 3 gal. size. (photo)	M&A: 11-17-14 Concrete street light pole has been replaced. Clean up and replanting can begin. M&A: 02-16-15 Holly tree bark wounds are healing and tree is straight. Replacement at this time is not needed.
Forrest Hills Cart Crossing & Lake					
Valley Stream Cr. Median #13		X		Prune out dead stalk on east side.	

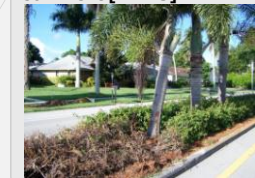
Comment [MM1]:



Comment [MM2]:



Comment [MAM3]:



Comment [MAM4]:



Comment [MAM5]:

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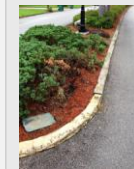
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Pebble Beach Blvd.					
Median #14					
Median #15		X	27	Plant (2) – 3 gal. dwarf Bougainvillea 'Helen Johnson' shrubs at second Foxtail palm from south end.	If already included in previous proposal then plant. If not provide proposal and install with lighting project replacements.
Median #16		X	18	Auto damage to Juniper on north end. Remove damaged, 6 – 3 gal. needed. Check sunken area at valve box to make sure there are no leaks. (photo)	Provide proposal. Hold until committee advises.
Median #17		X	4	At address 111: Auto accident, (8+/-) Bougainvillea 'Helen Johnson' 3 gal. need to be installed. (photo)	M&A: 02/16/15 Remove damaged materials and provide count for replacements. 3 gal. size.
		X	15	Add (5) 3 gal. dwarf Bougainvillea in bed just south of light pole #15.	Provide proposal.
Median #18		X	28	South end Bougainvillea bed at first Ilex tree replace (2) 3 gal. dwarf Bougainvillea 'Helen Johnson' shrubs.	Provide proposal.
		X	27	South end Bougainvillea bed at third Foxtail palm replace (2) 3 gal. dwarf Bougainvillea 'Helen Johnson' shrubs.	If already included in previous proposal then plant. If not provide proposal and install with lighting project replacements.
Median #19					
Pebble Beach Blvd. Golf Cart Crossing		X	7	Remove weeds in Crown of thorns.	
		X	7	Mulch replaced Crown of thorns on northwest side of cart path.	M&A: 12-15-14 Mulch all beds at cart crossing
		X	18	Review for replacements the Crown of thorn bed at the southeast corner of crossing.	Provide proposal.
Thorncrest Ln. cul-de-sac #20					
Briarcliff Ln. Cu-de-sac #21					
Heather Grove Ln. Cul-de-sac #22					
Baltusrol Signs		X	3	On north side re-mulch area	
		X	35	Provide proposal to install (2) 1- gal. Small leaf red crown of thorn on north side.	If already included in previous proposal then plant. If not provide proposal and install with lighting project replacements.
Doral Cr.					
East R/W		X		Street light lens on bridge wall need cleaning.	
		X	6	R/W bridge walls need to have dirt removed. (photo)	M&A: 10-20-14 It is recommended to pressure clean all pavers sidewalks, bench location, bridge walls & walks, valley gutter and curbing roadway crossing. Provide pricing to seal pavers after cleaning. M&A: 01/19/15 Built up dirt is at base of wall along pavers. Remove dirt to

Comment [s26]:



Comment [MAM7]:



Comment [MAM8]:



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		X	6	Clean sand and dirt off east edge of paver walkway. It is recommended to regrade Podocarpus hedge mulch area adjacent to the paver sidewalk so to stop dirt washing over edge.	expose weep holes.
	X	X	18	Southernmost Tabebuia tree has been removed during utility construction.(photo)	M&A: 10-20-14 The existing replacement tree is not the correct species of Tabebuia. The replacement tree is Tabebuia caraiba or Silver Trumpet tree which has yellow flowers. The species that was removed and matches the surrounding existing trees is Tabebuia chrysotricha or Gold Trumpet tree which has yellow/gold colored flowers. The replacement tree that was planted would be considered a cull under the Florida Grades & Standards tree rating. This grade of tree is not accepted under current County standards or specifications.
West R/W		X		Street light lens on bridge wall need cleaning.	
		X	4	Podocarpus hedge needs mulch.	
		X	5	Prune all trees overhanging the Podocarpus hedge back to the fence. The shade created by these tress and/or shrubs will cause the Podocarpus hedge to thin its foliage.	
		X	18	Treat turf for broadleaf weeds as soon as weather permits. Area heavily invested with weeds and should be re-sodded.	
Median #23		X	16	Provide proposal to plant a 14'-16' oa. Ht.Tabebuia chrysotricha, Gold Trumpet Tree in location where palm was removed.	Provide proposal. On hold until after utility construction. M&A: 10-20-14 It was recommended multiple meetings back to install a Tabebuia tree where one of the palms trees was removed because of Ganoderma. It is recommended to proceed now that construction is over.
Median #24 Treasure Point Cul-de-sac		X		One Sabal palm needs to be replaced.	
		X	4	Bougainvillea shrubs appear water stressed.	M&A; 12-15-14 recommend additional watering.
Fertilization:	X	X		Review FY14-15 recommended fertilization schedule for next fertilization requirement.	
Reuse Pump Station- Warren St.		X		Antenna cable needs to be refastened to the pole. Recommended using stainless steel adjustable pipe clamps.	
		X	11	Mulch area around pump station.	
				Pump station water use and system scheduling still being reviewed by consultant and County Irrigation Project Manager. January 2015: Potable water use 0 gallons, Reuse water 266,889 gallons.	

Comment [MAM9]:



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Potable Meter Valley Stream Cr.		X		The typical water use based upon the Master Operating Schedule and Water Use is projected at 3,600 gallons for three days per week at 30 minutes per zone.	M&A: 11-17-14 October's water use is 10,049.82 gal. M&A: 12-15-14 November's water use is 18,749.58 gal. M&A: 01-19-15 December 2014 water use 9,486 gal. M&A: 02-16-15 January 2015 water use 16,845 gal.
Irrigation General:					

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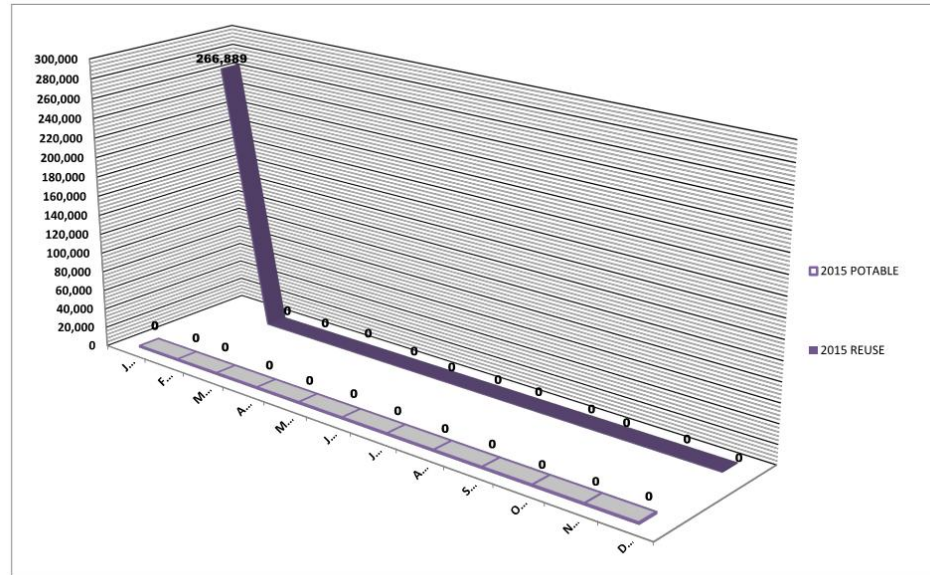
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Lely Golf Estates Beautification MSTU Reuse Mixing Chamber Annual Water Use thru 1/15



Notes: 2014 Total Water Use: Reuse-2,336,976 gallons, Potable- 0

2/16/2015

Warren Street Mixing Chamber Water Use Data: 01/2015								
DATE	DAY	TIME	REUSE PSI	POTABLE WATER METER READING (X 1000)	POTABLE WATER USE GALLONS	REUSE WATER METER READING (X x 100)	REUSE WATER USE GALLONS	TOTAL WATER APPLIED
1/1/2015	TH	11:00 AM	7.5	2,945.20	0	4,404,465.50	0	4,404,465.50
1/5/2015	M	9:00 AM	8	2,945.20	0	4,438,331.00	33,865.50	33,865.50
1/12/2015	M	9:30 AM	8.5	2,945.20	0	4,500,583.00	62,252.00	62,252.00
1/19/2015	M	1:00 PM	7	2,945.20	0	4,566,111.00	65,528.00	65,528.00
1/26/2015	M	11:00 AM	8	2,945.20	0	4,607,667.00	41,556.00	41,556.00
2/1/2015	SU	5:30 PM	8	2,945.20	0	4,671,354.00	63,687.00	63,687.00
JANUARY 2015 TOTALS:					0.00		266,888.50	266,888.50
PERCENTAGE OF TOTAL VOLUME USED					0.0%		100.0%	

Valley Stream Circle Water Use Data: 01/2015								
DATE	DAY	TIME	STATIC POTABLE WATER PSI	POTABLE WATER METER READING (X x 100)	POTABLE WATER USE GALLONS	STATIC BERMAD PSI	BERMAD WATER METER READING (X x 100)	BERMAD POTABLE WATER USE GALLONS
1/1/2015	TH	11:00 AM	86	174555.56		26	67,033.89	
1/5/2015	M	9:00 AM	86	176440.48	1884.92	28	67,051.47	1758
1/12/2015	M	9:30 AM	86	180200.30	3759.82	26	67,087.59	3612
1/19/2015	M	1:00 PM	86	183950.71	3750.41	18	67,122.51	3492
1/26/2015	M	11:00 AM	88	188150.47	4199.76	22	67,162.47	3996
2/1/2015	SU	5:30 PM	84	191400.10	3249.63	22	67,190.59	2812
JANUARY 2015 TOTALS:					16,844.54			15,670.00

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LELY GOLF ESTATES MSTU FY 14-15 MINIMUM FERTILIZATION SCHEDULE			
Plant Type	Turf / St. Augustine	Palms, Shrubs & Grn. Covers Beds	Blooming Plants
Areas	(7,000 S.F. +/-)	(13,500 S.F. +/-)	(43,800 S.F. +/-)
Month			
10/1/2014	8-2-12-180 (Florikote Palm Special) 25 lb. per 1000 S.F. (4 - 50 lb.bags) (Applied N= 2.0 lbs./1,000 SQ. FT.)	8-2-12-180 (Florikote Palm Special) 15 lb. per 1000 S.F. (4 - 50 lb.bags) (Applied N= 1.2 lbs./1,000 SQ. FT.) 5 & 10 lbs. per Palm tree (25 - 50 lb.bags)	14-14-14-90 7 lbs. per 1000 S.F. (6 - 50 lb. bags)
11/1/2014			20-20-20 2.5 lbs./25 gal. H2O per 1000 S.F. (108 lbs.)
12/1/2014	OPTIONAL: 21-0-0 2.2 lbs. per 1000 S.F. (1 - 25 lb. bags)		
1/1/2015			14-14-14-90 7 lbs. per 1000 S.F. (6 - 50 lb. bags)
2/1/2015			20-20-20 2.5 lbs./25 gal. H2O per 1000 S.F. (108 lbs.)
3/1/2015			
4/1/2015	8-2-12-180 (Florikote Palm Special) 25 lb. per 1000 S.F. (4 - 50 lb.bags) (Applied N= 2.0 lbs./1,000 SQ. FT.)	8-2-12-180 (Florikote Palm Special) 15 lb. per 1000 S.F. (4 - 50 lb.bags) (Applied N= 1.2 lbs./1,000 SQ. FT.) 5 & 10 lbs. per Palm tree (25 - 50 lb.bags)	14-14-14-90 7 lbs. per 1000 S.F. (6 - 50 lb. bags)
5/1/2015			
6/1/2015			
7/1/2015			
8/1/2014	0-0-22 SPM 1 lb. per 100 S.F. (1 - 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. (9 - 50 lb. bags)
9/1/2015			
Blooming Plants - Bougainvillea, Fire Bush, Thryallis, Plumbago, Crown of Thorn			
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.			
Alexander, Foxtail & Queen palms: 5 lbs. per palm, Paurotis & Royal palms: 10 lbs. per palm			