

McGee & Associates

Landscape Architecture

Project: LELY GOLF ESTATES BEAUTIFICATION, M.S.T.U.

Landscape Observation Report: August 2015 – September 2015

Location: MSTU DISTRICT ROADWAYS

Project Manager: Leslie Hayes, MSTU Project Manager (P.M.), C.C.P.S.D. – P.T.N.E. Division

Consultant: McGee & Associates

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

Contractor: Commercial Land Maintenance

Contractor's Representative: Robert Kindelan

Report Date: FY14-15, 09/21/15

Observation Date: 09/21/15

Report No. 12

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
All locations		X		Sabal palms need to be scheduled for the annual pruning to remove dead fronds and seed stalks.	
St. Andrews Blvd. & US 41					
In bound R/W South					
Sign		X		Bougainvillea need to be tip pruned down to one level and pruned away from sign and street light fixtures. Also large weeds need to be removed.	
	X			2nd sign light fixture from roadside end has been knocked over and is laying on the ground.	
Between sign and shopping center driveway		X	2	(8) Alexander palms need seed stalks removed.	
		X	2	Paurotis palm foliage and stems need to be pruned back or cut off to provide a minimum one foot clearance off the edge of the sidewalk.	
US 41 to 2nd newsstand Driveway		X	2	On road side of sidewalk all turf areas are 95 to 100% weeds and needs to be removed and replaced.	M&A: 09/21/15 From the US 41 sign to the newsstand area driveway all the turf needs to be removed and replaced due to weeds.
		X	5	It is recommended at the previous accident location in the second bed of Bougainvillea Silhouette that (6) 3 gal. plants be replaced and (1) Alexander palm with 10 Ft. Clear trunk.	P.M. 8-12-15 Submit proposal
Shopping center side of sidewalk		X	2	Deadwood the Bush Allamanda shrubs (12) plants missing or dead.	
		X	2	(6) Alexander palms need seed stalks removed.	
		X	2	White Fountain grass is still in Muhly grass at driveway.	
Newsstand Area		X	2	A 24' x 3' area of previous St. Augustine turf is all weeds and should be removed and the area replanted with a double staggered row of Blueberry Flax lily (13) 1 gal. size. Ground elevation should also be lowered to accept mulch after planting.	

Design * Environmental Management * Planning * Arborist

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		X	2	(2) Alexander palms need seed stalks removed.	
Out bound R/W North					
Sign		X		Bougainvillea need to be tip pruned down and to one level and away from sign light fixtures.	
		X		Bougainvillea Silhouette needs to be pruned off edge of sidewalk.	
		X		Prune Paurotis palm two feet off edge of sidewalk. Remove stem that is contact with the controller antenna.	
US 41 to Suncoast Credit Union Driveway		X	2	(9) Bougainvillea in front of sign are missing or damaged. Provide 3 gal. size replacements	
Suncoast Credit Union side of sidewalk		X	2	Remove all turf along sidewalk edge and mulch areas.	
		X	2	Shrub plantings are in need of renovation due to past Suncoast Credit Union construction.	
		X	6	Remove dead foliage out of Flax lily.	
		X	7	Prune Oak tree branches and Paurotis palm so that the canopy or foliage is 10 feet above the sidewalk.	M&A: 4-201-5 Oak tree branches need pruning to 10 ft. level over sidewalk.
Road side of sidewalk		X	2	All turf area are 95 to 100% weeds. Remove and replace.	M&A: 09/21/15 From US 41 to Suncoast driveway all turf areas need to be removed and replaced due to weeds.
St. Andrews Blvd. Median #1		X		Review irrigation rotor head just off light pole #2. nozzle is not retracting.	
		X	2	Deadwood Glory bush tree. Tree also needs canopy pruning for structure and thinning.	
		X	2	Tabebuia trees need canopy pruning for structure and thinning.	
		X	5	Prune diseased foliage out of the Crinum lily plants. Spray plants for leaf spot fungus.	
		X	14	15' x 4' turf area located on the inbound side at light post needs to be replaced.	M&A: 6/22/15 Bad turf area has increased by double. P.M. 8-12-15 Submit proposal, M&A: 8/24/15 over 30% of the turf area in this median has been previously water stressed and/or contains broadleaf and sedge type weeds. Removal & replacement is recommended. M&A:09/21/15 All the turf in median from the flag poles eastward need to be removed and replaced due to weeds.
Median #2		X	3	Broadleaf type weeds are spreading in the turf.	M&A: 8/24/15 Over 50% of the turf area in this median is in decline, dead or has broadleaf and sedge type weeds. Recommend to remove and replace.
		X	4	Hand remove and/or spray Crown of thorn for weeds.	

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		X	4	Prune diseased foliage out of the Crinum lily plants. Spray plants for leaf spot fungus.	
		X	5	Small turf area on south side of median needs to be reviewed for replacement.	M&A: 6/22/15 The bad turf areas in this median as increased to about 370 sq. ft. that needs to be replaced. P.M. 8-12-15 Submit proposal
Median #3		X		Bougainvillea were not pruned last service week and need to be pruned this week.	
		X	2	Torpedo grass weed still exist in Bougainvillea shrubs under Sabal palms on east end.	
		X	4	20' long x median width turf area is full of broadleaf weeds.	M&A: 8/24/15 147 L.F. area of turf between the Bougainvillea and Plumbago contains dead spots and various broadleaf and grass type weeds. Recommend reviewing for removal and replacement and spray treatment for broadleaf and sedge type weeds. M&A: 09/21/15 All the turf in the median should be removed and replaced due to weeds.
		X	8	West end Crown of thorns were run over. Approx. 24 plants damaged.	Provide proposal. M&A: 4-20-15 Replacements are on hold until Committee reviews Crown of thorn plantings. M&A: 5/18/15 Replacements on hold until Committee reviews renovated planting options. M&A: 6/22/15 Proceed to replace missing Crown of thorn per committee. Submit proposal if not already. P.M. 8-12-15 Submit proposal
		X	15	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. M&A: 4-20-15 Replacements are on hold until Committee reviews Crown of thorn plantings.. M&A: 6/22/15 Proceed to replace missing Crown of thorn per committee. Submit proposal if not already. P.M. 8-12-15 Submit proposal
Median #4		X		Bougainvillea were not pruned last service week and need to be pruned this week to enhance sight lines.	
		X	2	Asparagus fern plant in Juniper on the east end needs to have herbicide applied and then removed.	
Median #5		X		Bougainvillea were not pruned last service week and need to be pruned this week to enhance sight lines.	
		X	2	Replacement Juniper plant on west end is dead and needs to be replaced again.	
		X	2	At address 152: Remove Asparagus fern out of Firebush, Lightning strike on adjacent Washingtonia palms has caused two branches of the Queen's crape myrtle tree to have dead foliage. Recommend reviewing to see if foliage falls and resets.	
		X	2	At address 164: (10) replacement Juniper are dead and need to be replaced. (3)	

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				additional existing plants that were damaged also need to be replaced. It is recommended to remove all Juniper between the Queen's crape myrtle tree and the plumbago at the new light pole and then regrade and install (21) 3 gal. size Junipers. Trash and auto accident debris needs to be removed from within Juniper plants. Holly trees needs branches cutback and/or removed out of travel lanes. (1) Foxtail on west end need seed stalk removed.	
		X	3	At address 164: Review and remove tree staking that is broken and/ not properly installed	
Median #6		X		Bougainvillea were not pruned last service week and need to be pruned this week to enhance sight lines.	
		X	2	Bougainvillea shrubs from the east end toward the west should be pruned and maintained at Juniper plant level for sight line purposes.	
		X	2	At address 231-232: remove tree staking.	
		X	2	At address 243: Holly tree needs branches cutback and/or removed out of travel lanes.	
		X	2	Bougainvillea and Firebush shrubs on the east end of median need to be pruned down to 24" ht. to improve line of sight from Pine Valley Cr. and St. Andrews Blvd.	
Median #7		X		Bougainvillea were not pruned last service week and need to be pruned this week to enhance sight lines.	
Median #8		X		Bougainvillea were not pruned last service week and need to be pruned this week to enhance sight lines.	
		X	6	Torpedo grass in Plumbago and Bougainvillea.	M&A: 8/24/15 it is recommended that a rejuvenation pruning cut be performed on the Plumbago and Bougainvillea to remove the Torpedo grass weeds.
Median #8A					
Median #9		X		Bougainvillea were not pruned last service week and need to be pruned this week to enhance sight lines.	
		X	2	From address 367 to 355 Bougainvillea shrubs need to be pruned down to Juniper height for sight line purposes.	
		X	4	Schedule canopy lift pruning for Queen's Crape myrtle tree at address 376 & 355.	
Median #10		X		Bougainvillea were not pruned last service week and need to be pruned this week to enhance sight lines.	
		X	5	The easternmost Holly tree needs canopy lifted 3 ft. +/-	
Forrest Hills Blvd					
Median #11					
Median #12		X	2	(1) replacement Juniper on north end is dead and needs to be replaced. Active spider	

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				mites were observed.	
		X	2	At the recent light pole replacement location (10) replacement Bougainvillea are extremely water stressed, as well as need to be mulched.	M&A: 09/21/15 One replacement Bougainvillea needs to be replaced.
		X	5	3 rd Holly tree from North end needs canopy lifted 3 ft. +/-	
		X	6	At address 426 Torpedo grass in Bougainvillea.	
Forest Hills Cart Crossing & Lake		X		Recommend tip pruning to one level all beds of the red Crown of thorn.	
		X	3	Review Sand Cordgrasses for insect activity and treat as soon as possible.	M&A: 8/24/15 (8) Sand Cordgrass plants are missing or dead and need to be replaced. 3 gal. size. M&A: 09/21/15 Perform an biannual pruning of the grasses and then treat for insects.
		X	4	Provide pricing based upon attached plans.	M&A: 07/20/15 Amend Concept B plan to remove Neogregelia 'Margaret' bromeliads. Plants are not full sun tolerant. P.M. 8-12-15 Submit proposal
		X	5	Review all beds on each side of the cart crossing for mulch.	
		X	7	Remove Foxtail palm seed stalks.	M&A: 8/24/15 (2) Foxtail palms on south R/W at cart path need seed stalks removed.
		X	7	Review Xanadu beds for replacements along lake R/W.	M&A: 4-20-15 Remove (3) declining and replant bed with (10) 3 gal. plants. treat plants for root fungus and fertilize after treatment. P.M. 8-12-15 Submit proposal
Valley Stream Cr. Median #13		X	2	There are large areas of previously water stressed turf that have dead spots and contain broadleaf and sedge type weeds. Remove and replace turf areas. Treat areas for weeds. The large areas of previous water stressed turf would be considered a direct result of the July monthly water use of only 21 gallons.	M&A: 09/21/15 It is estimated about 885 S.F. of turf in the median is in decline, contains weeds or is missing and needs to be replaced.(photo)
		X		Remove dead Paurotis palm stem on east side of median.	
Pebble Beach Blvd.					
Median #14		X		Bougainvillea were not pruned last service week and need to be pruned this week to enhance sight lines.	
		X	2	At address 16: (1) Foxtail palm needs seed stalk removed.	
Median #15		X		Bougainvillea were not pruned last service week and need to be pruned this week to enhance sight lines.	
		X	2	Unfortunately the existing Bromeliad plantings have not turned out to be successful over a long period of time with the full sun exposure. Direct sun exposure has caused stress on the plants thus allowing them to become easily acceptable to fungus diseases. Based upon the existing conditions of both beds it is recommended to remove the plants and consider new plantings based upon the 4/20/15 "Recommended Ground Cover List" less any of the Neoregelia spp. Bromeliads. The Aechmea spp. are the only	P.M. 8-12-15 Submit proposal. M&A: 09/21/15 remove all declined or dead Bromeliads from both ends for future replantings.



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				bromeliad plants still recommended for full sun planting. We have contacted the grower Bullis Bromeliads with regards to the issues that have occurred based upon their website's recommendation that the bromeliads used were recommended by them as full sun bromeliads. We have requested they remove that information from their website.	
Median #16		X		Bougainvillea were not pruned last service week and need to be pruned this week to enhance sight lines.	
		X		On north end one replacement Juniper is dead and needs to be replaced.	
		X	2	At address 56: Torpedo grass in Juniper.	
		X	6	At address 59 & 64 Bougainvillea contain Torpedo grass. At address 56 Juniper contain Torpedo grass.	
Median #17		X		Bougainvillea were not pruned last service week and need to be pruned this week to enhance sight lines.	
		X	3	At address 108: Remove vines growing in Bougainvillea shrubs.	
		X	6	At address 119-124: Spray Tabebuia trees with a Copper based fungicide to remove Tillandsia spp./ Air plants.	M&A: 09/21/15 Hand remove remaining Tillandsia from trunk and branches.
Median #18		X		Bougainvillea were not pruned last service week and need to be pruned this week to enhance sight lines.	
		X		North and south ends have Foxtail palms that seed stalks need to be removed.	
		X	33	South end Bougainvillea bed at first Ilex tree replace (2) 3 gal. dwarf Bougainvillea 'Helen Johnson' shrubs.	Provide proposal. P.M. 8-12-15 Submit proposal
Median #19		X		Bougainvillea were not pruned last service week and need to be pruned this week to enhance sight lines.	
		X	2	At address 175: (1) foxtail palm needs seed stalk removed.	
		X	2	At address 210: Bougainvillea shrubs and Juniper have been run over on the south side. Approx. 4-5 Juniper and 5-6 Bougainvillea have been damaged. remove dead or broken foliage and provide count for 3 gal. size replacements.	
Pebble Beach Blvd. Golf Cart Crossing		X	2	On southeast corner at cart path (1) Foxtail palm needs seed stalk removed.	
		X	4	Provide proposal to remove remaining existing Crown of thorn and replant four areas with Blueberry Flax Lily in 1 gal. size containers. (15) on northeast side of cart path, (14) on northwest side of cart path, (21) on southwest side of cart path and (15) on southeast side of cart path.	P.M. 8-12-15 Submit proposal
		X	23	Review for replacements the Crown of thorn bed at the southeast corner of crossing.	Provide proposal. M&A: 4-20-15 Replacements are on hold until Committee reviews Crown of thorn plantings.
Thorncrest Ln. cul-de-sac #20					

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Briarcliff Ln. Cu-de-sac #21		X	5	There about 25 plants that are dead missing or heavily declined and need to be replaced.	Review for count and provide proposal. P.M. 8-12-15 Submit proposal
Heather Grove Ln. Cul-de-sac #22		X	5	There about 6 plants that are dead missing or heavily declined and need to be replaced.	Review for count and provide proposal. P.M. 8-12-15 Submit proposal
Baltusrol Signs		X	41	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. M&A: 4-20-15 Replacements are on hold until Committee reviews Crown of thorn plantings. P.M. 8-12-15 Submit proposal
Doral Cr.					
East R/W		X	4	Liriope at benches have Torpedo grass in them.	
West R/W & Rattlesnake Hammock Rd.		X		The entire turf area along the outside edge of the sidewalk needs to be removed and replaced due to weeds. An alternate to turf replacement is to remove turf and install (120) - 1-gal. size Blueberry Flax lily in a double staggered row planting.	
		X	2	Live Oak, Silver Buttonwood and Carrotwood trees hanging over the Podocarpus hedge on the east end along Rattlesnake Hammock need to be pruned back and/or upward to remove the canopy over the hedge.	
		X	2	Eastern 1/3 of Podocarpus hedge along Rattlesnake Hammock needs to have the pruning finished.	
		X	2	All Podocarpus hedge needs to be pruned to level shrubs along the tops. Prune tops of Podocarpus hedge at Community Neighborhood Watch sign on west R/W adjacent to median #23.	
		X	6	Remove Foxtail palm seed stalks.	M&A: 6/22/15 Missed 4th Foxtail from Doral on Rattlesnake Hammock.
		X	9	Podocarpus hedge needs mulch.	
		X	11	Prune all trees overhanging the Podocarpus hedge back to the fence. The shade created by these trees and/or shrubs will cause the Podocarpus hedge to thin its foliage.	M&A: 3/23/15 Carrotwood Tree
Median #23		X		Treat ant mound at base of irrigation controller.	
		X	2	Prune Crown of thorns away from light pole base to edge of concrete footing.	
		X	2	Install steel rebar support on first riser sprinkler head from south end. Review all other for the same.	
		X	2	Prune off Jatropha branches that are in contact with the light pole on south end.	
		X	3	Please monitor the northernmost Foxtail palm because it has no apparent center (spear like) from emerging from the bud.	
		X	3	(4) 1 gal. Lantana montevidensis need to be installed in bed on north end of median.	P.M. 8-12-15 Submit proposal

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				Lavender Weeping' color is recommended.	
		X	4	Two Ixora plants need to be replaced toward south end of median.	Provide proposal. P.M. 8-12-15 Submit proposal
		X	21	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. P.M. 8-12-15 Submit proposal
Median #24 Treasure Point Cul-de-sac		X		To be consistent with the other medians it is recommended to stencil on the curbing the median number (24).	
		X	4	One Sabal palm is dead and needs to be replaced and one dwarf Bougainvillea is missing.	
Fertilization:		X		Review FY14-15 recommended fertilization schedule for next fertilization requirement.	
Reuse Pump Station- Warren St.		X		Recommend cleaning and/or repainting pump station protective bollards.(photo)	
		X	2	Pump station water use and system scheduling still being reviewed by consultant and County Irrigation Project Manager. August 2015: Potable water use 2,461 gallons, Reuse water 183,167 gallons.	M&A: 8/24/15 Irrigation programing needs to be reviewed. Meter readings for the past week show the potable water use of 1,560 and a reuse water use of 75,836 gallons. This is not normal use for this period of time.
Potable Meter Valley Stream Cr.				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: 08/03/15 July 2015 water use 21 gal. M&A: 09/21/15 August 2015 water use 5,079 gal.

Comment [MM3]:



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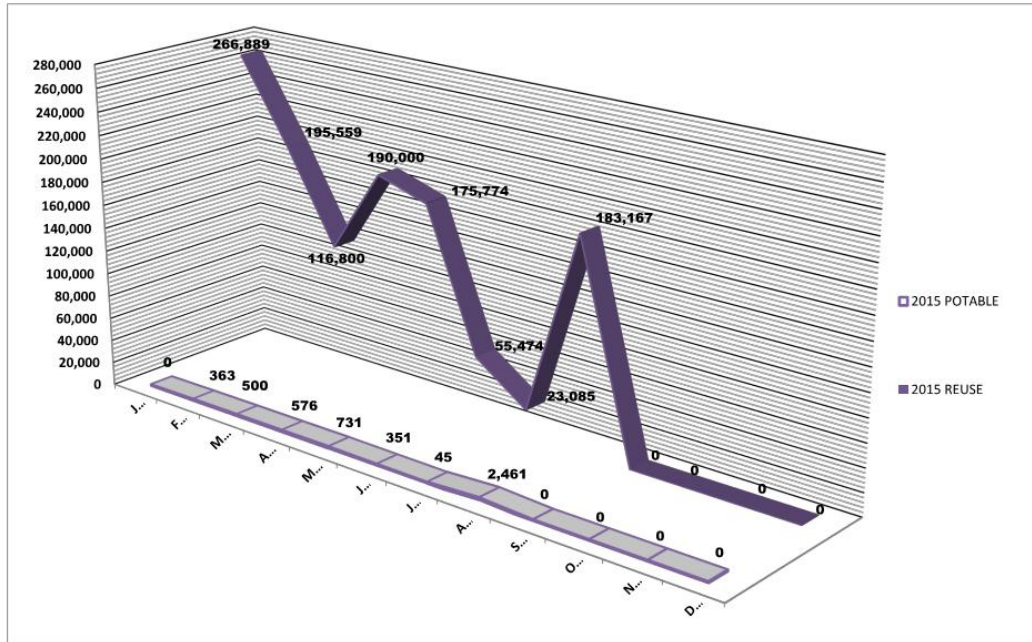
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Lely Golf Estates Beautification MSTU Reuse Mixing Chamber Annual Water Use thru 7/15



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

9/21/2015

DATE	DAY	TIME	REUSE PSI	POTABLE WATER METER READING (X 1)	POTABLE WATER USE GALLONS	REUSE WATER METER READING (X x 100)	REUSE WATER USE GALLONS	TOTAL WATER APPLIED
8/3/2015	M	9:30 AM	5.5	2,515.10		5,427,233.00		-
8/10/2015	M	8:40 AM	6	2,528.08	12.98	5,435,800.00	8,567.00	8,579.98
8/17/2015	M	9:00 AM	5	2,643.59	115.51	5,443,464.00	7,664.00	7,779.51
8/24/2015	M	8:50 AM	5	4,204.00	1,560.41	5,519,300.00	75,836.00	77,396.41
9/1/2015	T	9:00 AM	3	4,976.25	772.25	5,610,400.00	91,100.00	91,872.25
AUGUST 2015 TOTALS:					2,461.15		183,167.00	185,628.15
PERCENTAGE OF TOTAL VOLUME USED					1.3%		98.7%	

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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: Ferramec 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			

Valley Stream Circle Water Use Data: 08/2015								
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
8/3/2015	M	10:30 AM	94	253421.19		60	67,779.19	
8/10/2015	M	8:40 AM	92	253421.19	0	58	67,779.19	0
8/17/2015	M	11:00 AM	94	253421.19	0	58	67,779.19	0
8/24/2015	M	8:50 AM	94	255990.00	2569	62	67,802.38	2319
9/1/2015	T	9:50 AM	90	258500.25	2510	68	67,826.07	2369
AUGUST 2015 TOTALS:					5,079			4,688