

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: McGee & Associates

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

Contractor: Hannula Landscaping & Irrigation Inc.

Contractor's Representative: Dale Hannula

Report Period: FY 16-17, May 2017

Report No.: Seven

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: 5/02-08/17 | | | | | 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. |
| Median 1, 2, 3, & 6 | | | X | 20 | There exist multiple small areas of turf that have declined and thinned to the point that replacement is recommended. The decline would be due to previous water stress from sprinkler issues, chinch bug insects, and/or broadleaf weed control that removed the weeds. | M&A: 11/11/15 Second application of herbicide needed. M&A: 03/09/16 Additional broad leaf weed spot treatments are needed in the turf areas. M&A: 10/07/16 As soon as cool weather permits an application of broadleaf weed control should be applied, and a multi-month program implemented. |
| Median #1 | | | X | 4 | Prune dead and/or brown foliage out of Juniper plants at all locations. | |
| | | | X | 4 | There exist considerable areas within the turf invested with weeds and/or dead spots. | |
| | | | X | 16 | 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 | 19 | Plumbago is water stressed. Recommend adding two sprinkler heads on risers and with rebar supports in the center of the bed. Sprinklers should have 4' by 15' center strip nozzles. | |
| | | | X | 29 | Two Juniper plants have been damaged and need to be replaced with 3 gal. size. | |
| Median #2 | | | X | 4 | Prune dead and/or brown foliage out of Juniper plants all locations | |
| | | | X | 5 | Address 2112: Replant (13) dwarf Bougainvillea 'Helen Johnson' 3 gal. size at location where water service repair occurred. | |
| | | | X | 12 | At address 2236: Dead turf area on east side of median apparently due to irrigation coverage issue. (5' x 40') | |
| | | | X | 13 | At address 2190- 2196: Dead turf area on east side of median apparently due to irrigation coverage issue. | |

Commented [MM1]:



Design * Environmental Management * Planning * Arborist

5079 Tamiami Trail East / P. O. Box 8052 Naples, Florida 34101

Phone (239) 417-0707 * Fax (239) 417-0708

LC 098 * FL 1023A

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Landscape Architecture

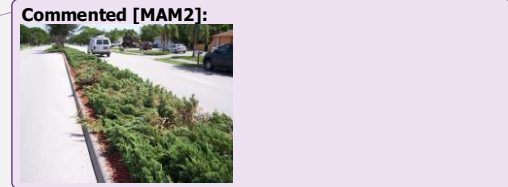
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| | | | X | 15 | At address 2224 & 2236: Dead turf area on east side of median apparently due to irrigation coverage issue. | M&A: 7/13/16 Proposals being solicited. M&A: 8/8/16 Replacements approved and installation being scheduled |
| | | | X | 19 | 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 | 22 | 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 | 39 | 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 | 4 | Prune dead and/or brown foliage out of Juniper plants all locations | |
| | | | X | 13 | There are multiple areas of turf that are dead and/or declining with bare spots. | |
| | | | X | 22 | At address 1900: 10' x 15' turf area is in decline with dead areas. Review for replacement. | |
| | | | X | 31 | 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 | | | X | 15 | Remove dead Flax lily foliage at base of plants. | |
| Median #5 | | | X | 15 | Prune south end Oak tree branches away from light pole #8. | |
| Median #6 | | | X | 5 | 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 | 10 | 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 | 15 | 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 | 9 | 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 | |



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|--|-----------|----------|----------|----------|---|---|
| | | | | | included in the proposal. | |
| 18th Ave. S.W. Median | | | X | 35 | Auto accident has removed 6 to 8 Bougainvillea plants on northwest side. Review and provide count for replacements. | M&A: 4/14/15 This location will now be listed in this report and not the Collier Blvd. Part B report. |
| | | | | | <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 for June requirements. | |
| Irrigation: | | | X | | The water use total was estimated at 445,617 gallons for March and 422,681 gallons for April. These are the largest amounts of irrigation since recording started in 2012. | |

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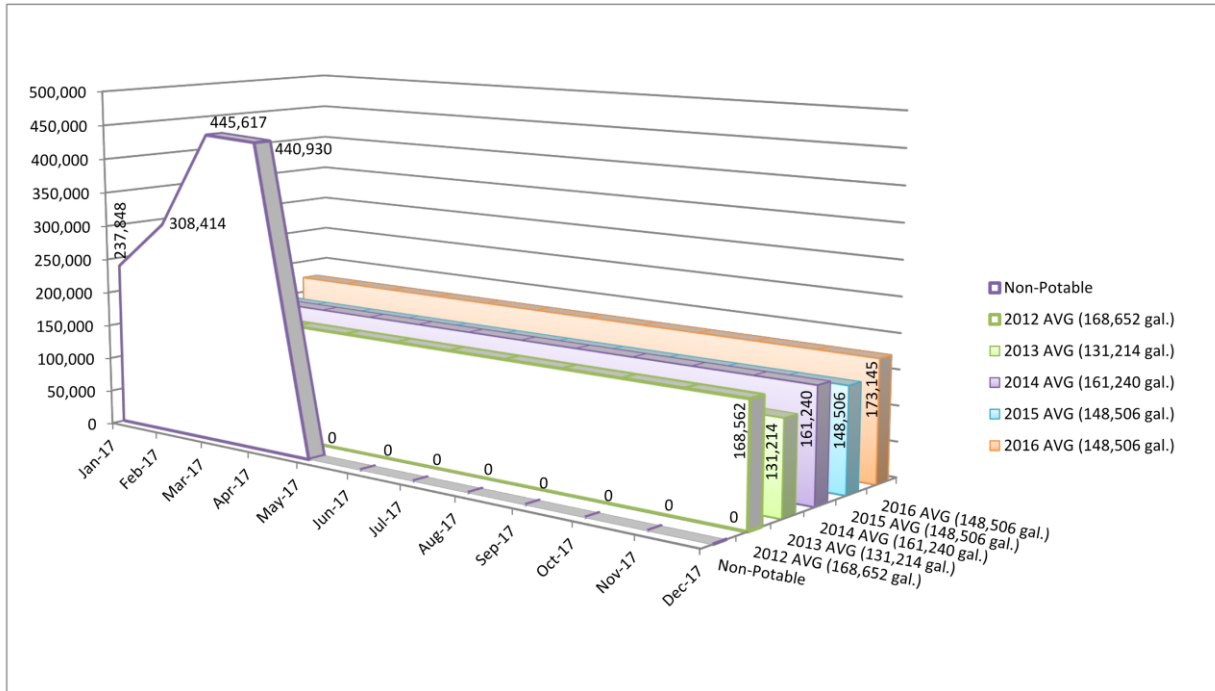
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GG MSTU Sunshine Blvd. Well Annual Water Use for 2017



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

5/8/2017

GOLDEN GATE MSTU FY 16-17 RECOMMENDED FERTILIZATION SCHEDULE - SUNSHINE BLVD.

| Plant Type | Turf / St. Augustine (39,520 S.F.) | Canopy & Palm Trees | Shrubs & Grn. Cover Beds (21,846 S.F.) |
|----------------|---|---------------------|--|
| Jan-17 | | | |
| Feb-17 | 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) |
| Mar-17 | | | |
| Apr-17 | | | |
| May-17 | | | |
| 6/1/2017 | 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) |
| Jul-17 | | | |
| Aug-17 | 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) |
| Sep-17 | Place request for October 2017 | | Place request for October 2017 |
| 10/1/2016-2017 | 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) |
| Nov-16 | | | |
| Dec-16 | | | |

Optional- At maintenance Consultants Recommendation. Blooming Plants - Bougainvillea, Indian Hawthorn, Plumbago, Blueberry Fl
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
Do not apply to any flower buds or blossoms in flower. - indicates period of no Nitrogen or Phos