



# AGENDA

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## TRAILS AND LANDSCAPING COMMITTEE [CITIZENS OVERSIGHT COMMITTEE]

**MONDAY, March 25, 2013**

**7:00 p.m.**

**Hoyer Hall**

**Clayton Community Library City Hall**

*6125 Clayton Road  
Clayton, CA 94517*

### COMMITTEE MEMBERS

Larry Casagrande	Anthony Chippero
Robert Erich	Don Fitzgerald
Ryan Lowe	Harun Simbirdi
Alyse Smith	Clayton Smith
Bob Steiner	Ted Sudderth
Hank Stratford (Ex-Officio)	

- A complete packet of information containing staff reports and exhibits related to each item is available for public review in City Hall located at 6000 Heritage Trail on Monday prior to the Committee meeting.
- Agendas are posted at: 1) City Hall, 6000 Heritage Trail; 2) Library, 6125 Clayton Road; 3) Ohm's Bulletin Board, 1028 Diablo Street, Clayton; and 4) City Website at [www.cityofclayton.org](http://www.cityofclayton.org)
- Any writings or documents provided to a majority of the Committee after distribution of the Agenda Packet and regarding any public item on this Agenda will be made available for public inspection in the City Clerk's office located at 6000 Heritage Trail during normal business hours.
- If you have a physical impairment that requires special accommodations to participate, please call the City Clerk's office at least 72 hours in advance of the meeting at (925) 673-7304.

# **\* TRAILS AND LANDSCAPING COMMITTEE \***

**March 25, 2013**

1. **CALL TO ORDER & ROLL CALL** – Staff.
2. **INTRODUCTION OF NEW COMMITTEE MEMBERS**

3. (a) Selection of Chair for 2013  
(b) Selection of Vice Chair for 2013

4. **PUBLIC COMMENTS ON NON-AGENDA ITEMS**

*Any member from the audience may address the Committee on items within the Committee's jurisdiction, (which are not on the agenda) by completing a speaker card and forwarding it to the Chair. To assure an orderly meeting and an equal opportunity for everyone, each speaker is limited to 3 minutes, enforced at the Chair's discretion. When one's name is called by the Chair, the speaker shall advance to the public podium and adhere to the time limit. In accordance with State Law, no action may take place on any item not appearing on the posted agenda. The Committee may respond to statements made or questions asked, or may request Staff to report back at a future meeting concerning the matter.*

Public comment and input on Consent Calendar, Public Hearing, Action Items and other Agenda Items will be allowed when each item is considered by the Committee.

5. **Background Informational items related to the Trails Landscape Committee**  
(Asst. to the City Manager Hoffmeister and Maintenance Supervisor Janney)

- a) Map of the Landscape Maintenance District
- b) Measure B
- c) Brown Act Overview (public open meeting state law requirements)
- d) Future Trails Improvements and Trails Inventory
- e) Water Conservation Standards Ordinance
- f) Overall Landscape District landscape criteria repair improvements Plan
- g) Tree List for Public Properties and public rights of way (public streets)
- h) Adopt a Trail
- i) TLC Brochure

6. **CONSENT CALENDAR**

*Consent Calendar items are typically routine in nature or informational and are considered for approval by the Committee with one single motion. Members of the Committee, Audience, or Staff wishing an item removed from the Consent Calendar for purpose of public comment, question or input may request so through the Chair.*

- (a) Approval of Action Minutes from the Committee regular meeting of November 19, 2012.
- (b) Landscape Maintenance Staff Activity Report since November 2012.(informational only)
- (c) City Council staff report from March 5, 2013 regarding Clayton Fountain Water Feature pumps Energy Efficiency. (informational only)

7. **CONTINUED/OLD BUSINESS**

- (a) Adopt a Trail Program Status verbal update  
(Committee Member Smith)  
Recommended Action: Consider status of this program and interest in continuing and select new committee members to continue with oversight and coordination of this program.
- (b) Status report of the Deferred Landscape Maintenance District Projects  
(Maintenance Supervisor Janney)  
Recommended Action: Receive report.
- (c) Future Clayton Pioneer articles re: Adopt a Trail and Landscape Maintenance District Status report  
Recommended Action: Consider interest and select committee members to work on this project.

8. **NEW BUSINESS**

- (a) Review of the mid-year budget status for the Landscape Maintenance District for FY 2012/2013 as the Citizens Oversight Committee for Measure B.  
(Asst. to the City Manager Hoffmeister and Maintenance Supervisor Janney)  
Recommended Action: Receive report.

9. Verbal Status Report on the open space invasive nonnative weed abatement contract.  
(City staff)

10. **CORRESPONDENCE** – review of incoming and outgoing correspondence  
*Informational Only*  
None.

11. **COMMITTEE ITEMS** – limited to requests and directives for future meetings:

- (a) Consideration Future Clayton Pioneer TLC column ideas – committee member to write
- (b) Assignment of Committee Report: to the City Council at its April 2, 2013 meeting.
- (c) Future Agenda Items: (all future agendas will include minutes; status on Adopt a Trail; Maintenance Work Status Report for the District; Deferred projects status report)  
May 2013 – proposed landscape District Budget for FY 2013/14  
September/October- FY 2012/13 TLC prepared draft Annual Report  
Jan/Feb 2014 – mid-year budget status; selection of new Chair and Vice Chair
- (d) Committee Member communications – informational items/announcements that TLC members would like to share
- (e) Staff Communications/Announcements –

12. **ADJOURNMENT**– The Committee's next regularly-scheduled meeting is anticipated to be Monday, \_\_\_\_\_, 2013 at 7:00 p.m. in Hoyer Hall, Clayton Community Library. Please contact the City Clerk at 673-7300 to verify actual date.

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**COMMITTEE ROSTER**

Rev. 3/25/2013

**TRAILS AND LANDSCAPING COMMITTEE**Agenda Item: 2

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Agenda Date: 3/25/13

Agenda Item: 3(a)+(b)

## Memo

**To:** Trails and Landscape Committee members  
**From:** Laura Hoffmeister, Asst. to the City Manager  
**Meeting Date:** March 25, 2013  
**Re:** Selection of Chair and Vice Chair for 2013

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### Background:

At the end of December 2012 both the Chair and Vice Chair did not reapply for continuing on the TLC. Therefore as the TLC starts the New Year in 2013 both of the positions are currently vacant and need to be filled.

### Duties:

#### Chair:

The Chairs duties include chairing the TLC meetings, reviewing the draft TLC Agenda which staff has prepared prior to finalization. After the TLC has approved signing the minutes of the meetings that staff has prepared. Signing any other letters or items that may require the Chairs signature related to TLC matters, and preparing the Chairs message for inclusion in the TLC Annual Report.

#### Vice Chair:

The Vice Chair handles the above duties of the Chair in absence of the Chair.

### Procedure:

Given that the seats are vacant procedures at the meeting will be for the staff to ask for nominations/volunteers, once all nominations are identified then will call for a vote for the Chair. The nominee with the most votes provided it is a majority of the votes, then that person will become the Chair. If there is not a majority of votes then the top voted nominees will be re-voted until a nominee received a majority of votes. Staff at that time will then turn the meeting over to the new chair to continue, with the Chair then asking for nominations/volunteers for the Vice Chair, the Chair will then call for the vote of the Vice Chair nominees and the nominee with the most votes provided it is a majority of the votes, then that person will become the Chair. If there is not a majority of votes then the top voted nominees will be re-voted until a nominee received a majority of votes will become the Vice Chair.

Chapter 17.80

LANDSCAPE WATER CONSERVATION STANDARDS

Sections:

- 17.80.010 Title and Purpose
- 17.80.020 Definitions
- 17.80.030 Applicability
- 17.80.040 Landscape Project Application (LPA) Requirements
- 17.80.050 Water Efficient Landscape Standards
- 17.80.060 Landscape Plan Requirements
- 17.80.070 Landscape Water Audit Requirements
- 17.80.080 Certifications
- 17.80.090 Landscape and Irrigation Maintenance Schedule
- 17.80.100 Stormwater Management
- 17.80.110 Provisions for Existing Landscapes
- 17.80.120 Public Education

17.80.010 Title and Purpose. This Chapter shall be known and may be cited as the Landscape Water Conservation Standards Ordinance of the City of Clayton for the purpose of implementing within Clayton the Water Conservation in Landscaping Act of 2006.

17.80.020 Definitions. Certain words and phrases are defined within this Chapter and the definitions herein apply to this Chapter only. Where it appears from the context of such words, phrases, or provisions that a different meaning is intended, the definition shall be determined by the Community Development Director.

- A. "Applicant" means the individual or entity submitting a Landscape Project Application (LPA) required under Section 17.80.040 of this Chapter to request a permit, plan check, or design review from the City of Clayton, or requesting new or expanded water service from the local water district. A project applicant may be the property owner or his or her designee.

- B. "Applied water" means the portion of water supplied by the irrigation system to the landscape.
- C. "Backflow prevention device" means a safety device used to prevent pollution or contamination of the water supply due to the reverse flow of water from an irrigation system.
- D. "Certified irrigation system auditor" means a person certified by the U.S. Environmental Protection Agency's WaterSense Irrigation Partners Program.
- E. "Conversion factor (0.62)" means the number that converts acre-inches per acre per year to gallons per square foot per year.
- F. "Emission Device" means any device that is contained within an irrigation system that is used to apply water. Common emission devices in an irrigation system include, but are not limited to, spray and rotary sprinkler heads, bubblers, and drip irrigation emitters.
- G. "Estimated Total Water Use (ETWU)" means the estimated total water used for the landscape, as described in the City of Clayton Water Allowance Work Sheet.
- H. "ET adjustment factor (ETAF)" means a factor of 0.7, that, when applied to reference evapotranspiration, adjusts for plant factors and irrigation efficiency which are two major influences upon the amount of water that needs to be applied to the landscape. ETAF for a Special Landscape Area shall be 1.0.
- I. "ETo" stands for Reference Evapotranspiration, and means the water loss from a large field of 4-7 inch-tall, cool-season grass that is not water stressed. Local ETo numbers can be found through the California Irrigation Management Information System (CIMIS).
- J. "Evapotranspiration" means the combination of water transpired from plants and evaporated from the soil and plant surfaces.
- K. "Flow rate" means the rate at which water flows through pipes, valves, and emission devices, measured in gallons per minute, gallons per hour, or cubic feet per second.
- L. "Geometry" means the size, shape, and angles of an area.
- M. "Hardscape" means any durable material (pervious and non-pervious).
- N. "Hydrozone" means a portion of the landscaped area having plants with similar water needs. This ordinance uses the publication *Water Use Classification of Landscape Species* (WUCOLS) to determine a plant's water needs. A hydrozone may be irrigated or non-irrigated.

- O. "Landscape water audit" means an in-depth evaluation of the installed landscape to verify the landscape complies with the Water-Efficient Landscape Standards of the City of Clayton Landscape Water Conservation Standards Ordinance, and completes the Certificate of Compliance for a Landscape Water Audit.
- P. "Irrigation efficiency (IE)" means the measurement of the amount of water beneficially used divided by the amount of water applied. Irrigation efficiency is derived from measurements and estimates of irrigation system characteristics and management practices. The irrigation efficiency for purposes of this Chapter is 71% or greater. Greater irrigation efficiency can be expected from well-designed and well-maintained systems.
- Q. "Irrigation survey" means an evaluation of an irrigation system that is less detailed than an irrigation audit. An irrigation survey includes, but is not limited to, inspection, system test, and recommendations to improve performance of the irrigation system.
- R. "Irrigation water use analysis" means an analysis of water use data based on meter readings and billing data.
- S. "Landscape area" means all the planting areas, turf areas, and water features in a landscape design plan subject to the Maximum Applied Water Allowance calculation. The landscape area does not include footprints of buildings or structures, sidewalks, driveways, parking lots, decks, patios, gravel, or stone walks, or other pervious or non-pervious hardscapes, and other non-irrigated areas designated for non-development (e.g., open spaces and existing native vegetation).
- T. "Landscape contractor" means a person licensed by the State of California to construct, maintain, repair, install, or subcontract the development of landscape systems.
- U. "Lateral line" means the water delivery pipeline that supplies water to the emitters or sprinklers from the valve.
- V. "Maximum Applied Water Allowance (MAWA)" means the upper limit of annual applied water for the established landscaped area, as specified in the City of Clayton "Water Allowance Work Sheets".
- W. "Medians" mean any planting area that separates traffic lanes on streets and parking areas in parking lots.
- X. "Mulch" means any organic material, such as leaves, bark, straw, or compost; or inorganic mineral materials, such as rocks, gravel, and decomposed granite left loose and applied to the soil surface for the beneficial purposes of reducing evaporation, suppressing weeds, moderating soil temperature, and preventing soil erosion.



- Y. "Non-Permeable" means any surface or material that will not allow the passage of water through that surface or material and into the underlying soil at a rate that ensures run-off will not occur.
- Z. "Operating pressure" means the pressure at which the parts of an irrigation system are designed by the manufacturer to operate.
- AA. "Overhead irrigation" means systems that deliver water through the air (e.g., sprayheads and rotors).
- BB. "Overspray" means the irrigation water that is delivered beyond the target area.
- CC. "Permit" means an authorizing document issued by local agencies for new construction or rehabilitated landscapes.
- DD. "Plant factor" or "plant water use factor" is a factor that, when multiplied by ETo, estimates the amount of water needed by plants. The plant factors for this Chapter are from the WUCOLS publication.
- EE. "Precipitation rate" for this Chapter means the rate of application of water measured in inches per hour.
- FF. "Project" means the total area comprising the landscape area, as defined in this Chapter.
- GG. "Rain switch" or "rain sensing shutoff device" means a component that automatically suspends an irrigation event when it rains.
- HH. "Reference evapotranspiration" or "ETo" means a standard measurement of environmental parameters that affect the water use of plants.
- II. "Rehabilitated landscape" means any re-landscaping project that requires a permit, plan check, or design review, or requires a new or expanded water service application.
- JJ. "Retail water supplier" means any entity, including a public agency, city, county, district or private water company that provides retail water service.
- KK. "Runoff" means water that is not absorbed by the soil or landscape to which it is applied and that flows from the landscape area.
- LL. "Smart irrigation controllers" means controllers using weather information or soil moisture readings along with site information to automatically adjust the irrigation schedule on a daily basis.
- MM. "Soil moisture sensor" or "soil moisture sensing device" means a device that measures the amount of water in the soil. The device may also suspend or initiate an irrigation event.

- NN. "Special Landscape Area (SLA)" means an area of the landscape dedicated solely to edible plants, such as vegetable gardens or orchards, areas irrigated with recycled water, water features using recycled water, cemeteries, and areas dedicated to active play, such as parks, sports fields, and golf courses where turf provides a playing surface.
- OO. "Sprinkler head" means a device that delivers water through a nozzle.
- PP. "Station" means an area served by one valve or by a set of valves that operate simultaneously.
- QQ. "Turf" means a ground cover surface of mowed grass. Kentucky bluegrass, Perennial ryegrass, Red fescue, and Tall fescue are examples of cool-season grasses. Bermuda grass, Kikuyu grass, Seashore Paspalum, St. Augustine grass, Zoysia grass, and Buffalo grass are examples of warm-season grasses.
- RR. "Valve" means a device used to control the flow of water in the irrigation system.
- SS. "Water feature" means a design element where open water performs an aesthetic or recreational function. Water features include ponds, lakes, waterfalls, fountains, artificial streams, spas, and swimming pools (where water is artificially supplied).
- TT. "WUCOLS" means the Water Use Classification of Landscape Species, published by the University of California Cooperative Extension, the Department of Water Resources, and the Bureau of Reclamation, 2000. (WUCOLS) report is available at <http://www.water.ca.gov/wateruseefficiency/publications/>. Search for WUCOLS, and then go to Part 2 WUCOLS III\* 1999 Edition.

**17.80.030** Applicability. After October 21, 2010 the indicated provisions of this Chapter shall apply to landscape projects as follows:

- A. **Developer Projects:** New and rehabilitated landscape development for commercial, multi-family, and single family projects with irrigated landscape areas cumulatively equal to or greater than 2,500 square feet and requiring a building permit, grading permit, plan check, or design review shall complete the Landscape Project Application (LPA) described in Section 17.80.040, and comply with all other Sections of this Chapter.
- B. **Municipality and Public Agency Projects:** New and rehabilitated projects designed and installed by the City of Clayton with irrigated landscape areas cumulatively equal to or greater than 2,500 square feet shall comply with Sections 17.80.050, 17.80.060, 17.80.070, 17.80.080, 17.80.090, and 17.80.100.

- C. **Owner-Directed Single Family Projects:** New and rehabilitated owner-directed single family projects with irrigated landscape areas cumulatively equal to or greater than 5,000 square feet and requiring a building permit, grading permit, plan check, or design review shall complete the Landscape Project Application (LPA) described in Section 17.80.040, and comply with all other Sections, except Section 17.80.090, of this Chapter.
- D. **Existing Landscapes:** Existing landscapes are only subject to the provisions in Section 17.80.110, "Provisions for Existing Landscapes" and Section 17.80.120, "Public Education".
- E. **The provisions of this Chapter shall not apply to:**
  - 1. Landscapes that are only temporarily irrigated for establishment purposes and landscapes that are not irrigated with a permanent irrigation system.
  - 2. Registered local, state or federal historical sites, or as may otherwise be determined by the City Council;
  - 3. Community gardens, botanical gardens and arboretums open to the public.

17.80.040 Landscape Project Application (LPA) Requirements. Applicant shall choose one of the two options below to comply with this Chapter:

- A. **Option A: Proposed landscape project does not include any:**
  - 1. Water features with more than 100 square feet of total surface area;" or
  - 2. Turf or other high water use plants, unless they qualify as a "Special Landscape Area. High water use plants are those designated as 'high water use' in the Water Use Classification of Landscape Species (WUCOLS) report<sup>1</sup>."

For this option, the applicant shall complete the following:

- 1. Project Application Sheet.
  - 2. Certification Sheets.
  - 3. Landscape Plans (See Section 17.80.060);
  - 4. Maintenance Schedule (See Section 17.80.090).
- B. **Option B: Proposed landscape project does include:**
    - 1. Water features with more than 100 square feet of total surface area; or

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<sup>1</sup> Water Use Classification of Landscape Species (WUCOLS) report which is available at [http://www.water.ca.gov/wateruseefficiency/publications/ A Guide to Estimating, Part 2.](http://www.water.ca.gov/wateruseefficiency/publications/A%20Guide%20to%20Estimating,%20Part%202)

2. Turf or other high water use plants not qualifying as a "Special Landscape Area." The Estimated Total Water Use (ETWU) for the proposed landscape shall not exceed the Maximum Applied Water Allowance (MAWA) for the site. The MAWA formula will use an ET Adjustment Factor of 0.7.

For this option, the applicant shall complete the following:

1. Project Application Sheet.
2. Certification Sheets.
3. Water Allowance Work Sheets.
4. Landscape Plans (See Section 17.80.060).
5. Maintenance Schedule (See Section 17.80.090).

An applicant requesting design review approval shall submit, at a minimum, a preliminary landscaping plan with the design review application; however, the applicant must submit all components of the Landscape Project Application (LPA) concurrently with the application for building permit or grading permit for the project.

The Community Development Director or his/her designee shall review each LPA for compliance with the provisions of this Chapter and may withhold issuance of zoning approval for a building permit or grading permit for which its corresponding LPA does not comply with this Chapter.

17.80.050 Water Efficient Landscape Standards. The proposed landscape design shall incorporate the most recent acceptable best management practices as determined by the City of Clayton for water-efficient landscape design and shall comply with the following standards:

A. Plant Design:

1. Plants selected shall be well suited to the area's climate and the site's soil conditions.
2. The proposed landscape shall be designed so that distinct hydrozones are irrigated separately by one or more irrigation valves. A hydrozone is an area with similar sun exposure, irrigation precipitation rate, soil conditions, slope, and plant material with similar water needs. Refer to the WUCOLS report for plant water needs.
3. Plants shall be spaced appropriately based on their expected mature spread.
4. If the geometry of the planting area does not conform to the spray pattern of the sprinkler, resulting in overspray onto the adjacent pavement, then overhead irrigation shall not be used.

5. Plants shall be spaced so that at mature size they do not block sprinklers.
6. Turf shall not be planted on slopes steeper than 15%.
7. Turf shall not be planted in any medians or in areas narrower than 8'0".

**B. Irrigation System:**

The irrigation system design shall comply with the following requirements:

1. Smart irrigation controller(s) using one of the below methods shall be required on all irrigation systems:
  - a. Daily evapotranspiration data; and
  - b. Daily soil moisture sensor data.
2. Specify a dedicated landscape water meter for landscapes with an irrigated area greater than 5,000 square feet, or per retail water supplier regulations.
3. Recycled water shall be used for landscape irrigation if it is available at the project site.
4. Specify technology and practices to prevent runoff, low head drainage, overspray, or other water waste.
5. Overhead irrigation shall not be permitted within 12" of any non-permeable surface.
6. Specify sprinkler heads and other emission devices that have matched precipitation rates within each irrigation zone. No irrigation zone shall specify a precipitation rate greater than 1.2 inches per hour. On slopes steeper than 25%, the specified precipitation rate shall not exceed 0.75 inches per hour.
7. Specify irrigation controls so the dynamic water pressure at sprinkler head or other emission device is within manufacturer's recommended optimal operating range.
8. No overhead irrigation shall be specified in planting areas less than 8'0" wide in any dimension, unless demonstrated that water waste will not occur.
9. Specify a manual shut-off valve for each point of connection and specify that each shut-off valve be identified on the controller map.
10. Prepare a controller map and programming table and specify that this be stored in the controller cabinet. The controller map shall visually differentiate each controller zone. For each irrigation valve, the controller programming table shall list the plant water requirement (high, medium,

low, or very low), the sun exposure, irrigation emission device type, precipitation rate, station flow rate, optimal pressure, soil type, infiltration rate, square foot area, and degree of slope.

11. Each irrigation valve shall control irrigation to only one distinct hydrozone. A hydrozone is an area with similar sun exposure, irrigation precipitation rate, soil conditions, slope, and plant material with similar water needs. Refer to the WUCOLS report for plant water needs.
12. Specify a separate irrigation valve and hydrozone for the top of a slope and the bottom of a slope.

**C. Water Features:**

1. All water features shall have re-circulating water systems.
2. Fountain(s) shall be designed so that no wind drift or overspray occurs.

**D. Grading and Soil Preparation:**

The landscape design shall:

1. Comply with Storm Water Control Plan requirements (C.3), if applicable.
2. Be designed to improve or maintain the infiltration rate of landscape soils typical of their soil texture and minimize soil erosion.
3. Be designed to avoid drainage onto non-permeable hardscapes within the property lines and prevent runoff of all irrigation and natural rainfall outside property lines.
4. Only specify soil amendments if appropriate for the selected plants.
5. Specify a minimum two-inch layer of mulch shall be applied on all exposed soil surfaces of planting areas unless there is a horticultural reason not to use mulch in a portion of the planting area. Mulch, such as shredded bark, shall be specified in bioretention areas so that they will stay in place during rain events.

**17.80.060 Landscape Plan Requirements.** The Landscape plans shall demonstrate that all the water-efficient landscape standards have been met:

**A. The planting plan shall:**

1. Identify Special Landscape Areas. Special Landscape Areas include: landscape dedicated solely to edible plants, such as vegetable gardens or orchards, areas irrigated with recycled water, water features using recycled water, cemeteries, and areas dedicated to active play, such as parks, sports fields, and golf courses where turf provides a playing surface.

2. Identify plants by their common and botanical names.
  3. Identify type and surface area of water features.
- B. The irrigation plan shall:
1. Show the location and size of the landscape irrigation water meter.
  2. Show the location, type and size of all components of the irrigation system, including, but not limited to, controllers, main and lateral lines, valves, sprinkler heads, moisture sensing devices, rain switches, quick couplers, pressure regulators, and backflow prevention devices.
  3. Identify the static water pressure at the point of connection to the public water supply.
  4. Identify the flow rate (gallons per minute), application rate (inches per hour), and design operating pressure (pressure per square inch) for each station.
- C. Landscape plans shall include details and specifications reflecting the most recent acceptable best management practices as determined by the City of Clayton for water-efficient landscape design.

**17.80.070 Landscape Water Audit Requirements.** A landscape water audit shall be performed to ensure that the installed landscape meets the requirements of this Chapter.

- A. A landscape water audit shall be conducted within thirty (30) days of the start of the landscape maintenance period or, if no maintenance period, then, immediately, upon completion of the landscape installation. An EPA WaterSense certified Irrigation System Auditor shall conduct the landscape audit and submit a Certificate of Compliance, Landscape Water Audit sheet.
- B. The Landscape Auditor shall inform the applicant of all non-compliance issues with the Ordinance. This shall include, but not be limited to, all items listed on the Certificate of Compliance, Landscape Water Audit sheet.
- C. All non-compliance issues shall be repaired and the site shall be re-audited for compliance with the criteria of this Chapter prior to final inspection/permit and final sign off.

**17.80.080 Certifications.** Water Efficiency Landscape Checklist/Certification sheets will be part of the Landscape Project Application (LPA) requirements.

- A. The person(s) creating the landscape design shall complete the Certificate of Compliance, Landscape Design sheet certifying the landscape has been designed to comply with the criteria of this Chapter.

- B. The Landscape Contractor/Installer shall complete the Certificate of Compliance, Landscape Installation sheet certifying the landscape has been installed, as specified in the Landscape Plans, and complies with the criteria of this Chapter.
- C. The Landscape Auditor shall complete the Landscape Certificate of Compliance, Water Audit sheet certifying the landscape and irrigation system have been installed, as specified in the Landscape Plans, and comply with the criteria of this Chapter.
- D. The Maintenance Contractor/Person shall complete the Certificate of Compliance, Landscape Maintenance sheet certifying the landscape maintenance contractor agrees to manage the property using less water than the Maximum Applied Water Allowance.
- E. While standards applications are not required for Municipality and Public Agency Projects involving "City" projects conducted by City staff, certifications (i.e., Design, Installation, Maintenance, and Auditing) are needed and the City's Maintenance Supervisors may sign-off on them.

**17.80.090** Landscape and Irrigation Maintenance Schedule. The landscape designer or installer shall develop a landscape maintenance specification and schedule for the landscape project that is consistent with the most recent acceptable best management practices as determined by the City of Clayton for landscape maintenance. Schedules shall be submitted with the Certification of Completion.

- A. An annual landscape maintenance schedule shall include at least the following: routine inspection; adjustment and repair of the irrigation system and its components; aerating turf areas; replenishing mulch; seasonal pruning; weeding in all landscape areas; and removing obstructions to emission devices;
- B. Repair of all irrigation equipment shall be done with the originally installed components or their equivalents;
- C. Project shall be irrigated so that total annual water applied is less than or equal to the Maximum Applied Water Allowance (MAWA) (if applicable).

**17.80.100** Stormwater Management. All applicable projects shall comply with the requirements of the National Pollutant Discharge Elimination System intended to implement storm water best management practices into the planting, irrigation, and grading plans to minimize runoff and to increase on-site retention and infiltration.

**17.80.110** Provisions for Existing Landscapes. This section applies to existing landscapes that were installed before October 21, 2010.

- A. Irrigation Survey and Irrigation Water Use Analysis

To ensure the efficient use of landscape water, each owner of property in the City of Clayton is encouraged to utilize resources and services, such as



irrigation surveys and landscape water use analyses that are offered by the local retail or wholesale water utility.

**B. Water Waste Prevention**

Each owner of property in the City of Clayton shall prevent water waste resulting from inefficient landscape irrigation by prohibiting runoff from the target landscape areas due to excessive irrigation or inappropriate run times related to time of day, seasonal and/or variable weather conditions, low head drainage, overspray, or other similar conditions where water flows onto an adjacent property, walks, roadways, parking lots, or structures.

**17.80.120 Public Education.**

- A. All new model homes that are landscaped shall use signs, brochures and other written information to demonstrate the principles of water-efficient landscapes that are described in this Chapter.
- B. The architectural guidelines of a common interest development, which include homeowner associations, community apartment projects, condominiums, planned developments, and stock cooperatives, shall not prohibit activities or conditions that have the effect of allowing the use of low water use plants as a group.
- C. For new homes/commercial developments, applicant/owner is required to provide the irrigation controller map and programming table and annual maintenance schedules to new tenants or owners at transfer of ownership/maintenance responsibility.
- D. The City of Clayton shall provide on its website links to resources that offer information about the principals of designing, installing, and maintaining water-efficient landscapes. An example of a link is to the local water utility, the Contra Costa Water District, and the landscape water conservation information that Agency offers.



## **Certificate of Compliance Landscape Design**

Project Name and Address/Parcel No.: \_\_\_\_\_

Applicant Name: \_\_\_\_\_

Applicant Address: \_\_\_\_\_

### Project Area Measurements

Total turf area: \_\_\_\_\_ square feet

Total non-turf landscape area: \_\_\_\_\_ square feet

Total water feature area: \_\_\_\_\_ square feet

- Landscape design has zero (0) square feet of turf that is not specified as “special landscape area” and water feature(s) with total surface area not more than 100 square feet.
- Landscape design includes: 1) turf that is not specified as “special landscape area”; or 2) water feature(s) with more than 100 square feet of total surface area. If this box is checked, applicant must prepare Water Allowance Work Sheets to demonstrate the landscape is designed to use less than the Maximum Applied Water Allowance.

### Landscape Design Requirements

- Design incorporates most recent acceptable best management practices for water-efficient landscape design.
- Submit landscape plans, including planting, irrigation, and installation details.
- Plants selected are well suited to the local climate and soil conditions.
- Plants are spaced appropriately based on their expected mature size.
- Overhead irrigation not used if irrigation results in overspray.
- Plants are spaced so at mature size they do not block sprinklers.
- Distinct hydrozones are irrigated separately by one or more irrigation valves.
- No turf is specified in medians, areas narrower than 8 feet, or on slopes greater than 15%.
- Plan specifies smart irrigation controller(s) utilizing ET or soil moisture sensors.
- Plan specifies separate water meter(s) for landscape irrigation per the retail water supplier regulations.
- Recycled water is used if available.
- Run-off, low head drainage and overspray are prevented.
- No overhead irrigation is specified within 12 inches of any non-permeable surface.
- Sprinkler stations have matched precipitation rates for each irrigation zone with a maximum precipitation rates for each irrigation zone with a maximum precipitation rate of 1.2 inches per hour or 0.7 inches per hour for all slopes of 25% or greater.

- Irrigation controls are specified to maintain dynamic water pressure at sprinkler heads and other emission devices within manufacturer's specifications.
- No overhead irrigation is specified in areas less than eight feet wide in any direction.
- Manual shutoff valves are specified at each point of connection.
- Irrigation plan includes or specifies that controller map(s) and programming table(s) shall be placed in all irrigation controller cabinets.
- Plan specifies a separate irrigation valve and hydrozone for the top of a slope and bottom of a slope.
- A re-circulation system has been specified for all water features.
- Fountain(s) is designed and nozzles are specified so that no wind drift or overspray will occur.
- Design complies with Storm Water Control Plan requirements.
- Design minimizes any soil erosion from construction activities and maintains or improves the landscape soil's infiltration rate.
- Design to avoid drainage onto non-permeable hardscapes within the project and prevent runoff of irrigation and rainfall outside property lines.
- Only specify soil amendments that are appropriate for the selected plants.
- Plan specifies a minimum of two inches of mulch specified for all exposed soil surfaces in non-turf planting areas.

**I/We certify that the landscape plans for the above-listed project comply with the Water-Efficient Landscape Standards and Landscape Plan Requirements of the City of Clayton Water Efficient Landscape Ordinance.**

\_\_\_\_\_  
Designer's Name

\_\_\_\_\_  
Company Name

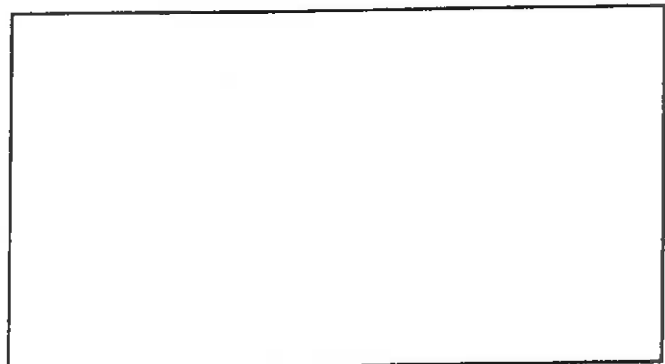
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Date



Professional Stamp



## Certificate of Compliance Landscape Installation

Project name: \_\_\_\_\_

Project Address/Parcel No.: \_\_\_\_\_

Applicant Name: \_\_\_\_\_

Applicant Address: \_\_\_\_\_

- Installed Project Area Measurements match those of the Landscape Design Plans.
- Plant material is the same as that specified in the plans and any substitutes are determined to be equivalent or less in water need, per *Water Use Classification of Landscape Species (WUCOLS)*.
- Installation incorporates most recent acceptable best management practices for water efficient landscape design.
- Any plant substitutes are well suited to the local climate and soil conditions.
- All plants are located per the design plan.
- Irrigation hydrozones are the same as plans and any field-adjusted irrigation zones were installed so that distinct hydrozones are irrigated separately by one or more irrigation valves.
- Changes to irrigation system or plant material shall maintain distinct hydrozones that are irrigated separately by one or more irrigation valves
- No turf is installed in medians, areas narrower than eight feet, or on slopes greater than 15%.
- All irrigation equipment is the same as specified, and any substitutes are equivalent.
- Automatic irrigation controller(s) installed utilize ET or soil moisture sensors.
- Point of connection (POC) is the same as specified in the plans.
- System has been installed and tested to prevent run-off, low head drainage, and overspray.
- No overhead irrigation is installed within 12 inches of any non-permeable surface.
- Sprinkler stations have matched precipitation rates for each irrigation zone, with a maximum precipitation rate of 1.2 inches per hour or 0.7 inches per hour for all slopes of 25% or greater.
- No overhead irrigation is used in areas less than eight feet wide in any direction.
- Manual shutoff valves are specified at each POC.
- A controller map and programming table were placed in all irrigation controller cabinets.
- Separate irrigation valves were installed and hydrozones created for the top of a slope and bottom of a slope.

- All water systems have functioning re-circulating water systems.
- Fountain(s) and their nozzles are maintained so that no wind drift or overspray will occur.
- Installation complies with Storm Water Control Plan requirements.
- Installation work minimized any soil erosion and maintained or improved the landscape soil's infiltration rate.
- Installation avoids drainage onto non-permeable hardscapes within the project and prevents run-off irrigation and rainfall outside property lines.
- Only specified soil amendments that are appropriate for the selected plants were used.
- A minimum of 2 inches of mulch for all exposed soil surfaces in non-turf planting areas.

**I/We certify that the landscape has been installed as specified in the landscape plans for the above-listed project to comply with the Water-Efficient Landscape Standards and Landscape Plan Requirements of the City of Clayton Water Efficient Landscape Ordinance.**

\_\_\_\_\_  
Installer's Name

\_\_\_\_\_  
Company Name

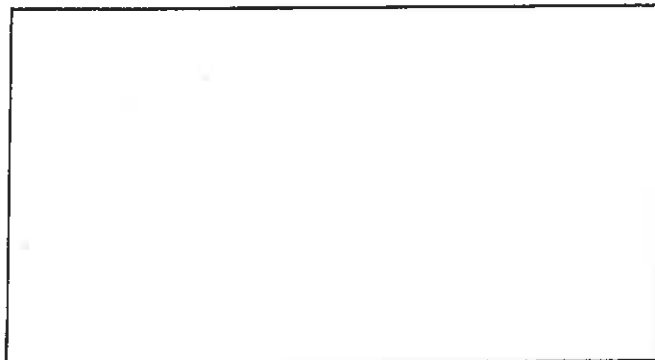
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## Certificate of Compliance Landscape Water Audit

Project name: \_\_\_\_\_

Project Address/Parcel No.: \_\_\_\_\_

Applicant Name: \_\_\_\_\_

Applicant Address: \_\_\_\_\_

- Installed Project Areas match those of the Landscape Design Plans.
- Plant material is the same as that specified on the plans, with any plant material substitutes being equivalent or less in water need per *Water Use Classification of Landscape Species (WUCOLS)*.
- Project has incorporated most recent acceptable best management practices for water-efficient landscape design.
- Plants used are well suited to the local climate and soil conditions.
- Plants are spaced appropriately based on their expected mature size.
- Overhead irrigation was not used where it would result in overspray.
- Plants are spaced so at mature size they do not block sprinklers.
- Distinct hydrozones are irrigated separately by one or more irrigation valves.
- No turf is planted in medians, areas narrower than eight feet, or on slopes greater than 15%.
- Smart irrigation controller(s) utilizing ET or soil moisture sensors are installed.
- Point of Connection (POC) is same as specified in plans.
- Recycled water is used, if available.
- Irrigation system has no runoff, low head drainage, and overspray.
- No overhead irrigation is installed within 12 inches of any non-permeable surface.
- Sprinkler stations have matched precipitation rate for each irrigation zone, with a maximum precipitation rate of 1.2 inches per hours or 0.7 inches per hour for all slopes of 25% or greater.
- Dynamic water pressure at sprinkler heads and other emission devices is within manufacturer's specifications.
- No overhead irrigation is installed in areas less than eight feet wide in any direction.
- Manual shutoff valves are installed at each POC.
- Controller map(s) and programming table(s) are in all irrigation controller cabinets.
- Separate irrigation valves are installed for the top of a slope and bottom of a slope, and designated as separate hydrozones.
- A re-circulation system has been installed for all water features.
- Fountains and their nozzles have no wind drift or overspray.

- Project complies with Storm Water Control Plan requirements.
- Site's landscape soils infiltration rate is the same as or better than native soil of area.
- Project does not drain onto non-permeable hardscapes within the project, and no runoff of irrigation and rainfall can occur outside property lines.
- Only specified soil amendments that are appropriate for the selected plants were used on project.
- A minimum of two inches of mulch is installed for all exposed soil surfaces in non-turf planting areas.

**I/We certify that the landscape for the above-listed project complies with the Landscape Water Conservation Standards of the City of Clayton Landscape Water Conservation Ordinance.**

\_\_\_\_\_  
Auditor's Name

\_\_\_\_\_  
Company Name

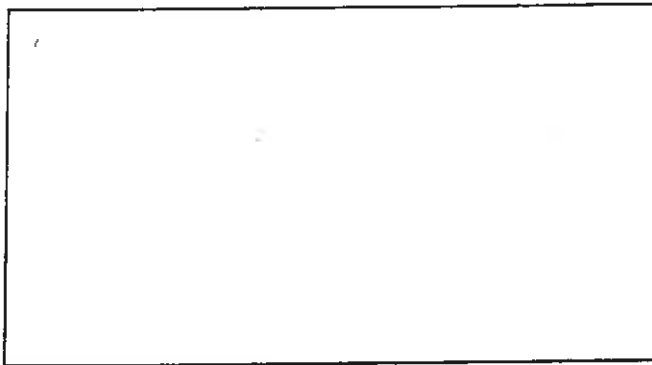
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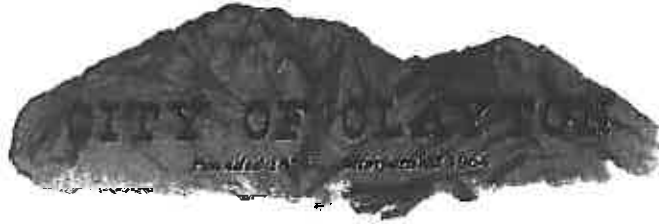
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## **Certificate of Compliance Landscape Maintenance**

Project name: \_\_\_\_\_

Project Address/Parcel No.: \_\_\_\_\_

Applicant Name: \_\_\_\_\_

Applicant Address: \_\_\_\_\_

- Changes in total landscape are shall be reported to the local water unity.
- Maintenance practices incorporate most recent acceptable best management practices for water-efficient landscape maintenance.
- Plants selected for replanting are well suited to the local climate and soil conditions.
- Plants for replanting are spaced appropriately based on their expected mature size.
- Any changes to overhead irrigation do not result in overspray.
- Replacement plants are spaced so at mature size they do not block sprinklers.
- Changes to irrigation system or plant material shall maintain distinct hydrozones that are irrigated separately by on or more irrigation valves
- Medians, areas narrower than eight feet or on slopes greater than 15%, shall not be replanted in turf.
- Smart irrigation controller(s) utilizing ET or soil moisture sensors are in the ET or sensor mode.
- The existing irrigation point of connection (POC) is used for any irrigation system changes.
- Maintenance practices are incorporated to prevent run-off, low head drainage, and overspray.
- No overhead irrigation can be moved within 12 inches of any non-permeable surface.
- Sprinkler stations have matched precipitation rates for each irrigation zone with a maximum precipitation rate of 1.2 inches per hour or 0.7 inches for all slopes 25% or greater.
- Irrigation controls are used to maintain dynamic water pressure at sprinkler heads and other emission devices within manufacturer's specifications.
- No overhead irrigation is used in areas less than eight feet wide in any direction.
- Manual shutoff valves are maintained at each point of connection.
- A copy of the controller map(s) and programming table(s) are kept in all irrigation controller cabinets.
- Separate irrigation valves and hydrozones are maintained for the top of a slope and bottom of a slope.
- Re-circulation system(s) is maintained for all water features.



- Fountain(s) and their nozzles are maintained so that no wind drift or overspray will occur.
- Maintenance practices comply with Storm Water Control Plan requirements.
- Infiltration rates for site's landscape soils are maintained or improved with site maintenance practices.
- Site is maintained to avoid drainage onto non-permeable hardscapes within the project and prevent run-off of irrigation and rainfall outside property lines.
- Only use soil amendments that are appropriate for any replacement plants.
- Maintain a minimum of two inches of mulch for all exposed soil surfaces in non-turf planting areas.

**I/We certify that the landscape maintenance for the above-listed project will comply with the Landscape Water Conservation Standards of the City of Clayton Landscape Water Conservation Ordinance and the Landscape Maintenance Schedule created for this project.**

\_\_\_\_\_  
Designer's Name

\_\_\_\_\_  
Company Name

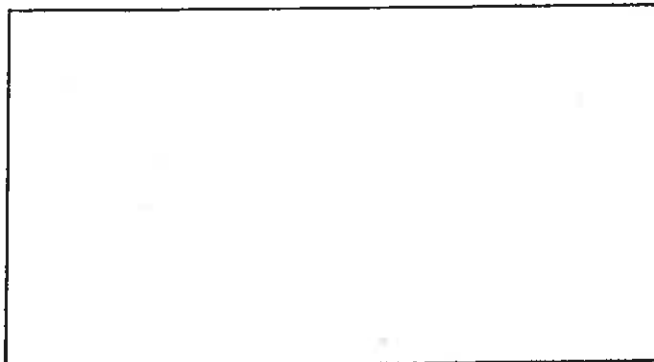
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## Water Allowance Work Sheets

Water Allowance Work Sheets are used to calculate water use in the form of Maximum Applied Water Allowance (MAWA) and Estimated Total Water Use (ETWU) for the landscape project.

These sheets are required if the project has turf or other high water use plants not qualified as a 'Special Landscape Area' or has water feature(s) with more than one hundred (100) total square feet of surface area. This is referred to as Option B of the Landscape Project Application Requirements of the Water-Efficient Landscape Ordinance.

Special Landscape Area is defined as an area of the landscape dedicated solely to edible plants, areas irrigated with recycled water, water features using recycled water, and areas dedicated to active play, such as parks, sports fields and golf courses where turf provides a playing surface.

The ETWU for the project can not exceed the MAWA for the project.

Calculate the MAWA for the project using the below formula and Factors:

$$\text{MAWA} = (\text{ET}_o) (0.62) [(0.7 \times \text{LA}) + (0.3 \times \text{SLA})]$$

Where:

MAWA	=	Maximum Applied Water Allowance (gallons per year)
ET <sub>o</sub>	=	Reference Evapotranspiration (inches per year)
0.62	=	Conversion Factor (to gallons)
0.7	=	ET Adjustment Factor (ETAF)
LA	=	Landscape Area including SLA (square feet)
0.3	=	Additional Water Allowance Factor for SLA
SLA	=	Special Landscape Area (square feet)

**Step one: Multiple total project landscape area by 0.7, the ET Adjustment Factor**

LA	Multiply	0.7	Equals	0.7 x LA
	x		=	

**Step two: Multiple total Special Landscape Area by 0.3, the Additional Water Allowance Factor**

SLA	Multiply	0.3	Equals	0.3 x SLA
	x		=	

**Step 3: Add Adjusted LA and adjusted SLA Water Allowances**

0.7 x LA	Plus	0.3 x SLA	Equals	0.7 x LA + 0.3 SLA
	+		=	

Step four: Multiple Reference Evapotranspiration by the conversion factor and Total Adjusted Water Allowance

ETo	Multiply	Conversion factor	Multiply	0.7 x LA + 0.3 x SLA	Equals	MAWA
	x	0.62	x		=	

Calculate the ETWU for the project using the below formula and Factors. A Hydrozone Table will need to be completed prior to completing the ETWU calculation, to determine the total area by hydrozone type.

$$ETWU = (ETo)(0.62) \left( \frac{PF \times HA}{0.71} + SLA \right)$$

Where:

- ETWU = Estimated Total Water Use per year (gallons)
- ETo = Reference Evapotranspiration (inches)
- PF = Plant Factor (see Definitions)
- HA = Hydrozone Area [high, medium, low and very low water use areas] (square feet)
- SLA = Special Landscape Area (square feet)
- 0.62 = Conversion Factor
- 0.71 = Irrigation Efficiency

Step one: Multiple the Plant Factor by the total area of that plant water need category

Plant Factor	Multiply	Total Hydrozone Area	Equals	PF x HA
High (0.8)	x		=	
Medium (0.5)	x		=	
Low (0.3)	x		=	
Very Low (0.1)	x		=	

Step two: Add up the Total Adjusted Hydrozone Allowances

High PF x HA	Plus	Medium PF x HA	Plus	Low PF x HA	Plus	Very Low PF x HA	Equals	Total PF x HA
	+		+		+		=	

Step three: Divide the Total Adjusted Hydrozone Allowance by 0.71, minimum Irrigation Efficiency

Total PF x HA	Divided by	Irrigation Efficiency	Equals	Total PF x HA / 0.71
	/	0.71	=	

Step four: Add the SLA Area to the total (PF x HA / 0.71)

Total PF x HA / 0.71	Plus	Total Special Landscape Area	Equals	Total PF x HA / 0.71 + SLA
	+		=	

Step five: Multiply the yearly ETo times the Conversion Factor times the total (PF x HA / 0.71 + SLA)

Yearly ETo	Multiple	Conversion Factor	Multiple	PF x HA / 0.71 + SLA	Equals	ETWU (must be equal to or lower than the MAWA)
	x	0.62	x		=	

Record Project's square footage, by station number, on the Hydrozone Table, under the correct category. Use WUCOLS to determine the correct hydrozone category for the plants watered by each irrigation valve. Use the highest water needing plant irrigated by a valve to set that valve's water need category.

Hydrozone Table

Station Number	High Water Needs (sq. Ft.)	Medium Water Needs (Sq. Ft.)	Low Water Needs (Sq. Ft.)	Very Low Water Needs (Sq. Ft.)	Special Landscape Area (Sq. Ft.)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					

20					
21					
22					
23					
24					
Totals					

**LANDSCAPE MAINTENANCE DISTRICT IMPROVEMENT PLAN CRITERIA**

APPROVED BY THE TRAILS AND LANDSCAPE COMMITTEE NOV 16, 2009

**Criteria:**

- Areas that give the District the largest savings over the long term in reduced water usage and maintenance while enhancing the landscape, including the use of hardscape in key appropriate areas to minimize planting area
- Plant Replacement caused by drought only in areas where no overriding factor has been detected i.e. substandard irrigation, wrong type of plants, substandard soil, or mass loss of plant life before drought. (see below)

Using the above criteria the maintenance staff has provided a partial list of areas that should be considered for improvement and the general type of changes:

**First** step would be to improve the following areas:

**Water Feature**

Replace turf area with a smaller lawn in front of the fountain and plant trees and shrubs on outside areas along fence lines (concept plan to be provided at the meeting) **COMPLETED**

**Oakhurst Drive median noses**

Hardscape the narrow median noses along Oakhurst Drive removing remaining shrubs (seven narrow noses and three wider noses) **COMPLETED**

**Entry Medians and sides**

Re-landscape entry medians to the following areas Eagle Peak, Indian Wells, Indian Head, Keller Ridge, and Peacock Creek with a standard plan and low maintenance design.

**City Entries**

Re-Landscape entry sign areas into the City with a standard plan and low maintenance design

**Peacock Drive Median**

Hardscape the median keeping only the existing trees.

**Second** step would be to establish a replanting program in the following order:

**Trees Citywide**

Continue to replace street trees as they die out this include the trees in the medians and along City streets.

**Clayton Greens Lawns**

Replace with shrubs or lawns

**Third** step Fill in landscape areas that have already been upgraded been upgraded within the Landscape District using only shrubs or trees.

- Old Marsh Creek Rd
- Oakhurst Drive Southside
- Center Street Trail

**Fourth** step Fill in older landscape areas of the Landscape District that have adequate or need minimal irrigation upgrades and using only shrubs and trees

- Clayton Road from City limits to Mitchell Canyon
- Clayton Rd from Oakhurst to Mitchell Cyn (note this area was redone with new irrigation and planting plan along with Daffodil Hill --Daffodil Hill joint funded project with CBCA) **COMPLETED**
- Clayton Road from horse trail along sound wall on Marsh Creek Road

**Fifth** step and Long term goals for the Landscape District

- Upgrade irrigation where the systems are substandard

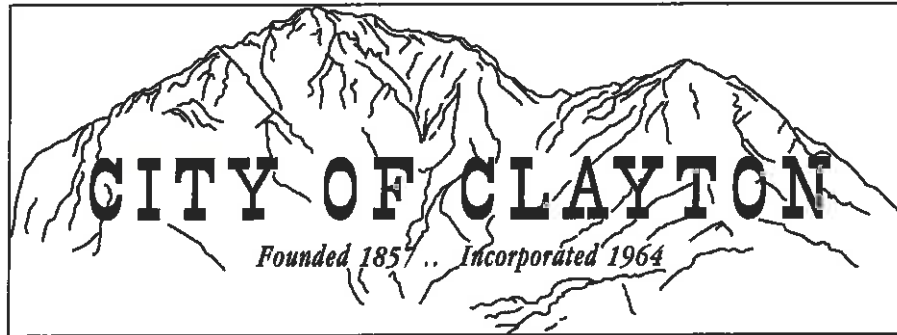
- Centralize the irrigation system district wide

- Planting plans for the following areas

- Eagle Peak Drive
- City wide medians
- Keller Ridge Drive
- Regency Meadows
- Clayton Greens

Agenda Date: 3/25/13

Agenda Item: 5(g)



**CITY OF CLAYTON  
TREE LIST  
FOR  
PUBLIC PROPERTIES  
AND  
RIGHTS-OF-WAY**

**Prepared By City of Clayton  
Maintenance Services Staff**

**Mark Janney, Maintenance Supervisor  
John Johnston, Maintenance Supervisor**

**Approved by the City Council  
March 16, 2010**



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Lagerstroemia Indica  
**Crape Myrtle**



Genus Species 'variety' <b>Common Name</b>	Evergreen/ Deciduous	Ht/Width at Maturity	Comments	Spacing	Examples Existing Tree Locations
Lagerstroemia Indica <b>Crape Myrtle</b>	Deciduous	Up to 25' ht Up to 25' w	Summer color, drought tolerant good for small planting areas	10'-12'	Citywide Clayton Road

**Pistacia Chinensis  
Chinese Pistache**



Genus Species 'variety' Common Name	Evergreen/ Deciduous	Ht/Width at Maturity	Comments	Spacing	Examples of Existing Tree Locations
Pistacia Chinensis <b>Chinese Pistache</b>	Deciduous	30'-60' ht 30'-60' w	Tolerates a wide range of conditions, good street tree, tolerates various watering Regimes, brilliant fall color	20'	City Hall

**Pyrus Calleryana 'Bradford'**  
**Ornamental Pear - Bradford**



Genus Species 'variety' <b>Common Name</b>	Evergreen/ Deciduous	Ht/Width at Maturity	Comments	Spacing	Examples of Existing Tree Locations
Pyrus Calleryana 'Bradford' <b>Ornamental Pear</b>	Deciduous	Up to 50'ht 30'w	Vertical limbs, less susceptible to fireblight, Blooms early spring, tolerates most soils, Moderate water	15'	Old Marsh Creek Road

**Quercus Agrifolia  
California Live Oak**



Genus Species 'variety' Common Name	Evergreen/ Deciduous	Ht/Width at Maturity	Comments	Spacing	Example of Existing Tree Location
Quercus Agrifolia California Live Oak	Evergreen	20-70' ht 70' w	Good shade tree, drought tolerant, native to coastal central Calif., greedy root system	40'	City wide Community Park

**Quercus Lobata  
California Valley Oak**



Genus Species 'variety' Common Name	Evergreen/ Deciduous	Ht/Width at Maturity	Comments	Spacing	Example of Existing Tree Location
Quercus Lobata California Valley Oak	Deciduous	70' ht 70' w	One of largest Oak trees in North America, best in deep soils, native to central valley, can be fast grower, drought tolerant	60'	City Wide Clayton Road

**Quercus Douglasii**  
**Blue Oak**



Genus Species 'variety' Common Name	Evergreen/ Deciduous	Ht/Width at Maturity	Comments	Spacing	Example of Existing Tree Location
Quercus Douglasii Blue Oak	Deciduous	30'-50' ht 40'-70' w	Bright fall colors, native to central valley, drought tolerant	40'	Oakhurst Drive

**Platanus x acerifolia 'Columbia'**  
**London Plane Tree - Colombia**



Genus Species 'variety' Common Name	Evergreen/ Deciduous	Ht/Width at Maturity	Comments	Spacing	Example of Existing Tree Location
Platanus x acerifolia 'Columbia' London Plane Tree	Deciduous	40'-80' ht 30-40' w	Best in rich well drain soil, great shade tree, resistant to diseases, deep regular watering needed	30'	Clayton Road



**Prunus Krauter Vesuvius  
Flowering Plum**



Genus Species 'variety' Common Name	Evergreen/ Deciduous	Ht/Width at Maturity	Comments	Spacing	Example of Existing Tree Location
Prunus Krauter Vesuvius Flowering Plum	Deciduous	18' ht 12' w	Spring pink flowers, darkest foliage of any flowering plum, tolerates most soil conditions,	12'	Citywide Clayton Road

Liquidambar Styraciflua  
**American Sweet Gum**



Genus Species 'variety' <b>Common Name</b>	Evergreen/ Deciduous	Ht/Width at Maturity	Comments	Spacing	Example of Existing Tree Location
Liquidambar Styraciflua <b>American Sweet Gum</b>	Deciduous	60' ht 24' w	Good street tree, moderate water, brilliant fall color, good soil	10'-12'	Clayton Road

**Sequoia sempervirens 'Aptos Blue'**  
**Costal Redwood**



Genus Species 'variety' Common Name	Evergreen/ Deciduous	Ht/Width at Maturity	Comments	Spacing	Example of Existing Tree Location
Sequoia sempervirens 'Aptos Blue' Costal Redwood	Evergreen	70'-90' ht 15'-30' w	Native to the central costal area, fast growing, Moderate to regular watering, good planting near lawns, good in groupings or alone	15'	Water Feature Clayton Road

**Cedrus Deodara  
Deodar Cedar**



Genus Species 'variety' Common Name	Evergreen/ Deciduous	Ht/Width at Maturity	Comments	Spacing	Example of Existing Tree Location
Cedrus Deodara Deodar Cedar	Evergreen	80' ht 40' w	Fast growing, conifer, deep rooted, need well drain soil, drought tolerant	30'	Clayton Road Community Park

**Schinus 'Molle'**  
**California Pepper Tree**



Genus Species 'variety' <b>Common Name</b>	Evergreen/ Deciduous	Ht/Width at Maturity	Comments	Spacing	Example of Existing Tree Location
Schinus 'Molle' <b>California Pepper Tree</b>	Evergreen	25'-40' ht 25'-40' w	Tolerant of most soils, little to no water, can be messy, great shade tree, must be planted away from roadways and side walks	60'	Clayton Road

**Ulmus Parvifolia 'Athena'  
Chinese Evergreen Elm**



Genus Species 'variety' <b>Common Name</b>	Evergreen/ Deciduous	Ht/Width at Maturity	Comments	Spacing	Example of Existing Tree Location
Ulmus Parvifolia 'Athena' <b>Chinese Evergreen Elm</b>	Deciduous	40'-60' ht 50'-70' w	Good sun screen tree, regular watering, fast growing, tolerant of most soils, do have aggressive root system	40'	Grove Park

**Cercis Canadensis 'Alba'**  
**Eastern Redbud**



Genus Species 'variety' Common Name	Evergreen/ Deciduous	Ht/Width at Maturity	Comments	Spacing	Example of Existing Tree Location
Cercis Canadensis 'Alba' Eastern Redbud	Deciduous	Up to 35'ht Up to 35'w	Fastest growing of the Redbuds, moderate water, profuse display of flowers	10'-12'	Grove Park

FOR INFORMATION OR QUESTIONS REGARDING THESE PLANTS OR  
REQUEST FOR CONSIDERATION OF SUBSTITUTION CONTACT THE  
CITY MAINTENANCE SUPERVISOR MARK JANNEY AT 673-7327 OR  
COMMUNITY DEVELOPMENT DIRECTOR, DAVID WOLTERING, AT 673-7343.



# CITY OF CLAYTON

## ADOPT

## A

## TRAIL



This is the inaugural year of the Clayton Adopt-a-Trail program. The program aims to:

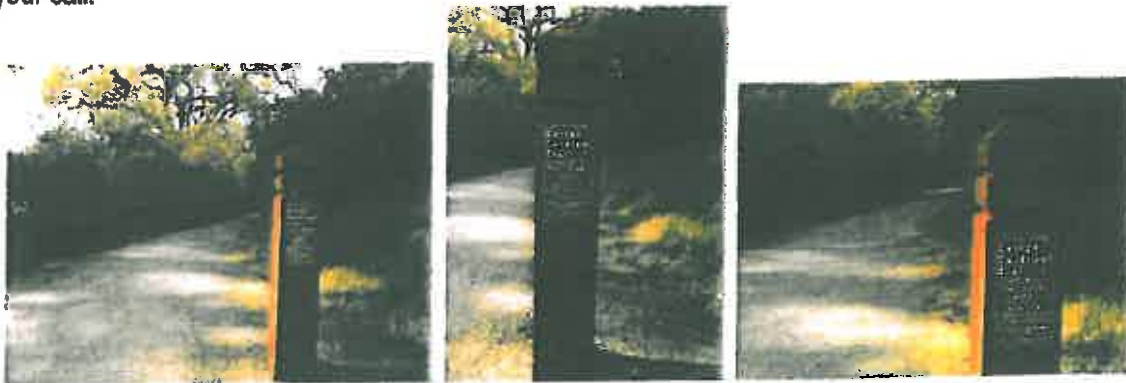
- Augment financing provided by Measure B
- Provide a venue for volunteers to help Clayton maintain and enhance its trail network
- Make the trails cleaner
- Celebrate the sponsors and volunteers that help Clayton keep the trail network one of the distinguishing characteristics of our community
- Foster civic pride through volunteerism, philanthropy, and cleanliness

The Trails and Landscape Committee has initially identified 11 trail segments to adopt. Each segment can have two adopters: a financial adopter and a clean-up adopter. Besides paying the annual fee (\$1,000 for financial adopters and \$200 for clean-up adopters), clean-up groups must identify a leader/contact person and complete the attached form. Markers are installed at the time a financial sponsor is found for that trail segment.

Segments are assigned on a first-come, first-served basis. Adopters wanting recognition on the trail markers must also provide information that conforms to the city design specs for the markers.

Up to 10 T-shirts will be provided to each clean-up group.

If you are interested in participating in this program or would like additional information please leave your contact information on the **Adopt - A - Trail Hot Line at 673- 7369**, and a Committee member will return your call.





Adopt-a-Trail Projects could include but are not limited to the following items, please mark all that apply to your project. This must be approved by the Department of Public Works and Engineering before work can begin.

**Suggested Project Items**

- Pick up litter and debris (required)
- Remove weeds (required)
- Raking and sweeping (required)
- Minor repairs of surfaces/furnishings
- Other \_\_\_\_\_
- Monitor/report maintenance needs (req)
- Plant trees\*
- Plant and maintain flowerbeds\*

\* The planting of all flowers, trees and other plants must be pre-approved by the city. Support for special projects by adopting organizations will be arranged through the Trails and Landscaping Committee.

**WORK SCHEDULE**

Each group is required to have at least one work day every 4 months (total of 3 per year). Please list tentative dates for each work day. You will be expected to inform the Department of any date changes at least 2 weeks in advance.

Work Day #1 _____	Additional Work Days _____
Work Day #2 _____	_____
Work Day #3 _____	_____

\_\_\_\_\_  
(signature/date)

Group Coordinator

\_\_\_\_\_  
(signature/date)

(for the Trails and Landscaping Committee)

**POLICIES**

- The city will provide necessary trash bags, debris pickup, and hauling to ensure the success of ongoing tasks.
- Adopting organizations may keep and haul away for resale off site all recyclable trash they pickup.
- No one under the age of 14 may participate without adult supervision.
- While performing services at special project sites adopters will conform, at a minimum to the State of California Standard Specifications for hours of work, noise abatement, traffic control, erosion control, fire protection and management of materials.

\_\_\_\_\_  
(signature/date)

Group Coordinator

\_\_\_\_\_  
(signature/date)

[for the Trails and Landscaping Committee]

Please return application to \_\_\_\_\_

For questions, please contact \_\_\_\_\_

\_\_\_\_\_  
Phone

\_\_\_\_\_  
email

Payment received: \_\_\_\_\_  
Date

By: \_\_\_\_\_



CITY OF CLAYTON

# Peacock Creek Trail



1.27 Miles

---

Trail Grade  
75% Steep  
25% Level

---

Surface  
Crushed Granite

---

This Trail Segment Adopted By:

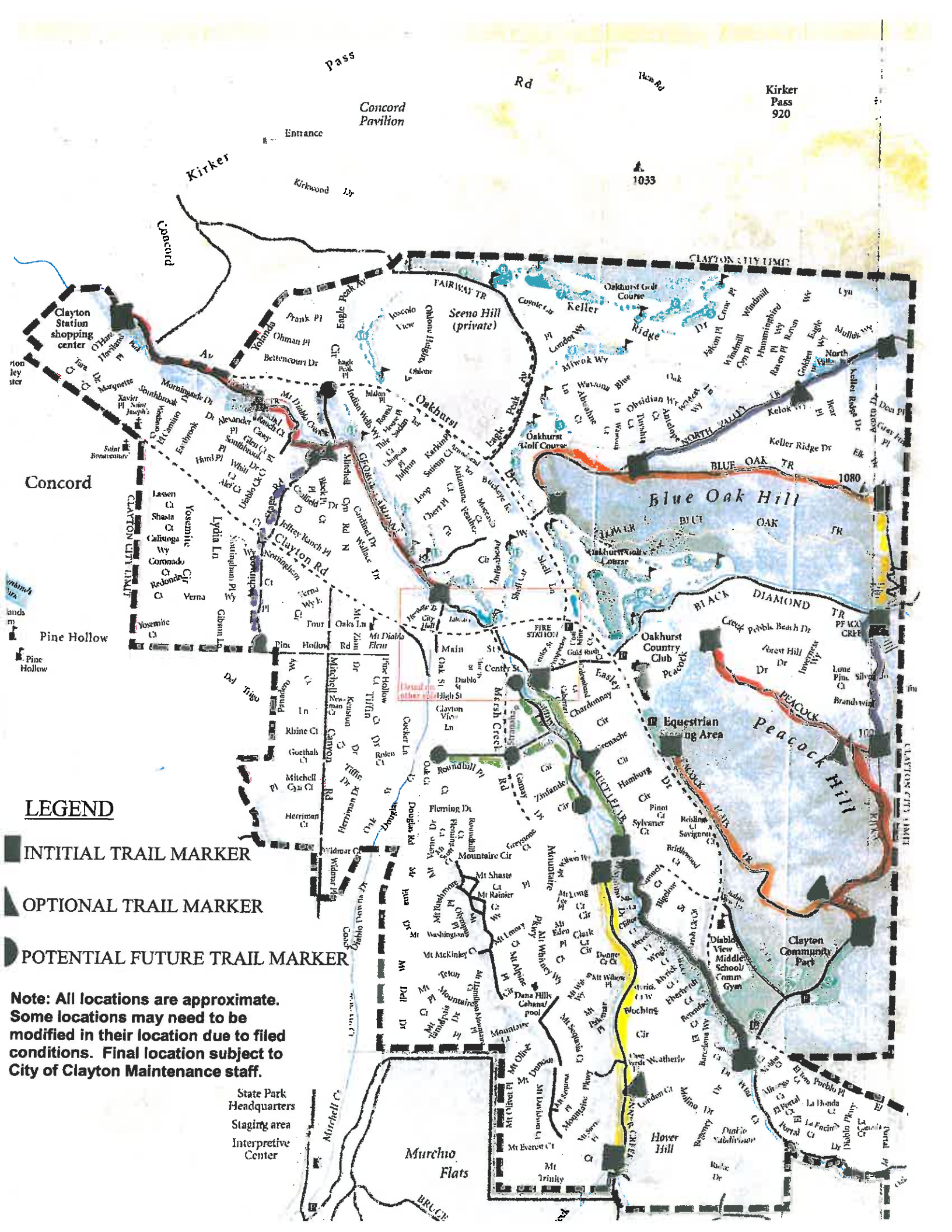
**COMCAST  
Cable**

**Clayton Valley  
Little League**

↑↓ 12" overall sign height

←→ 6" total sign width

↔  
8" x 8" wood mitered routed post w/metal sign  
(brown background/white lettering) mounted inset onto post



Pass

Rd

Rd

Kirker Pass 920

Concord Pavilion

Entrance

1033

Kirker

Kirkwood Dr

Concord

CLAYTON CITY LIMITS

Clayton Station shopping center

Seeno Hill (private)

Oakhurst Golf Course

CLAYTON CITY LIMITS

Concord

Blue Oak Hill

Pine Hollow

BLACK DIAMOND TR

PEACOCK HILL

**LEGEND**

INITIAL TRAIL MARKER

OPTIONAL TRAIL MARKER

POTENTIAL FUTURE TRAIL MARKER

Note: All locations are approximate. Some locations may need to be modified in their location due to filed conditions. Final location subject to City of Clayton Maintenance staff.

State Park Headquarters  
Staging area  
Interpretive Center

Murchio Flats

Hover Hill

CLAYTON CITY LIMITS

Mitchell C

BRUCE

CLAYTON CITY LIMITS

## CLAYTON'S TRAILS & LANDSCAPE COMMITTEE (TLG)

Formed by the Clayton City Council in August 2007

Comprised of up to 11 volunteer members of the Clayton community

Helps the city implement the voter-approved plan to manage the current and future needs of the citywide Landscape Maintenance District

Helps to manage and support Clayton's Adopt-A-Trail program



Serves as a financial oversight committee and provides short and long term implementation guidance to city staff and the City Council

The Landscape Maintenance District consists of roadway edge and roadway median landscaping, trail maintenance and fire abatement on trails and open space (city parks and the Clayton fountain operation are not included in the district)

Funds can only be used for spending within and for the Landscape Maintenance District

## GET INVOLVED!

The Trails and Landscape Committee meets quarterly on the 3rd Monday of the month at 7pm at the Clayton Library

Clayton residents are encouraged to attend these meetings to provide public opinion and ask questions

Meeting agendas are posted online: City web site at [www.ci.clayton.ca.us](http://www.ci.clayton.ca.us)

Printed copies at:

City Hall, 6000 Heritage Trail;  
Clayton Library, 6125 Clayton Road;  
Olm's Bulletin Board, 1028 Diablo St

Please direct any questions or concerns to the City of Clayton via the website or address above



## 2012 Trails & Landscape Committee Members

Jake Pauline (Chair)  
Kelly Marshall (Vice Chair)  
Larry Casagrande  
A.J. Chipperre  
Robert Erlich  
Harun Simbiri  
Alyse Smith  
Bob Steiner



## Trails & Landscape Committee 2012

Agenda Date

3/25/13

5(i)



## THE LANDSCAPE MAINTENANCE DISTRICT: CLAYTON'S "FRONT YARD"

- The Landscape Maintenance District covers:
- over 2 million square feet of landscape
  - 40,700 square feet of lawns and flowerbeds
  - Almost 3,000 city trees
  - 515 acres of open space
  - 7 miles of creek side trails
  - 20 miles of open space trails
  - Approximately 50 street islands and medians

The District uses the equivalent of only three full time staff along with seasonal and volunteer workers

### HOW IS THE DISTRICT FUNDED?

Measure B, a special 10-year special parcel tax passed by Clayton voters in June 2007 funds the District

Measure B is the only source of funding for the Landscape District supplies, electricity, irrigation, water, and labor

Funds may only be used for voter approved Landscape District expenses

## Trails & Landscape Committee

### ADOPT-A-TRAIL

If you are one of the many Clayton residents that enjoy our trail system you can further help the Landscape Maintenance District and beautify Clayton's trails by Adopting a Trail

This program aims to:

- Augment financing provided by Measure B
- Provide a venue for volunteers that help Clayton maintain and enhance it's trail network
- Make the trails cleaner
- Celebrate the sponsors and volunteers that help Clayton keep the trail network one of the distinguishing characteristics of our community
- Foster civic pride through volunteerism, philanthropy, and cleanliness

If you are interested in participating in this program or would like additional information please leave your contact information on the Adopt-A-Trail Hot Line at 925-673-7369 and a Committee member will return your call

### TLC's STRATEGIC FOCUS

- Remove unwanted expenditures and control costs with strict oversight
- Create equity in the District
- Implement cost effective measures to improve irrigation and infrastructure
- Invest in modern equipment to increase maintenance efficiency and effectiveness
- Implement seasonal and situational based labor to minimize costs

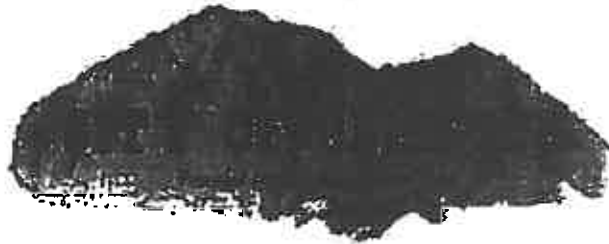
### STANDARDS & PRIORITIES FOR THE DISTRICT

- Mandatory firebreaks
- Weeds trimmed along major trails and creeks twice a year
- Trees trimmed for safety purposes
- Irrigation breaks repaired as necessary
- Public roadway landscaping trimmed twice a year
- Landscape areas fertilized once a year as necessary



Agenda Date: 3/25/13,

Agenda Item: 5(d)



## 2009 Future Trail Improvements

### Overview:

The cities trail system has a wide variety of trails for a wide variety of users. Trails that travel through town are used by joggers, hikers, bikers, and even strollers. The trails following along the hillsides are used by hikers, nature seekers, and people enjoying the open space with their pets. We even have more extreme trails traversing up steep hills and narrow canyons. By understanding its users we can better understand the types of trails that will appeal to it users, and make upgrades to those trails to allow for a better trail experience. The following list contains the only major trail reconstruction improvements that we feel would best suite the monies that may be available through the Bond Measure WW of the East Bay Regional Park District. For this reason we have chosen projects concentrate on trails that run through the middle of the city. By reconstruction of the trails to a smooth surface will result will result in allowing a wider variety of users. The following list is in the order of Maintenance staff recommendation of priority. [highest to least]

①

### \*Upper Easley Trail\*

(Bruce Lee Trail)

#### Proposed Future Improvements

- Reconstruct with smooth asphalt

**Evaluation:** This trail had approximately 1,200 linear ft of grind and pave completed in the summer of 2008. Completing the rest of this trail into the downtown area would be a huge improvement.

**Estimated Cost: \$73,584**

②

### \*George Cardinet Trail\*

**Overview:** Current condition is decomposed crushed gravel. Reconstruct with a smooth asphalt surface to the Cardinet Trail, combined with the completion of the Bruce Lee Trail, gives the city a multi-use trail connecting both ends of town.

2a

### Library Section

#### Proposed Future Improvements

- Reconstruct with smooth asphalt

**Evaluation:** This is a small section of trail that would need a 10' wide smooth asphalt finish to allow for maintenance access along the backside of the library. The section running through the Keller Ranch area would be left as is, and finally a small section along the creek would need a 6' wide path.

**Estimated Cost: \$8,580 10' library section: \$1,000 for creek side trail**

2b

**Diablo/Keller Section**

**Proposed Future Improvements**

- Reconstruct with smooth asphalt

**Evaluation:** This is the least accessible section of Cardinet Trail, and makes it a little more costly to do any maintenance or improvements. It will be a challenge getting over the bridges.

**Estimated Cost: \$96,000**

2c

**Westwood/Lydia Section**

**Proposed Future Improvements**

- Reconstruct with smooth asphalt

**Evaluation:** This section already has a asphalt chip seal finish. We would have to remove / grind down the current path in order to reconstruct with a smooth asphalt finish.

**Estimated Cost: \$91,089**

2d

**Silvercreek Path**

**Proposed Future Improvements**

- Reconstruct with smooth asphalt

**Evaluation:** This small access path has a portion of the asphalt lifted by a pepper tree, and some lifted concrete areas that we would reconstruct and replace with a smooth asphalt finish. This project could be done with other asphalt reconstruction projects overlays, or in house with existing funds.

**Estimated Cost: \$2,000**

3

**Diablo View**

**The Flats Trail**

**Proposed Future Improvements**

- Reconstruct with smooth asphalt

**Evaluation:** This trail would probably need to have a wood border replaced in sections where the slope is steep to the roadway.

**Estimated Cost: \$50,166 for surface; \$2,500 for border**

4

**\*Donner Creek Trail\***

**Proposed Future Improvements**

- Reconstruct with smooth asphalt

**Evaluation:** There is approximately 1,800 ft of chip seal path to the Bloching Circle entrance, and then continues as crushed granite to the state park entrance. We would have to remove / grind and pave on the first portion of the path, but we would recommend leaving the portion leading to the state park as crushed granite. This leaves a much more pleasing appearance as you are headed towards Mt. Diablo. We would need to pave a 10' path just past the Bloching Circle entrance to provide for maintenance access of the sewer system.

**Estimated Cost: \$112,308 grind and pave; \$5,250 10' maintenance road**

5

**\*Mt. Diablo Creek Trail\***

**Proposed Future Improvements**

- Reconstruct with smooth asphalt

**Evaluation:** Although this trail has been resurfaced with smooth asphalt, there are areas that could be widened to provide for better maintenance access of the sewer system.

**Estimated Cost: \$15,750 maintenance roads**

6

**\*Lower Easley Trail\***

**Proposed Future Improvements**

- Reconstruct with smooth asphalt

**Evaluation:** This is a low priority small section of trail with a chip seal finish. It would need a grind and reconstruct with surface with smooth asphalt.

**Estimated Cost: \$63,000**

7

**Stranahan Path**

**Proposed Future Improvements**

- Reconstruct with smooth asphalt

**Evaluation:** This is a small access trail connecting Marsh Creek Rd. with Lower Easley. This is low priority, a 4' path, but would make for a nice improvement. This project could be done with other asphalt reconstruction projects overlays, or in house with existing funds.

**Estimated Cost: \$7,800**

**Trail Marker Program**

**Overview:** This would program consists of the installation of trail markers throughout the cities trail system to provide for better identification, and hopefully educate users on the many wonderful trails that surround our city.

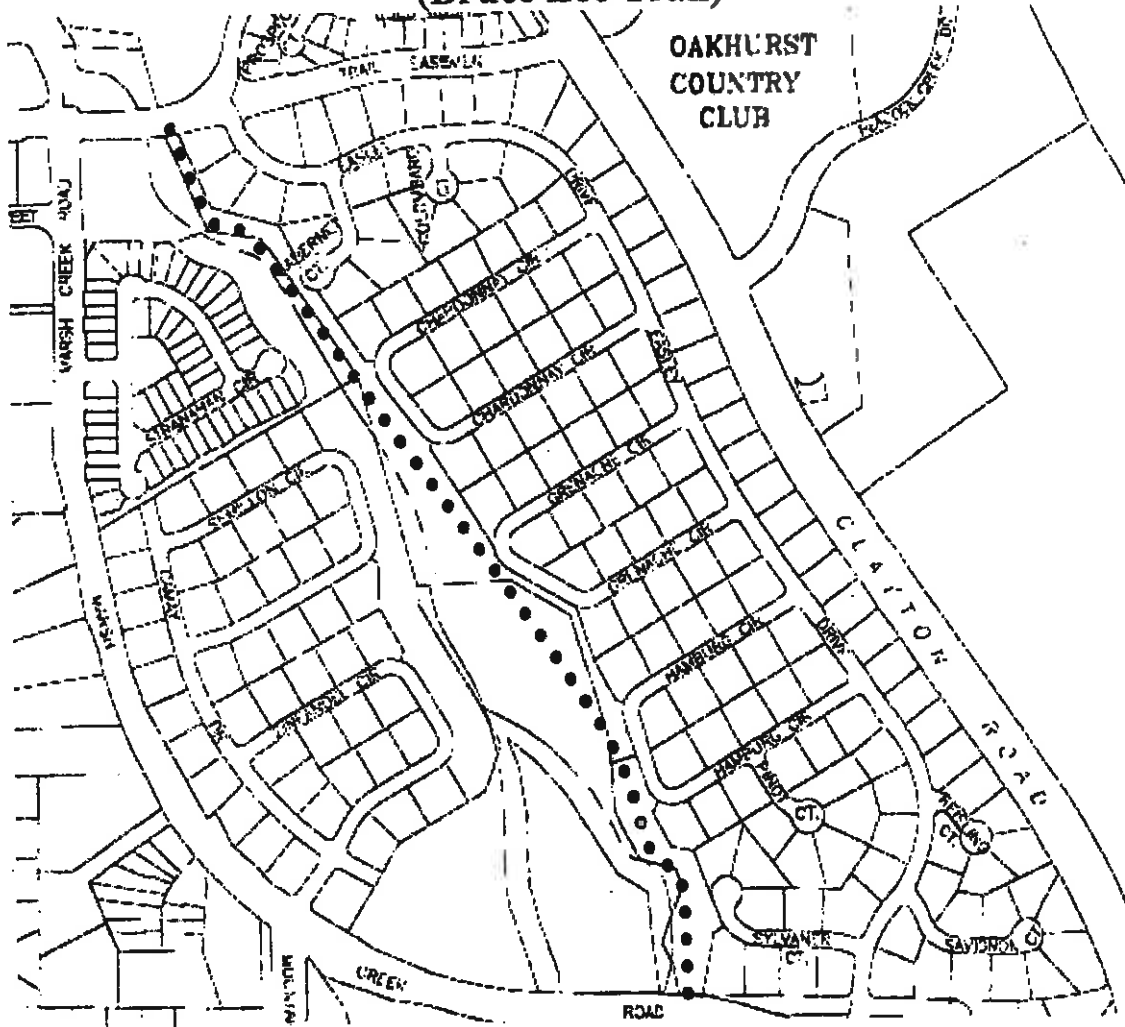
**Proposed Future Improvements**

- Install trail markers throughout the trail system.

**Evaluation:** Trail markers would be installed at the beginning and end of all trails throughout the city. Additionally we would set trail markers at all trail intersects with other major trails. Could also include addition of trail signs along the roadways where they are only currently single faces signs.

**Estimated Costs: \$16,100 approx. 46 markers**

### \*Upper Easley Trail\* (Bruce Lee Trail)



**Overview:** The Upper Easley Trail begins approx. 100' west of Easley Dr. and Center St. near the downtown area. It travels southeast between Easley estates and Mt. Diablo creek where it intersects Marsh Creek Rd.

- **Access pathways:** There are many short access paths from neighboring streets
- **Connecting trails:** Lower Easley Trail – Mt. Diablo Creek Trail – Center St. Trail – Plaza Trail

**Total traveled distance:** .56 miles

**Trail tread:** Asphalt base with a chip seal surface – 7' wide x 2,952' long - Level grade – Level cross grade. Borders steep drop off into creek.

**Structures:**

- 38' round 3 rail wood railing

**Signs:**

- 3 - 6x6 wood mile markers
- 2 - metal signs 48" x 24"

**NOTE:** There are 5 small access paths that lead to the neighborhood streets. Their widths range from 6' wide to 21' wide. Approx. 1000 sq ft of asphalt with chip seal surface.

**Annual Maintenance**

- Check asphalt for excessive cracking and seal as needed

- Check mile markers
- Replace or repair signs as needed
- Herbicide control twice a year
- Cut down weeds twice a year
- Report erosion of creek banks
- Check wood railing

**Deferred Maintenance**

- Crack seal entire length of path
- Repair wood railing
- Replace 4 sections approx. 328 linear feet of pathway

**Future Maintenance and Improvements**

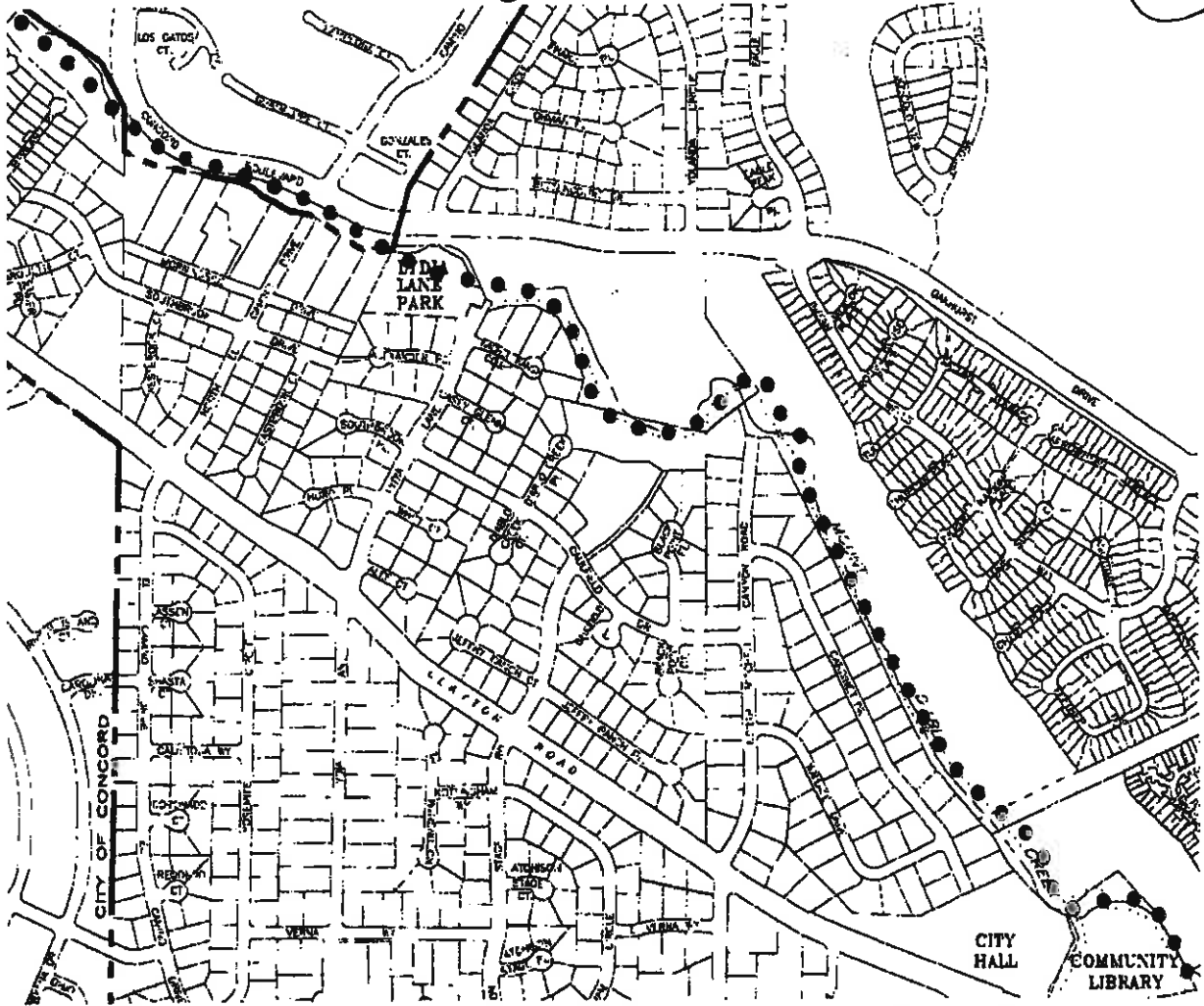
- New chip seal coat
- Resurface with smooth asphalt

**NOTE:** This stretch of trail would be greatly enhanced with a smooth finish. It would open up the trail to many different types of activities, including, roller blading, skateboarding, and commuting, adding to the quality of life in Clayton.

**Evaluation:** This trail is in fairly good shape. There are some minor sections of increased cracking, but block cracking covers most of the trail. Crack sealing the entire path added to a new chip seal surface would keep this trail looking good for years to come.

## \*George Cardinet Trail\*

#2



**Overview:** The Cardinet Trail Begins at the southeast corner of the library at the intersection of Clayton Rd. and Marsh Creek Rd. It travels north along Mt. Diablo Creek, behind the library, over a small foot bridge, and through the Keller Ranch House property. It continues down Mt. Diablo Creek, crossing over several foot bridges shaded by several large oaks and elms. The trail runs through Diablo Open Space, Lydia Lane Park, and Westwood Park where it ends at the bollards adjacent to the PG&E power box behind the Safeway property. This trail has 3 sections. The **Library Section** starts at the trail head and continues through the Keller Ranch property, the **Diablo/Keller Section** starts at the Keller Ranch property and continues to the Lydia Lane Park parking lot, and the **Westwood/Lydia Section** connects Lydia Lane Park and Westwood Park.

- **Access pathways:** 2 additional pathways connect city streets to the Cardinet Trail. The **Silvercreek Path** travels from Oakhurst drive to the junction between Mitchell Bridge and Diablo Bridge. The **Caulfield Path** travels from Caulfield Dr. to Diablo open space. *The property between Cardinet Bridge and Mitchell Bridge is owned by the golf course where the city has a trail easement.*
- **Connecting trails:** Diablo View Trail

**Total traveled distance:** 1.46 miles

**Trail tread:** 60% crushed granite, 33% asphalt, and 7% other - No wood border - Level grade - Level cross grade.

**Structures:**

- 6 Bridges
- 8 benches

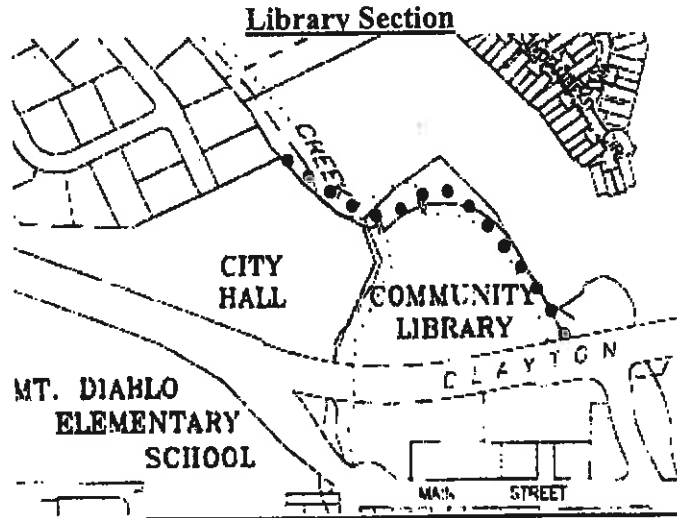
- 180' wood split rail fencing
- 90' retaining wall
- 18 5' railroad ties
- 38' round 3 rail wood railing
- 2 exercise courses.

**Signs:**

- 6-6x6 wood mile markers
- 3 metal signs

**NOTE:** All bridges are bare iron frame, concrete footings, and a 2x12 wood plank floor made by Continental Bridge, Alexandria MN 1-800-328-2047. They are all marked with a serial number.

2a



**Trail tread** - ¼ x crushed granite - 6x72' crushed gold rock 2x6 wood border on one side - 8 x 440' - ¼ x crushed granite - Level grade - Level cross grade.

**Structures**

- Keller Foot Bridge #94227 6'x76'
- 180' wood split rail fencing
- 90' Retaining wall
- 3 standard spec city redwood benches
- 1 Victorian iron/wood bench
- 3 tree up lights. (Lights are maintained with library funding.)

**Signs**

- (1) 12x18 metal George Cardinet sign (Mounted on split rail fence at the start of trail.)

**Annual Maintenance**

- Check for signs of erosion caused by library sprinklers
- Check for vehicle ruts in trail
- Inspect split rail fence for damage
- Replace or repair signs as needed
- Inspect wood retaining wall
- Inspect 2x6 wood border
- Inspect bridge floor planks and concrete footings for erosion
- Inspect entry and exit to bridge
- Repair 3 redwood benches as needed
- Inspect Victorian bench
- Cut low lying branches
- Cut down weeds twice a year
- Herbicide control twice a year
- Refill ¼ x dust as needed.



### Deferred Maintenance

- Add 2 yards crushed gold rock and
- Add 5 yards crushed granite.
- Replace 4 sections of split rail.  
(This area has been hit numerous times, and we may want to leave this as is until we see further reason to reinstall.)
- Tree up lights need to be repaired, but we will do so with library funding.

### Future Maintenance and Improvements

- This area has benefited from many different user groups. With the exception of a chain or gate to keep vehicles from driving to the back of the library, there are no proposed improvements at this time.

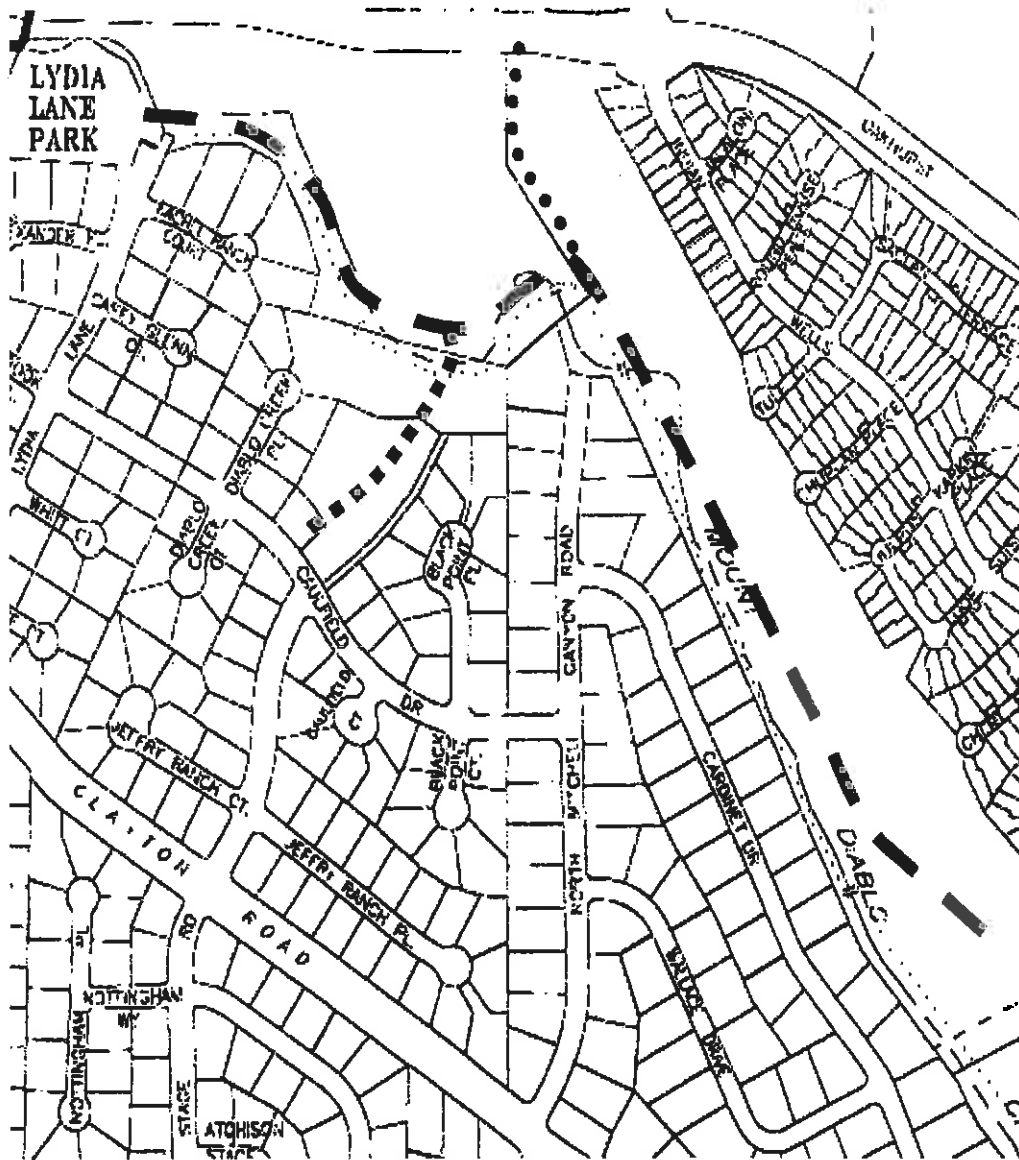
### NOTES:

(Tree up lights are maintained with library funding.)

**Evaluation:** This trail is heavily used by the residents. The Library section represents a fraction of the trail, but is very high profile. This trail is mowed while doing open space, and often maintained by library volunteers. This trail is in good shape.

### Diablo/Keller Section

2b

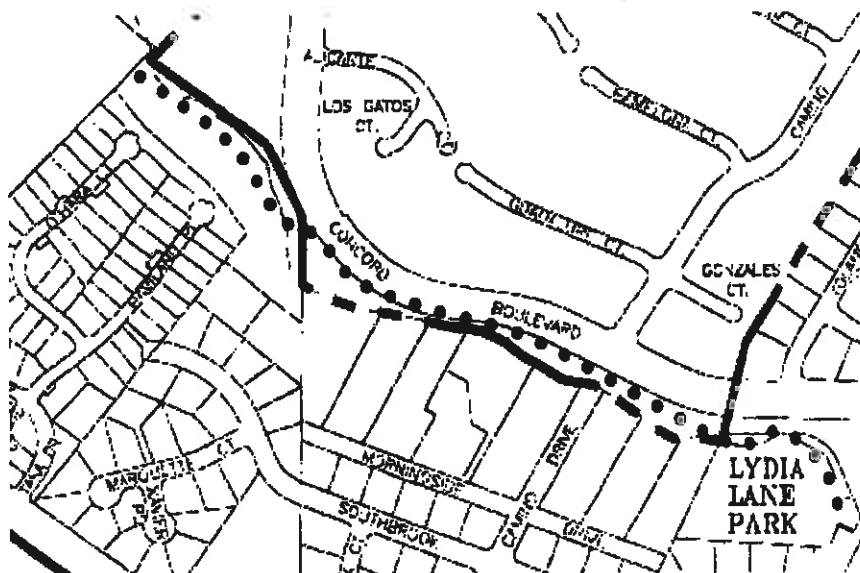




**Evaluation:** This trail is heavily used by the residents. The Diablo/Keller section has minimal access and can be labor intense. Bike jumps, tree forts, and bee hives are always a problem. Weeds are cut down while mowing open space. Creek bank needs to be monitored for erosion.

2c

### Westwood/Lydia Section



**Trail tread** - Asphalt base ( 2 bridge crossings) – 10' x 515', 6'x 62' smooth surface / 6'x 2,169' chip seal surface – Level grade – Level cross grade.

#### **Structures**

- 1 redwood bench
- 15' section of round 3 rail wood railing
- 12' section of round 3 rail wood railing
- 9' section of round 3 rail wood railing
- Lydia Bridge #91233 6'x 60'
- Westwood Bridge #91232 6'x 51'
- 2 exercise courses

#### **Signs**

- (2) 6x6 wood mile markers
- 18"x36" metal sign with metal posts
- 12"x18" metal sign on 6x6 wood post.

#### **Annual Maintenance**

- Check asphalt for excessive cracking and seal as needed
- Cut low lying branches
- Cut weeds twice a year
- Herbicide control twice a year
- Check footings of bridges for erosion
- Check bridge 2x12 wood planks
- Inspect entry and exit to bridges
- Inspect wood mile markers
- Replace or repair signs as needed
- Check wood railings
- Inspect exercise courses.

**NOTE:** Weeds will be cut down with open space mowing

### **Deferred Maintenance**

- Crack seal entire trail
- Chip seal where applicable
- Repair wood railing at Westwood Bridge
- Replace (4) 2x12 wood planks at Westwood Bridge.

### **Future Maintenance and Improvements**

- Resurface chip seal with fresh asphalt.

#### **NOTES:**

(Applying a smooth surface to trail would allow for a larger variety of users.)

(There is 1 exercise course located in each park.)

**Evaluation:** This trail is heavily used by the residents. The Lydia/Westwood section is the most maintenance friendly part of the trail. This trail is in great shape.

## **Access Paths**

### **Silvercreek Path**

**Total traveled distance:** 741 feet

**Tread** – Asphalt base – 8' x 741 – Level grade with 40' Steep grade to Cardinet Trail – Level cross grade.

#### **Structures**

- 37' retaining wall

#### **Signs**

- 6x6 wood trail marker with 4"x6" aluminum sign

#### **Annual Maintenance**

- Crack seal pathway
- Inspect wood trail markers
- Replace or repair signs as needed
- Spot spray weeds
- Check erosion by retaining wall and path slope
- Inspect retaining wall

#### **Deferred Maintenance**

- Repair 8'x16' section of asphalt lifted by pepper tree
- Repair lifted concrete

#### **Future Maintenance and Improvements**

- Add blocks to retaining wall
- Replace 6'x20' section of lifted concrete with asphalt

#### **NOTES:**

(Building retaining wall to 3 block heights will help prevent slope from sliding on the trail.)

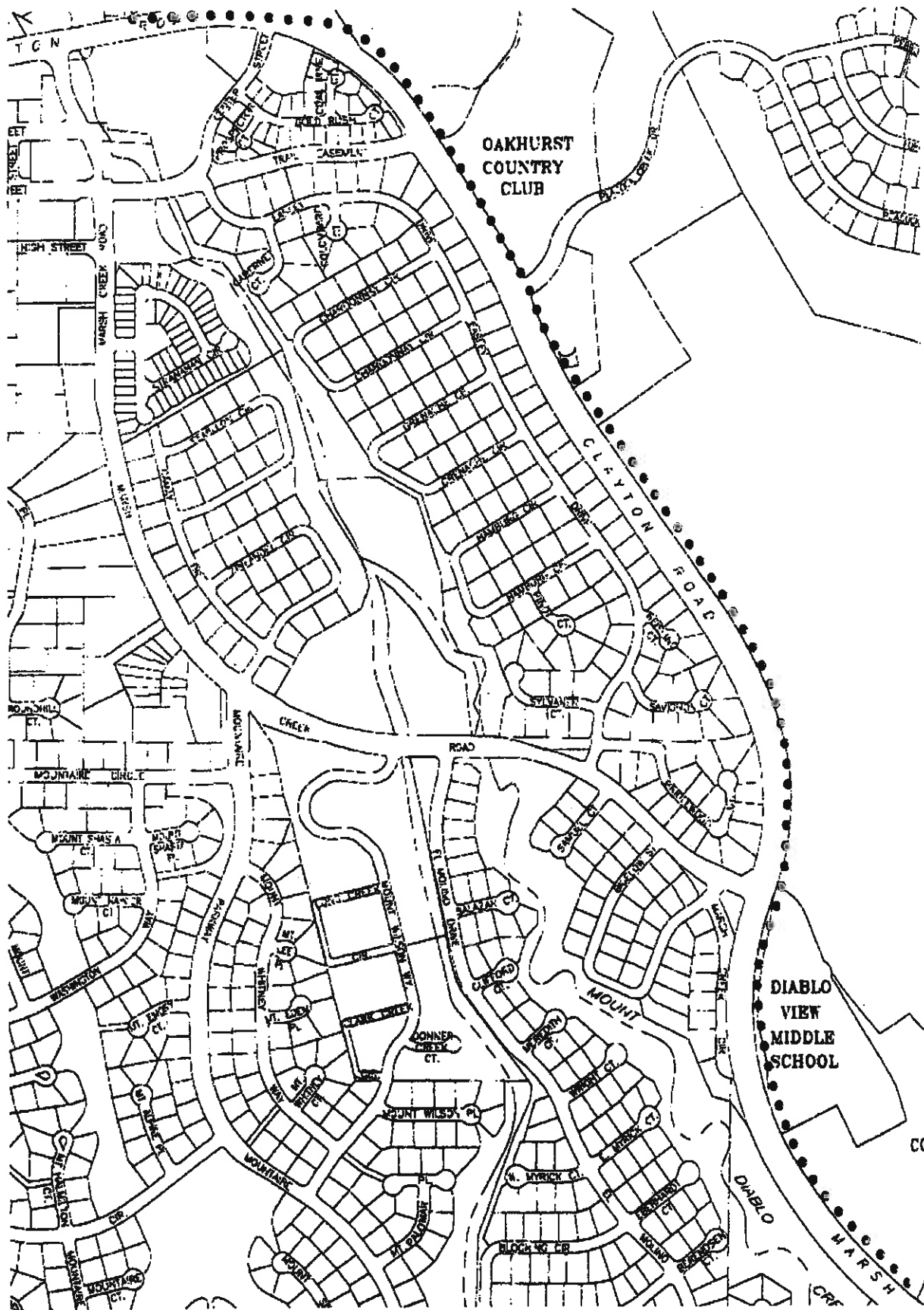
(Removing concrete and replacing with asphalt will be consistent with the rest of the path, and avoid any future lifting.)

**Evaluation:** The lifted section of concrete is the old golf cart path. This needs to be removed and replaced with asphalt. The retaining wall needs to be raised in to prevent runoff onto the Cardinet Trail. The area of asphalt damaged by the pepper tree needs to be replaced to avoid injury.

2d

**\*Diablo View Trail\***

#3



- Refill crushed gold rock as needed.
- Refill crushed granite as needed
- Report and repair any holes caused by ground squirrels

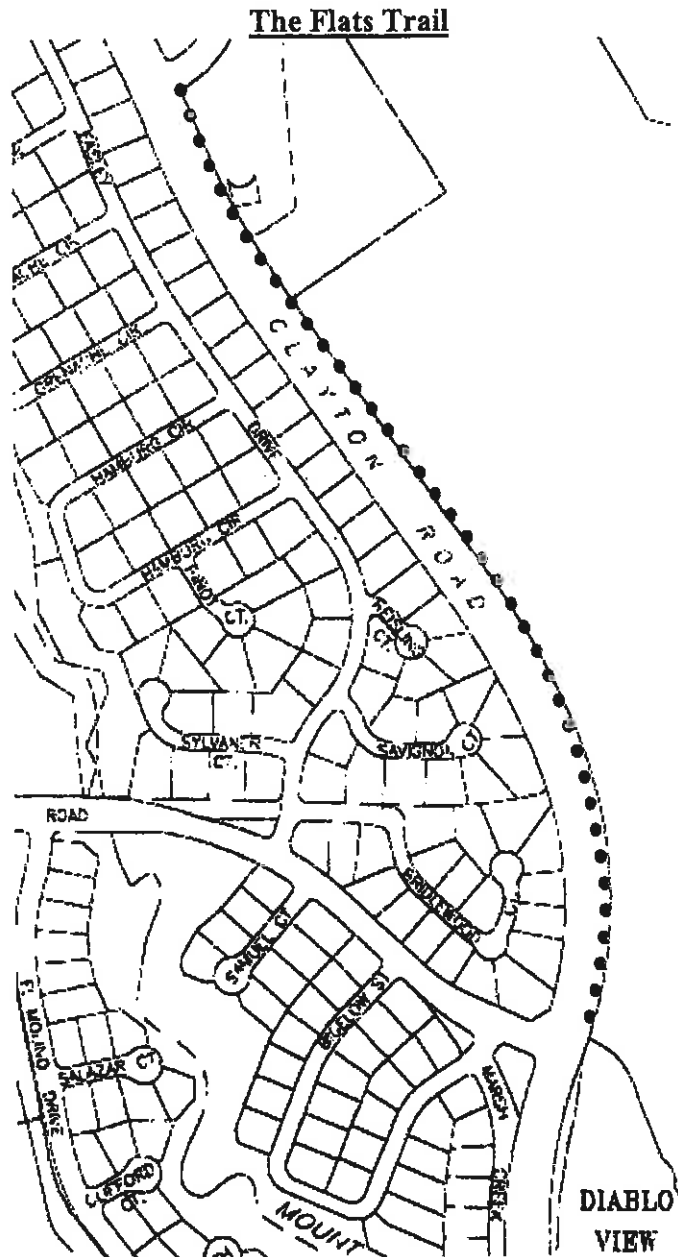
**Deferred Maintenance**

- Add 5 yds crushed granite
- Add 5 yds crushed gold rock
- Replace approx. 200' of border along trail

**Future Maintenance and Improvements**

- None to report

**Evaluation:** This trail could use some fresh gold rock and wood border repair. We have to keep an eye on low lying branches and broken sprinklers. Keeping the weeds down by spot spraying gives it a more pleasant appearance. This trail is in fairly good shape.



**Trail tread** – ¼ x crushed granite – Double sided 2x6 wood border – 4' wide x 2,787' long –  
**Level grade** – Sloped cross grade.

**Structures**

- None

## **Signs**

- None

## **Annual Maintenance**

- Check grade and cross grade for signs of erosion caused by rain
- Check wood borders
- Replace or repair 2x6 wood borders as needed
- Cut down weeds twice a year
- Herbicide control twice a year
- Refill ¼ x crushed granite as needed.
- Report and repair any holes caused by ground squirrels

## **Deferred Maintenance**

- Add 20 yds crushed granite
- Replace approx. 1000' of border along trail

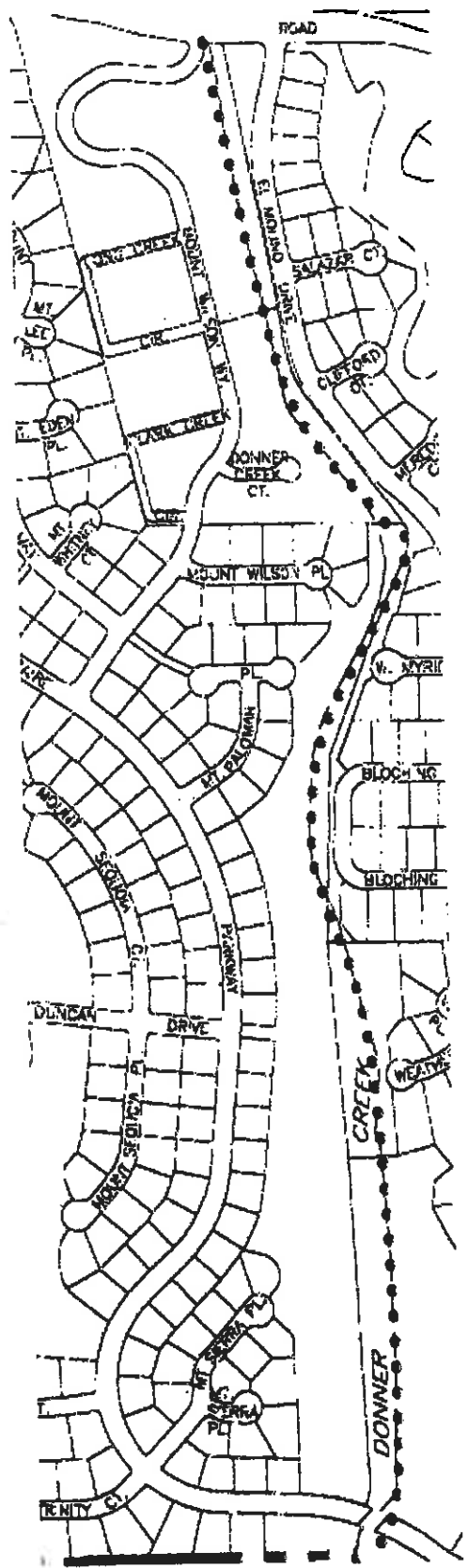
## **Future Maintenance and Improvements**

- Eliminate wood border on some portions of trail.

**Evaluation:** Areas where the trail has a steeper cross grade would need to maintain the border, but areas where the trail is wide can be eliminated. This would also aide in the annual mowing which often times destroys the border sections that have been lifted. Adding ¼ x crushed granite will give this trail a fresh new look.

#4

**\*Donner Creek Trail\***





**Overview:** The Donner Creek Trail begins at El Molino Park at the corner of Old Marsh Creek Rd. and El Molino Dr. It follows Donner Creek and El Molino Dr. for approx. 1500' and then continues along Donner Creek behind the neighborhood homes. It has a 75% asphalt base and a 25% crushed granite base. The end of the trail leads you to the Donner Creek entrance of Mt. Diablo State Park

- **Access paths:** There are 2 access roads leading to this trail. They are open space access roads, and are maintained when servicing open space.
- **Connecting trails:** None

**Total traveled distance:** .68 miles

**Trail tread:** Asphalt base with a chip seal surface – 7'wide x 1,454' long – Level grade – Level cross grade. Asphalt base with a chip seal surface – 6'wide x 1,220' long – Level grade – Level cross grade. ¼ x crushed granite – 6' x 934' – Level grade – Level cross grade

**Structures:**

- 4 – wood benches
- 1 – chained entrance with 2 8x8 posts and 3 steel poles

**Signs:**

- 2 – 6 x 6 wood mile markers
- 1 - metal signs 48" x 24"

**Annual Maintenance**

- Check asphalt for excessive cracking and seal as needed
- Check mile markers
- Lube locks on chained gate
- Check reflectors on chain
- Replace or repair signs as needed
- Herbicide control twice a year
- Cut down weeds twice a year
- Report erosion of creek banks
- Repair or replace benches as needed
- Cut down low lying limbs
- Refill ¼ x crushed granite as needed

**Deferred Maintenance**

- Crack seal entire length of path
- Repair 1 section approx. 15 sq ft asphalt along El Molino Dr.
- Repair approx. 100 sq ft of path before gate
- Remove and repair crushed asphalt after gate.
- Add 10 yards crushed granite

**Future Maintenance and Improvements**

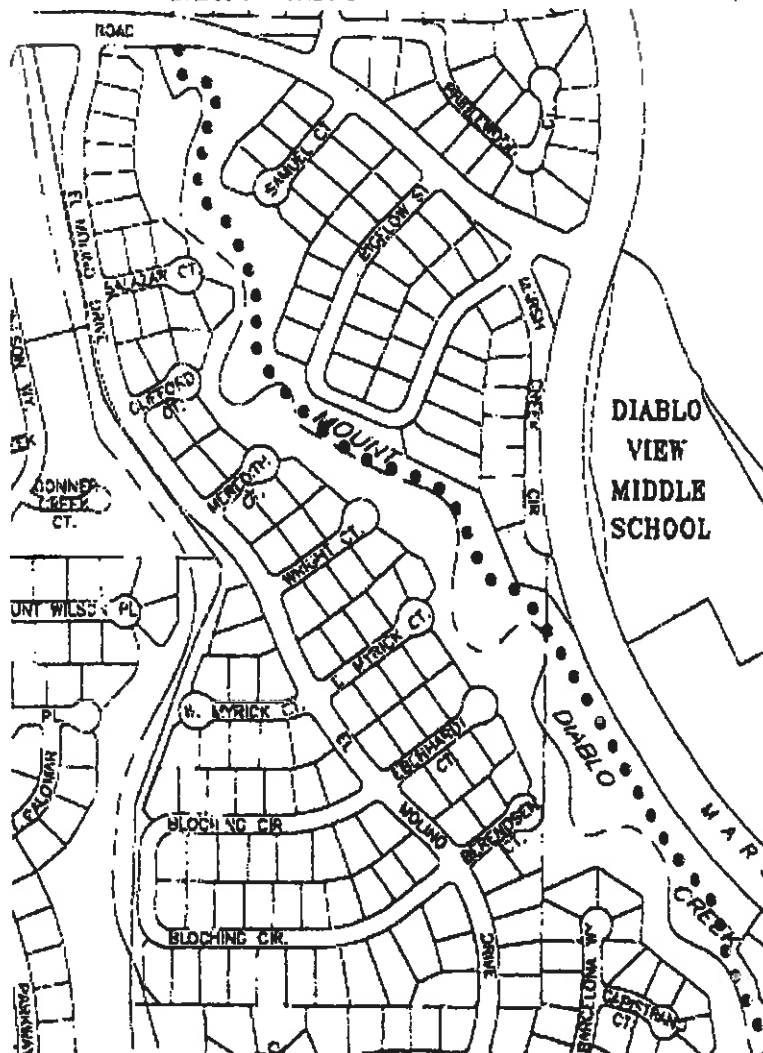
- New chip seal coat
- Remove crushed asphalt after gate and replace with crushed granite.
- Resurface Chip seal with smooth asphalt

**NOTE:** All chip sealed surface trails could be enhanced with a smooth surface.

**Evaluation:** This trail is in fairly good shape. There are some areas that need to be replaced, repaired, or removed, but otherwise this trail looks good.

# "Mt. Diablo Creek Trail"

#5



**Overview:** The Mt. Diablo Creek Trail Begins at the end of Upper Easley Trail on Old Marsh Creek Rd. ending at Regency Dr. It travels northeast along Mt. Diablo Creek through open space areas adjacent to the neighborhood. There are 4 small access paths by the city dog park.

- **Access paths:** There are many short access paths from neighboring streets.
- **Connecting trails:** Upper Easley Trail

**Total traveled distance:** .67 miles

**Trail tread:** Asphalt base with a chip seal surface – 6' wide x 3,543' long - Level grade – Level cross grade. Some areas are bordered by steep cliffs down to the creek. There is approx. 350' of steep hill in the middle section of the trail.

**Structures:**

- 20' round 3 rail wood railing – 5 posts

**Signs:**

- 3 – 6 x 6 wood mile markers

**NOTE:** There are 4 small access paths that lead to the neighborhood streets. Their widths are approx. 6' wide totaling approx. 1700 sq ft of asphalt with chip seal surface.

**Annual Maintenance**

- Check asphalt for excessive cracking and seal as needed
- Check mile markers
- Check for graffiti
- Herbicide control twice a year
- Cut low lying limbs
- Cut down weeds twice a year
- Report erosion of creek banks
- Check wood railing

**Deferred Maintenance**

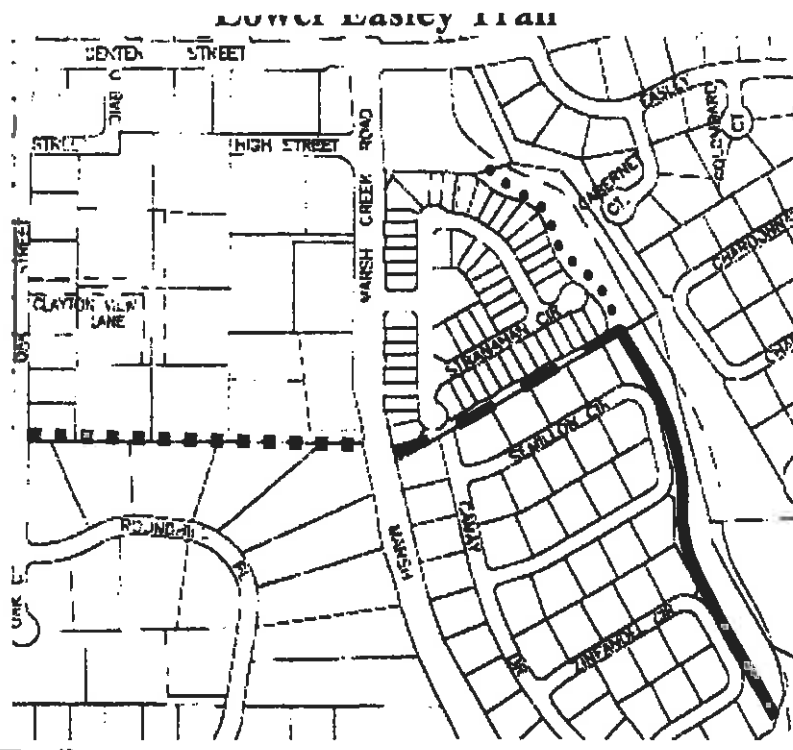
- Crack seal entire length of path
- Repair wood railing
- Replace 1 sections approx.300 linear feet of pathway ( by man hole)
- Replace 1 section 10 x 15 sq ft (top of hill by catch basin)

**Future Maintenance and Improvements**





- New chip seal coat (upper section of trail)
- Resurface (lower section of trail)

**NOTE:** The City of Concord accesses this area to service our sewer system. This should be taken into account with any improvements to this area.

**Evaluation:** This trail is in the worst shape of all the cities asphalt trails. The lower section of this trail is experiencing approx. 75% cracking along all areas. There is approx. 1500' that needs to be replaced. Crack sealing would not even provide much of a band aid. The 350' hill portion of this trail has multiple spider cracks and needs to be replaced in the near future. The upper portion of this trail has a small 150 sq ft section that needs to be replaced, but otherwise can be crack sealed to prevent further block cracking.



#6

- Lower Easley Trail 
- Stranahan Path 
- Oak St. Path 
- Mudville Path 

**Overview:** The Lower Easley Trail is a small neighborhood trail that leads to many surrounding areas including Upper Easley Trail, Mudville Path to the downtown area, and Stranahan Path to Marsh Creek Rd. It stretches north and south leading from the Easley Estate to Stranahan subdivision following along Mt. Diablo Creek. A (Connector path) allows you to cross a bridge and continue up to Upper Easley Trail. The south end of the trail is where Donner Creek flows into Mt, Diablo Creek, and the north end of the trail divides into 2 separate trails that lead to Marsh Creek Rd. and the downtown area.

- **Access pathways:** The Stranahan Path splits off to the left from Lower Easley Trail heading north to Marsh Creek Rd. The Oak St. Path runs north to south between Oak St. and Marsh Creek Rd. across from the Stranahan Path. The Mudville Path splits off to the right heading north to the parking lot behind Mudville Grill.
- **Connecting trails:** Upper Easley Trail – Mudville Trail – Stranahan Trail

**Total traveled distance:** .23 miles

**Trail tread:** Asphalt base with a chip seal surface – 6' wide x 1,200' long - Level grade – Level cross grade. (Connector path) Asphalt base with chip seal surface 6' wide x 300' long – Sloped grade – Sloped cross grade.

**Structures:**

- 6' x 50' iron bridge with 2x12 wood planks.

**NOTE:** There are no identification markings on the bridge.

**Signs:**

- None

**NOTE:** There are 2 small access paths that lead to the neighborhood streets. Their widths are approx. 7'' wide. Approx. 250 sq ft of asphalt with chip seal surface.

**Annual Maintenance**

- Check asphalt for excessive cracking and seal as needed
- Cut low lying branches
- Herbicide control twice a year
- Cut down weeds twice a year
- Report erosion of creek banks
- Inspect bridge planks
- Inspect bridge footings

**Deferred Maintenance**

- Crack seal entire length of path

**Future Maintenance and Improvements**

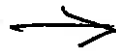
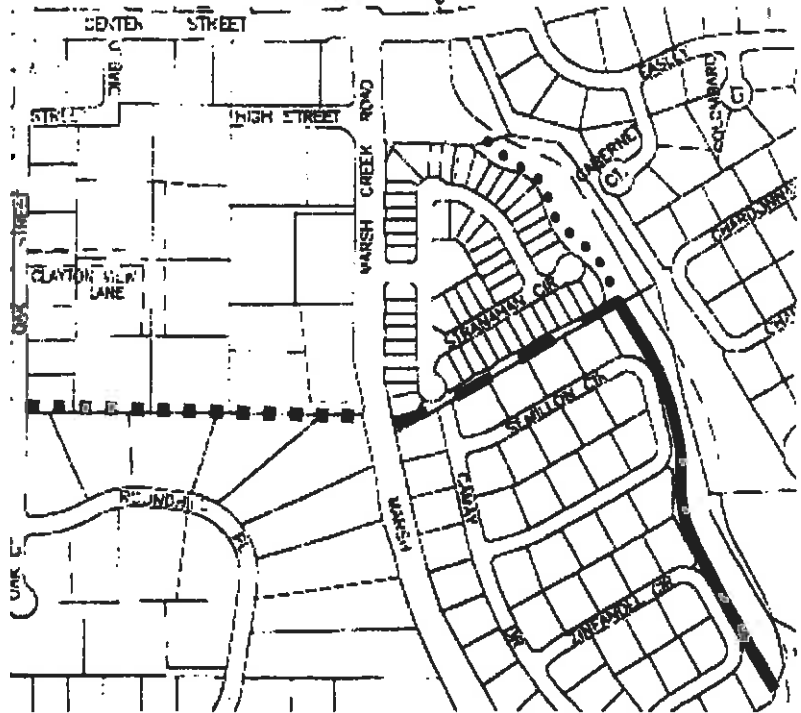
- New chip seal coat
- Resurface with smooth asphalt

**NOTE:** It is always an improvement to have a smooth surface on this type of trail.

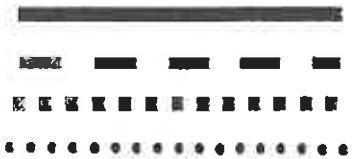
**Evaluation:** This trail is in fairly good shape. There are some block cracking covering most of the trail. Crack sealing the entire path added to a new chip seal surface would keep this trail looking good for years to come. Many oaks have been planted in the last 5 -10 years in this section of trail. These oaks will need to be trimmed away from the trail in the near future.

# \*Lower Easley Trail\*

#7



Lower Easley Trail  
Stranahan Path  
Oak St. Path  
Mudville Path



## **Access Paths** **Stranahan Path**

**Total traveled distance:** 650 feet

**Trail tread** – ¼ x crushed granite 5'x 650' – Level grade – Level cross grade. 25' x 15' crushed granite seating area

### **Structures**

- 2 - 6' backed wood benches with metal frames

25

### **Signs**

- None

### **Annual Maintenance**

- Inspect benches
- Spot spray weeds
- Refill ¼ x crushed granite as needed.
- Cut down weeds twice a year
- Herbicide control twice a year

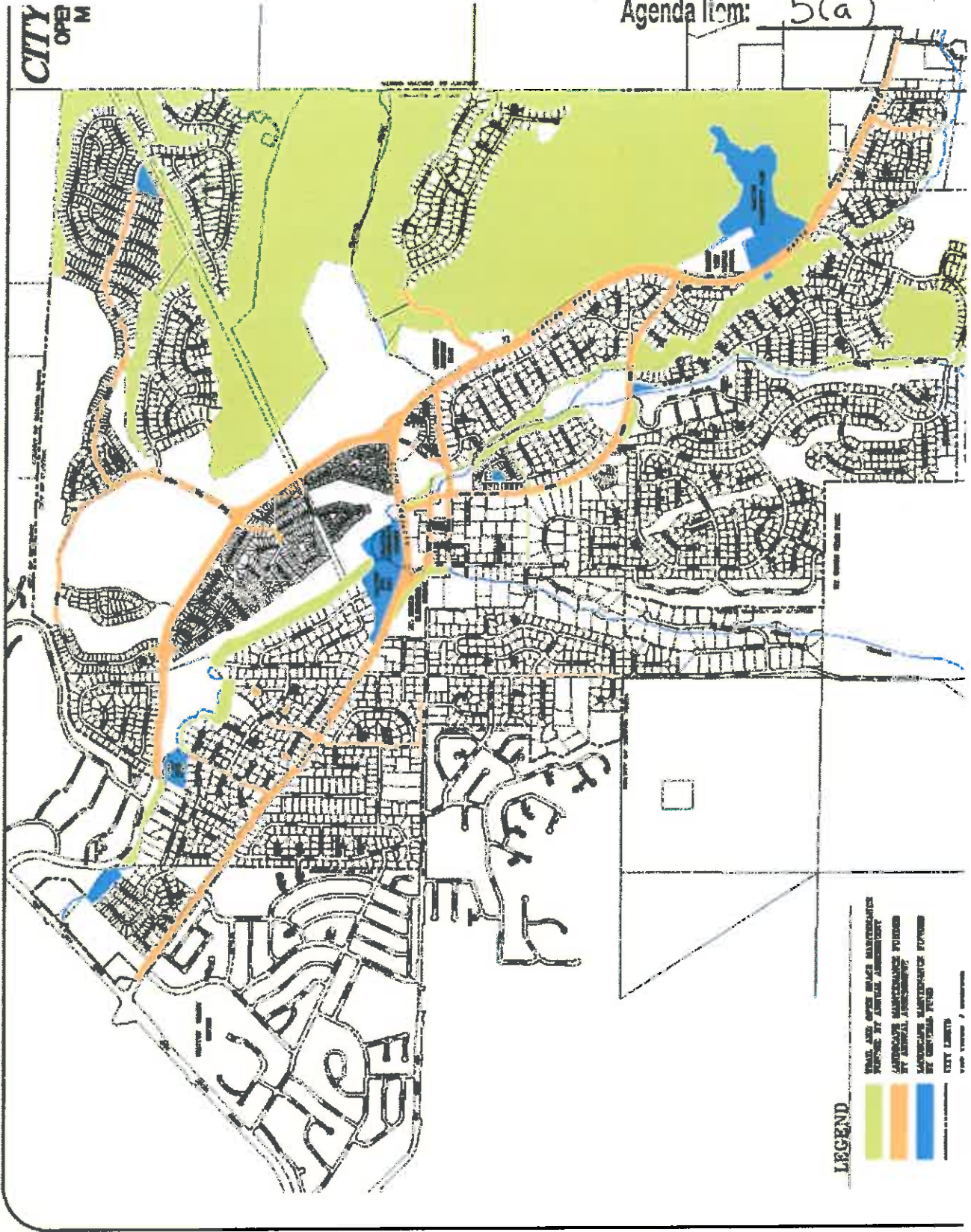
### **Deferred Maintenance**

- Repair lip around catch basin

### **Future Maintenance and Improvements**

- None

**Evaluation:** This is a small access trail that gets little use, so maintenance should be minimal.





**A RESOLUTION AMENDING THE ENDING DATE TO DECEMBER 31  
OF THE TERM OF OFFICE FOR MEMBERS OF TRAILS AND LANDSCAPE  
COMMITTEE (THE CITIZENS' OVERSIGHT COMMITTEE) TO THE  
CITYWIDE LANDSCAPE MAINTENACE DISTRICT (CFD 2007-1) AND  
EXTENDING THE CURRENT MEMBERS TERM ACCORDINGLY**

**THE CITY COUNCIL  
City of Clayton, California**

**WHEREAS**, by resolution No. 08-2006 adopted on February 21, 2006, the Clayton City Council established and appointed a permanent citizens' advisory committee entitled "Trails and Landscaping Committee" for the 1997 Citywide Landscape Maintenance District (CFD 1997-1); and

**WHEREAS**, the City of Clayton, set forth in Resolution No 08-2006 that the terms of the TLC members shall be an overlapping two year term of office for each member, ending June 30<sup>th</sup>.

**WHEREAS**, the Trails and Landscape Committee members have been operational for almost four years and have experienced practical timing issues with their terms ending on June 30<sup>th</sup>; and

**WHEREAS**, at their January 24, 2011 meeting the Trails and Landscape Committee members discussed options to better allow newly appointed members to participate in their tasks especially the Landscape Budget Review of the Landscape District and the preparation and presentation of the Annual Report for the Landscape District; and

**WHEREAS**, at their January 24, 2011 meeting the Trails and Landscape Committee members unanimously recommended that the City Council modify the terms so that each members term of office would coincide with the end of the calendar year, December 31<sup>st</sup>; and

**WHEREAS**, each currently appointed TLC member is willing to extend their current service by six months to Dec 31<sup>st</sup>; and

**WHEREAS**, the City Council considered the request of the TLC members at their public meeting of March 15, 2011.

**NOW, THEREFORE, BE IT RESOLVED** that the City Council of Clayton, California does hereby amend Resolution No 38-2007 such that all terms of office for the Trails and Landscape Committee shall end on December 31<sup>st</sup>, all terms shall continue to

have overlapping two year term of office for each of the positions.

**BE IT FURTHER RESOLVED**, that the City Council of Clayton, California, does hereby extend the term of office to each of the current TLC members so that their term shall end in December 31<sup>st</sup> for the time period for which they are presently appointed.

Adopted by the City Council of the City of Clayton, California at a regular meeting of thereof held on March 15, 2011, by the following vote:

**AYES:** Mayor Shuey, Vice Mayor Geller, Councilmembers Medrano, Pierce and Stratford.

**NOES:** None.

**ABSENT:** None.

**ABSTAIN:** None.

  
\_\_\_\_\_  
David T. Shuey, Mayor

**ATTEST:**

  
\_\_\_\_\_  
Laci J. Jackson, City Clerk

I hereby certify that the foregoing resolution was duly and regularly passed by the City Council of the City of Clayton at a regular meeting held on March 15, 2011.

  
\_\_\_\_\_  
Laci J. Jackson, City Clerk

*Reso tlc member term change*

**RESOLUTION NO. 38- 2007**

**A RESOLUTION APPOINTING THE ELEVEN MEMBER TRAILS  
AND LANDSCAPING COMMITTEE TO SERVE AS THE CITIZENS'  
OVERSIGHT COMMITTEE TO THE CITYWIDE LANDSCAPE  
MAINTENANCE DISTRICT (CFD 2007-1)**

**THE CITY COUNCIL  
City of Clayton, California**

**WHEREAS**, by Resolution No. 08-2006 adopted on 21 February 2006, the Clayton City Council established and appointed a permanent citizens' advisory committee entitled "Trails and Landscaping Committee" for the 1997 Citywide Landscape Maintenance District (CFD 1997-1); and

**WHEREAS**, said citizens committee met regularly during 2006 and into 2007 reviewing matters related to priorities, public outreach, maintenance standards, citizen complaints, and related operations of the Landscape Maintenance District and did recommend to the City Council a ballot measure for replacement of the expiring 1997 District; and

**WHEREAS**, the proposed local ballot measure (Measure "B") was subsequently placed before the Clayton electorate at a special municipal election held on 05 June 2007 for voter consideration of a replacement Citywide Landscape Maintenance District (CFD 2007-1) for a period of ten (10) years (July 2007 through June 2017); and

**WHEREAS**, city voters overwhelmingly approved Measure "B" by an 83% affirmative vote and provisions of the replacement Citywide Landscape Maintenance District (CFD 2007-1) specify a citizens' oversight committee shall be constituted by the Clayton City Council to advise the City Council and staff concerning budget, priorities and proper level of landscape care and maintenance for the District; and

**WHEREAS**, following the successful passage of Measure "B" in June 2007, four (4) members of the existing Trails and Landscaping Committee opted to either allow their term of appointed office to expire on 30 June 2007 or to end their lengthy participation on the citizens advisory committee; and

**WHEREAS**, it is necessary for the Clayton City Council to formally and officially appoint the remaining eleven (11) members of the Trails and Landscaping Committee as the incumbent citizens' oversight committee for the Citywide Landscape Maintenance District (CFD 2007-1) and to establish terms of office thereof.

**NOW, THEREFORE, BE IT RESOLVED** that the City Council of Clayton, California does hereby appoint the existing Trails and Landscaping Committee comprised of up to eleven (11) citizen members as the citizens oversight committee for the Citywide Landscape Maintenance District (CFD 2007-1); and

**BE IT FURTHER RESOLVED** that the City Council does herewith confirm the appointment of the following citizens to the Trails and Landscaping Committee, to serve at the pleasure of the City Council without stipend or compensation, with an overlapping two (2) year term of office for each of the eleven (11) positions:

<u>Member</u>	<u>Term of Office Expires</u>
JoAnn Caspar	30 June 2008
Victor Geisler	30 June 2008
Jerry Kosel	30 June 2008
Kelly Marshall	30 June 2008
Jerry Zimmerman	30 June 2008
Candace Bass	30 June 2009
David Disend	30 June 2009
David Johnson	30 June 2009
Dan Richardson	30 June 2009
Virginia Siegel	30 June 2009
Bill Vineyard	30 June 2009

The Vice Mayor of the Clayton City Council shall continue to serve as the City Council's non-voting representative to the Committee in an ex-officio liaison capacity; and

**BE IT FURTHER RESOLVED** that all assigned duties and oversight responsibilities of the Trails and Landscaping Committee as outlined in City Resolution No. 08-2006 and in Measure B (CFD 2007-1) do hereby remain in full force and effect.

**PASSED, APPROVED AND ADOPTED** by the City Council of Clayton, California at a regular public meeting thereof held the 7<sup>th</sup> day of August 2007 by the following vote:

AYES: Mayor Walcutt, Vice Mayor Manning, Councilmembers Pierce and Stratford.  
NOES: None.  
ABSTAIN: None.  
ABSENT: Councilmember Shuey.

THE CITY COUNCIL OF CLAYTON, CA

  
\_\_\_\_\_  
William R. Walcutt, Mayor

ATTEST:

  
\_\_\_\_\_  
Laci J. Jackson, City Clerk

**EXHIBIT A**

**CITY OF CLAYTON  
Community Facilities District 2007-1  
(Citywide Landscape Maintenance)**

**DESCRIPTION OF SERVICES TO BE FINANCED BY THE CFD**

The Services to be financed by the special taxes of the City of Clayton Community Facilities District 2007-1 (Citywide Landscape Maintenance) (the "CFD") shall include the Maintenance of:

A. Public Roadway Landscaping – which includes but is not limited to the following improved rights-of-way:

- Atchinson Stage Road – from Pine Hollow Road to Caulfield Drive
- Black Point Place – center median island.
- Caulfield Court – center median island.
- Center Street – from Oak Street to Clayton Road.
- Clayton Road – from the western city limits to the southern Marsh Creek Road intersection.
- Cul-de-sacs: landscaped areas at end of Ahwanee Lane, Wawona Court, Tuyshtak Court, Antelope Court, Obsidian Court, Blue Oak Lane, Falcon Place, Windmill Canyon Place, Hummingbird Place, Raven Place, and Golden Eagle Place.
- Diablo Parkway – from Marsh Creek Road to El Portal Drive.
- Eagle Peak Avenue – from the east intersection with Oakhurst Drive to just west of the Ohlone Heights intersection, and including the west intersection with Oakhurst Drive.
- Indianhead Way – entrance area at Oakhurst Drive
- Indian Wells Way – both entrance areas with Oakhurst Drive, and center medians up to Anizume Court and Jalalon Place.
- Jeffrey Ranch Court – center median island.
- Keller Ridge Drive – to Golden Eagle Place intersection.
- Lydia Lane – from intersection of Clayton Road to Lydia Lane Park.
- Main Street – from Clayton Road to (old) Marsh Creek Road.
- Marsh Creek Road – from the northern intersection of (old) Marsh Creek Road to the eastern city limits.
- Oakhurst Drive – from the western city limits to Clayton Road intersection.
- Peacock Creek Drive – from Clayton Road to approximately the Pebble Beach Drive intersection.
- Pine Hollow Road – from Atchinson Stage Road to Panadero Way.
- Regency Drive – median entrance from Marsh Creek Road.
- So. Mitchell Canyon Road – from approx. Del Trigo Lane to Herriman Court intersection.

B. Open Space and Trails – which include but are not limited to:

Publicly-owned creek-side, intra-community and open space trails located within the boundaries of the CFD.

C. Clayton Fountain – which includes but is not limited to:

Maintenance to the fountain itself, rock structure and all attendant appurtenances, including the geyser and water pump system as well as the surrounding public landscaped area located at east side of the intersection of Oakhurst Drive, Center Street and Clayton Road.

Definitions

“Maintenance” means the furnishing of services and materials for the ordinary and usual operation, maintenance and care of the public landscaping and appurtenant facilities, including repair, removal or replacement of all or part of any landscaping and appurtenant facilities providing for the life, growth, health and beauty of the landscaping, including cultivation, irrigation, trimming, spraying, fertilizing and treating for disease or injury; the removal of trimmings, rubbish, debris and other solid wastes; and the eradication of landscape pests, including but not limited to vermin and rodents, ground squirrels, gophers, moles and wild pigs. “Maintenance” also includes the furnishing of water for irrigation of the public landscaping, and the supply of electricity to operate the attendant irrigation systems.

The foregoing services shall be provided through and by the City of Clayton, either with its own labor forces or by contract with third parties, or any combination thereof, as determined solely by the City of Clayton.

“Costs” means the costs and expenses directly or indirectly incurred by the City in connection with the Maintenance described above. Allowable Costs payable from special taxes of the District also include the County’s imposed cost to levy and collect the District’s assessment through the annual property tax bill, the City’s shared equipment and facilities charges, City prorated overhead charges to administer and manage the District and collect the special taxes, and District reserve funds for replacement and major repairs.

**EXHIBIT B**

**CITY OF CLAYTON  
Community Facilities District 2007-1  
(Citywide Landscape Maintenance)**

**RATE AND METHOD OF LEVY OF SPECIAL TAX**

A special tax will be levied annually on each taxable parcel of land not defined below as an "Exempt Parcel" within the Community Facilities District 2007-1 (Citywide Landscape Maintenance) (the "CFD") and collected in the same manner as ordinary ad-valorem property taxes or in such manner as the City of Clayton City Council or its designee shall determine, including City-originated billing of the affected property owners.

**Definitions**

**Taxable Parcels:** Parcels of land within the boundaries of the CFD that are not included in the "Exempt Parcel" category listed below.

**Exempt Parcels:** Parcels of land owned by a public agency, right-of-way parcels, schools, hospitals, cemeteries, mortuaries, libraries, parks, mineral rights, private roads, pipelines, public parking facilities and common areas.

**Residential Parcels:** Taxable parcels of land that are classified as either single-family, condominium, townhouse, multi-family or rural residential parcels.

**Non-residential Parcels:** Taxable parcels that are not classified as "Residential Parcels".

**Special Tax:** The special tax allowed to be levied on property within the CFD, calculated pursuant to this Rate and Method of Apportionment of Special Tax.

**Special Tax Formula**

A. Residential Parcels: An annual special tax will be levied on all Residential Parcels, as defined above, at the per parcel tax rate shown below for each fiscal year 2007-2008 through 2016-2017:

Residential Parcel Annual Special Tax Rate: \$196.77

B. Non-residential Parcels: An annual special tax will be levied on all Non-residential Parcels at the per acre rate shown below for each fiscal year 2007-2008 through 2016-2017:

Non-residential Parcel Annual Special Tax Rate: \$196.77 per acre or fraction thereof, based on parcel size as shown on the then-current County tax roll.

**Duration of Special Tax Levy**

The special tax will be levied annually for a period of ten (10) years commencing in fiscal year 2007-2008 through and including fiscal year 2016-2017. After the ten (10) year duration has expired the special tax may no longer be collected unless extended pursuant to applicable laws, except that a special tax that was lawfully levied in or before the final tax year and that remains delinquent may be collected in subsequent years.

**Special Tax Escalator Factor**

In fiscal years 2008-2009 through 2016-2017, the special tax may be increased annually by the Clayton City Council in an amount not to exceed the full annual adjustment (April to April) in the Consumer Price Index – All Urban Consumers, San Francisco-Oakland-San Jose, CA Area (Base Period 1982-84 = 100). This escalator factor is applicable if determined to be necessary due to expected increases in the operational and maintenance expenses attributable to the CFD. Such determination shall be made by action of the Clayton City Council, which must occur at a regular public meeting thereof accompanied by a prior recommendation of the citizens' Trails and Landscaping Committee established by the City Council in February 2006 (City Resolution No. 08-2006). In no event shall each annual special tax rate in any fiscal year increase by more than three percent (3%) over the previous year.

**Relationship to Special Tax of Community Facilities District 1997-1**

An intent of the new Community Facilities District 2007-1 is to replace the City's Community Facilities District 1997-1 that levied an annual special tax for Citywide Landscape Maintenance purposes during the last ten years and which special tax automatically expires on June 30, 2007. No further special tax can be levied by CFD 1997-1.



# **MAINTENANCE STANDARDS**

**AND**

2007

# **ANNUAL BUDGET**

COMMUNITY FACILITIES DISTRICT 2007-1  
(CITYWIDE LANDSCAPE MAINTENANCE DISTRICT)

# **TRAILS & LANDSCAPING COMMITTEE**

## **\*\$196.77 A YEAR ASSESSMENT\***

**January 16, 2007**

*Note: Development of Standards assumed responsibility for District in "as-is" landscape condition but brought to the higher standard of maintenance requested by the Committee. Except for the \$20,000 per year Landscape Replacement Account, no workloads were included to elevate the existing landscaping with more shrubs, trees or associated improvements [e.g. irrigation systems; hardscape; replantings; deferred capital improvement projects].*

### **Landscape Trimming**

- Trim all landscape areas in District 2 times a year.
  1. Trim all shrubs and groundcover in District landscape areas.
  2. Haul off all trimmings and debris.
  3. Hand-pull all large weeds over one foot tall.
  4. Pick up visible litter.
  5. Remove all dead shrubs or groundcover.
  6. Cut off all tree and plant suckers.
  7. Blow off all walkways and street areas.

### **Irrigation Maintenance**

(Irrigation systems are operational approximately 9 months of the year)

- Check complete system 2 times a year.
- Adjust controllers 3 times a year.
- Repair any broken waterlines within 1 month of request.
  1. Complete system check of entire irrigation system.
  2. Adjust all sprinkler heads for proper coverage.
  3. Mark all irrigation boxes on lids and curbside.
  4. Repair any leaks in mainline or control valves.
  5. Repair any broken sprinkler heads.
  6. Replace or repair all irrigation boxes.
  7. Provide irrigation system upgrades over time as funding allows.

### **Mowing Turf**

(Lawn areas will be mowed approximately 9 months out of the year)

- Mow lawns every 2 weeks.
- Edge lawns once a month.
- Fertilize lawns every 6 months.
- Aerate once a year.
  1. Mow all lawns in District.
  2. Edge all lawns in District.
  3. Fertilize all lawns in District.
  4. Pick up litter and debris in lawn areas.
  5. Blow off all walkways and street areas

### Tree Trimming

- Trim all Crape Myrtles trees once a year.
- Trim all Oleanders trees every year.
- Trim trees away from walkways and signs as time allows.
- Trim as needed.
- \$15,000 tree trimming contract.
  1. Prune all Crape Myrtles for increase summer flowering.
  2. Thin and trim out crowns on all Oleander trees.
  3. Stake up trees as needed.
  4. Cut out all suckers.
  5. Coordinate contract tree work.
  6. Trim trees away from walkways and signs.

### Herbicide Control

- Spray pre-emergent 2 times a year in median.
- Spray pre-emergent once a year in roadside landscape areas.
- Spot spray every 2 months.
- Spray Round-Up along trails and open space once a year.
- Pull weeds over 1 foot as time permits.
  1. Control weeds located in the landscape areas
  2. Spray pre-emergent in landscape areas.
  3. Hand-pull any weeds over one foot.

### Fertilizing

- Fertilize all landscape areas once a year.
- Use slow release 14x14x14 at 1.5 lbs per 100 square feet
  1. Fertilize all landscape areas of District.
  2. Clean all walkways and street of excess fertilizer.

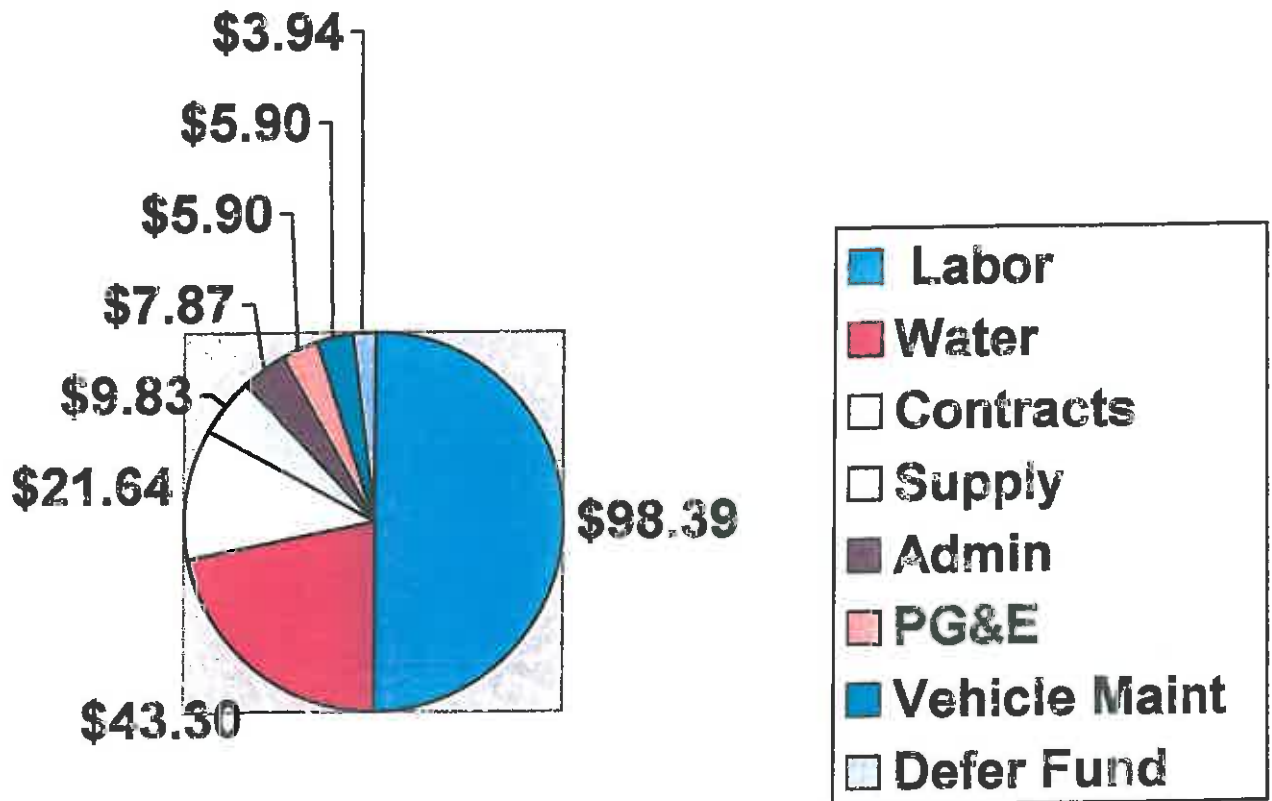
### Annuals

- Plant annuals once a year.
- Weed and clean planters once every 3 months.
  1. Plant annuals in all District flowerbeds.
  2. Cultivate soil and add conditioner before planting.
  3. Weed and clean out planters periodically.

### Trails

- Spray preemergent along trails 2 times a year.
- Spray Round Up along trails 2 times a year.
- Complete trail repair and inspection once a year.
- Periodic trail repair and inspection 6 times a year.
- Cut down weeds along sides of trails 2 times a year.
  1. Clear trails of all weeds and debris.
  2. Repair trail headers.

**Landscape District Expenditures**  
**Approx. Yearly Costs Per Parcel**



**Labor**

Includes wages, benefits, and compensation.

**Water**

Includes irrigation water for entire district.

**Contracts**

Weed abatement, noxious weed control, tree trimming, and other various contract work.

**Equipment & Supplies**

Repair and replacement of landscape equipment. Supplies include irrigation parts, herbicides, and various other landscape materials.

**Administration**

Administrative support to run district, and property tax fee.

**PG&E**

Gas and electric services for items such as controllers and lighting.

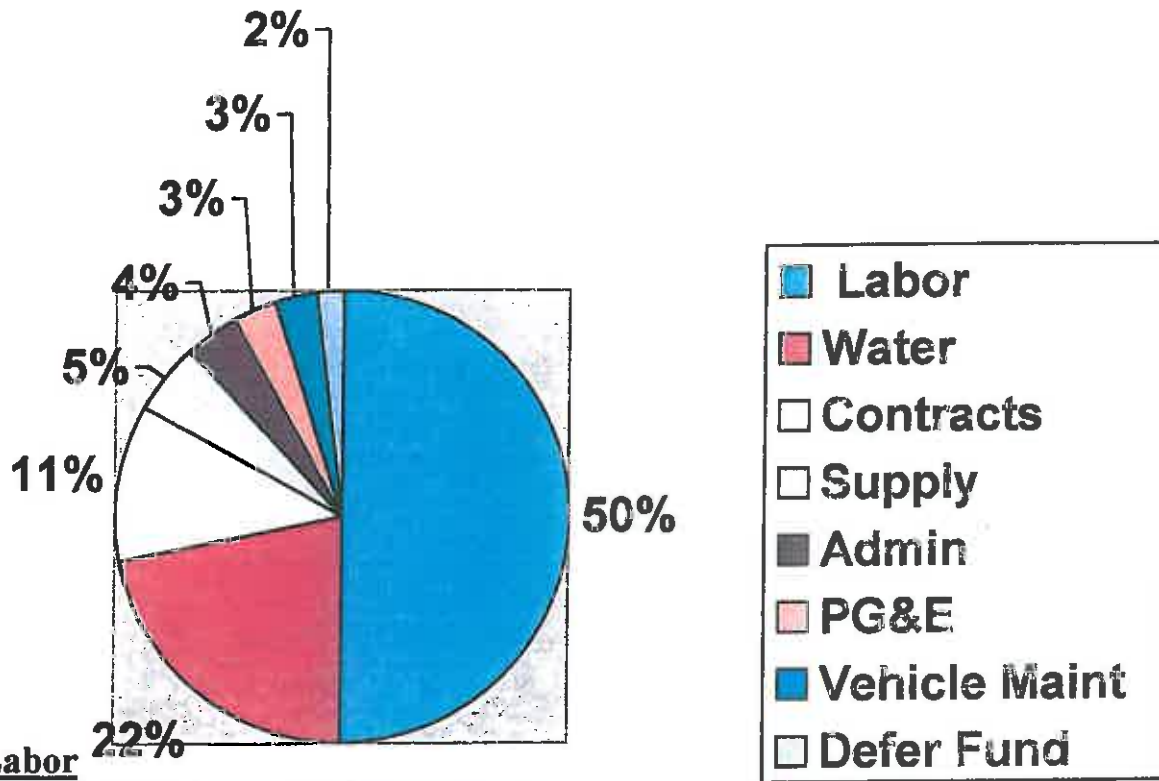
**Vehicle Maintenance**

Periodic maintenance on vehicles, gas, oil, and vehicle replacement fund support.

**Deferred Fund**

Replacement of any and all landscape related items.

**Landscape District Expenditures**  
**Approx. yearly percentages**



**Labor**

Includes wages, benefits, and compensation.

**Water**

Includes irrigation water for entire district.

**Contracts**

Weed abatement, noxious weed control, tree trimming, and other various contract work.

**Equipment & Supplies**

Repair and replacement of landscape equipment. Supplies include irrigation parts, herbicides, and various other landscape materials.

**Administration**

Administrative support to run district, and property tax fee.

**PG&E**

Gas and electric services for items such as controllers and lighting.

**Vehicle Maintenance**

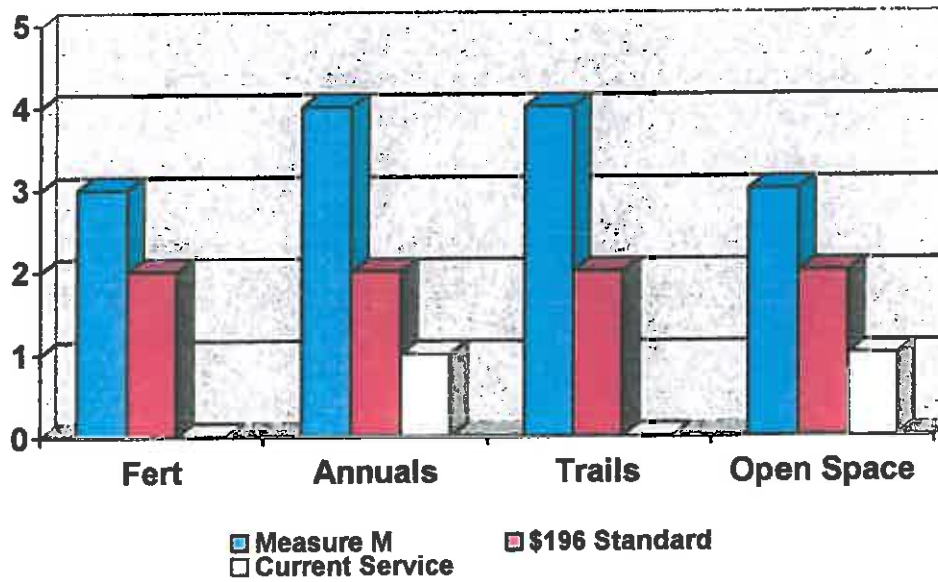
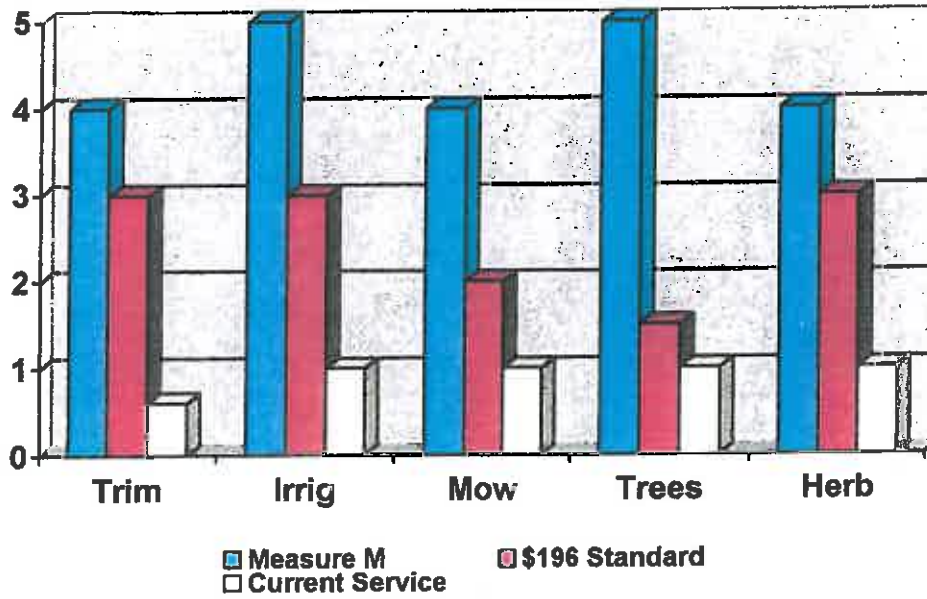
Periodic maintenance on vehicles, gas, oil, and vehicle replacement fund support.

**Deferred Fund**

Replacement of any and all landscape related items.

## Levels of Service Comparisons

5= Standard A  
1= Standard E



Agenda Date: 08-13-07

Agenda Item: 4(a)

# MEASURE B

Where do we start?

**THAT WAS THEN...**

**Landscape Trimming**

Trim all landscape areas every 18 months

**Irrigation Maintenance**

Fix and repair when time allows.

**Mowing Turf**

Fertilize once a year

No Aerating

**Tree Trimming**

\$10,000 Tree trimming contract

**Herbicide Control**

Spray pre-emergent once a year in median.

**Fertilizing**

Fertilize all landscape areas if funding allows.

**Annuals**

Plant annuals once a year.

Weed and clean planters when time allows.

**Trails**

Spray preemergent along trails 2 times a year.

Spray Round Up along trails 2 times a year.

Complete trail repair and inspection once a year.

Periodic trail repair and inspection 6 times a year.

Cut down weeds along sides of trails once a year.

**Open Space**

Cut weeds once a year along major trails and creeks.

**Replacement Fund**

\$20,000

**THIS IS NOW!**

**Landscape Trimming**

Trim all landscape areas in District 2 times a year.

**Irrigation Maintenance**

Full Time Irrigation Tech

**Mowing Turf**

Fertilize lawns every 6 months.

Aerate once a year.

**Tree Trimming**

\$15,000 Tree trimming contract

**Herbicide Control**

Spray pre-emergent 2 times a year in median.

**Fertilizing**

Fertilize all landscape areas once a year.

**Annuals**

Plant annuals once a year.

Weed and clean planters once every 3 months.

**Trails**

Spray preemergent along trails 2 times a year.

Spray Round Up along trails 2 times a year.

Complete trail repair and inspection once a year.

Periodic trail repair and inspection 6 times a year.

Cut down weeds along sides of trails 2 times a year.

**Open Space**

Cut weeds two times a year along major trails and creeks.

**Replacement Fund**

\$20,000



# Landscape Trimming

- Trim all landscape areas in District 2 times a year.
  - Trim all shrubs and groundcover in District landscape areas.
  - Haul off all trimmings and debris
  - Hand-pull all large weeds over one foot tall.
- Pick up visible litter.
- Remove all dead shrubs or groundcover.
- Cut all suckers.
- Blow off all walkways and street areas.

# Basic Trimming Needs

- 1st Trim begins in Nov-Dec
- 2nd Trim begins in Summer
- Temp workers=Reduced Labor Cost + More Man Power
- Transportation
- Proper Equipment
- Work Zone Safety

Full  
Time  
Employees

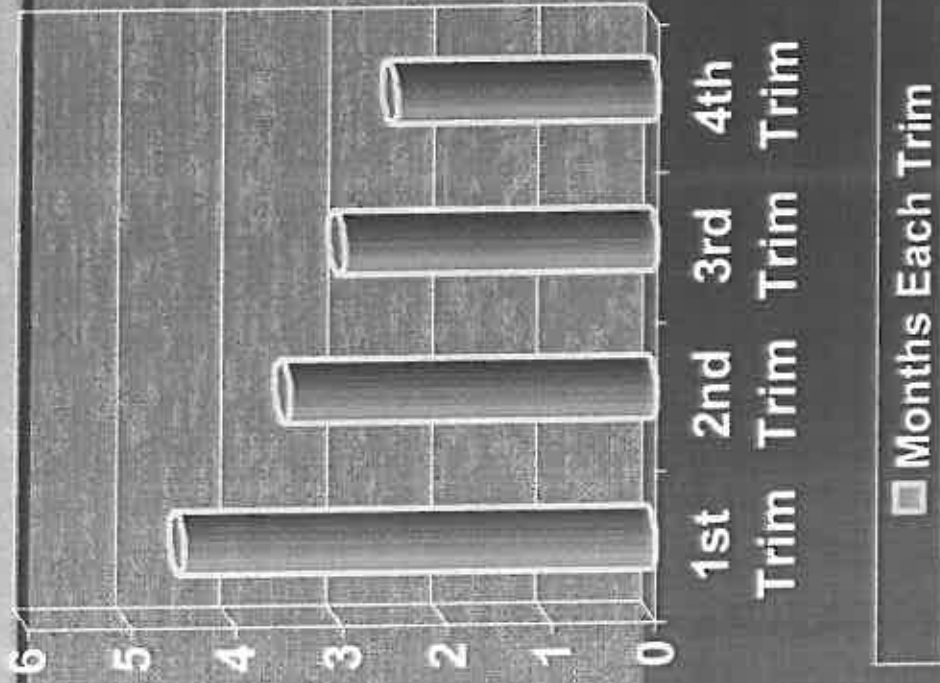
Part  
Time  
Employees

Seasonal  
Employees

Work  
Alternative  
Program

# Future Trimming

- Trimming Promotes Growth
- More Frequency Equals Control
- Smaller debris Piles
- Smaller Foliage to cut
- Less stress on equipment
- Longer Equipment Life
- Less time Spent trimming
- Time saved is time earned
- High visible areas get more attention
- Fast growing shrubs get trimmed more Frequently.



# Irrigation

- (Irrigation systems are operational approximately 9 months)
- Check complete system 2 times a year.
- Adjust controllers 3 times a year.
- Repair any broken waterlines within 1 month of request.
  - Complete system check of entire irrigation system.
  - Adjust all sprinkler heads for proper coverage.
  - Mark all irrigation boxes on lids and curbside.
  - Repair any leaks in mainline or control valves.
  - Repair any broken sprinkler heads.
  - Replace or repair all irrigation boxes.
  - Provide irrigation system upgrades over time as funding allows.

Trained Technicians

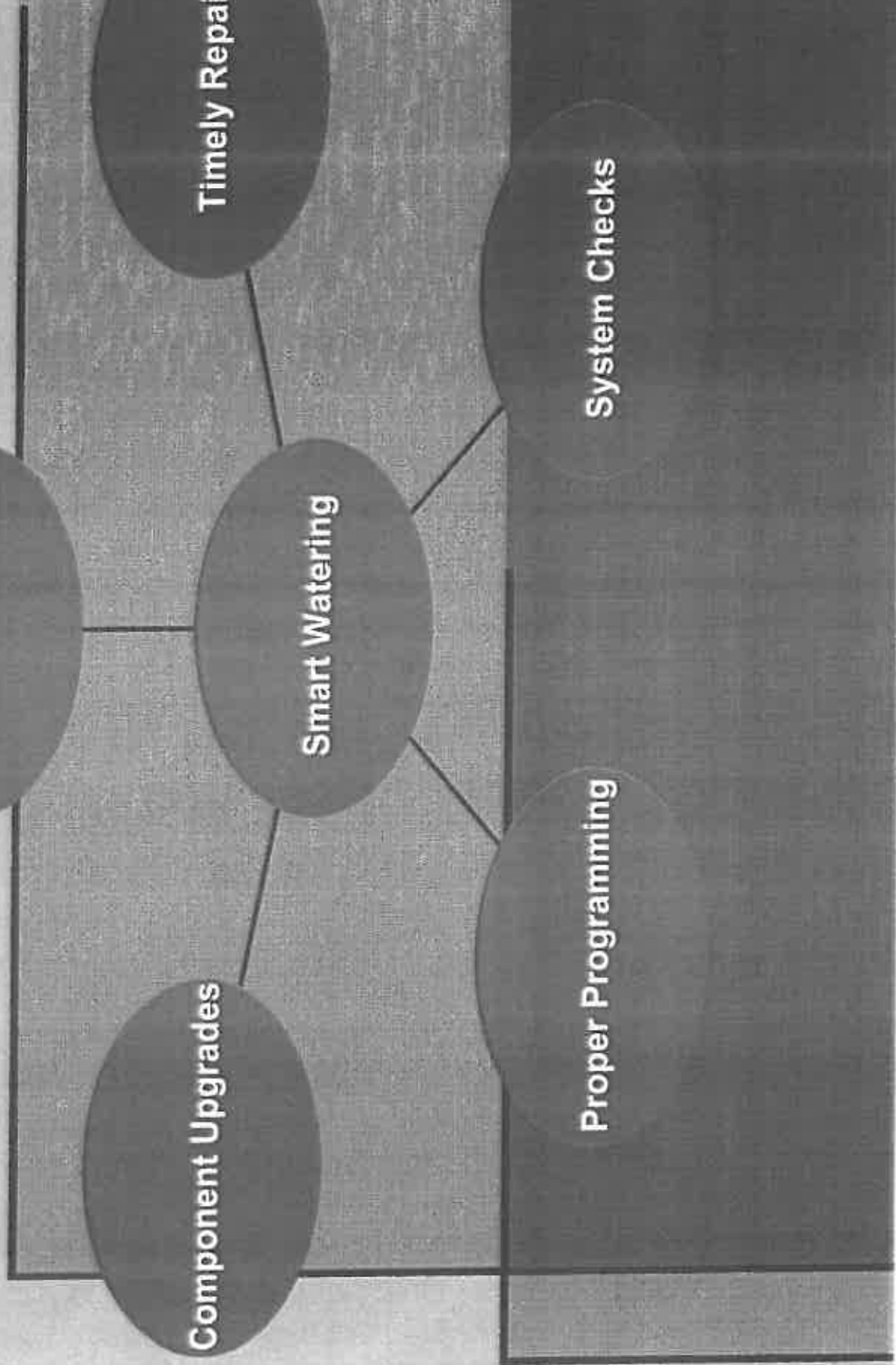
Component Upgrades

Smart Watering

Timely Repairs

Proper Programming

System Checks



# Irrigation Challenges

- Vandalism
- Deferred Maintenance
- Aged Components & Designs
- Outdated Controllers
- Experienced Personnel
- Upgrade Costs
- Unpredictability

# Irrigation Management

## A Major Component of The District

### Immediate Needs

- Complete system checks
- Sprinkler repair
- Valve repair
- Sprinkler adjustments
- Irrigation parts inventory
- Locate & mark boxes
- Replace broken boxes
- Create Management Plan
- Irrigation specific vehicle

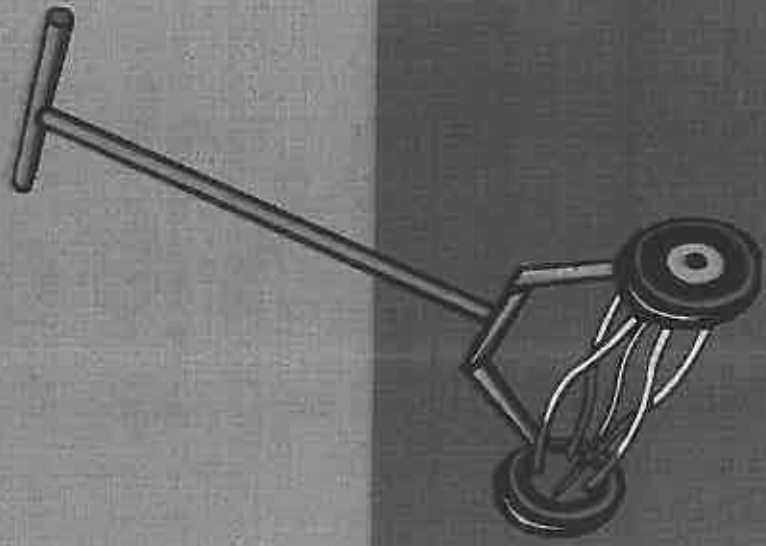
### Future Needs

- Upgrade plans
- Update schedules
- Label controllers & valves
- Master irrigation book
- Technician education plan
- Irrigation repair log
- Install ball valve shut-offs
- Install brass control valves
- Controller upgrades

# Mowing Turf

- (Lawn areas will be mowed approximately 9 months out of the year)
- Mow lawns every 2 weeks.
- Edge lawns once a month.
- Fertilize lawns every 6 months.
- Aerate once a year.

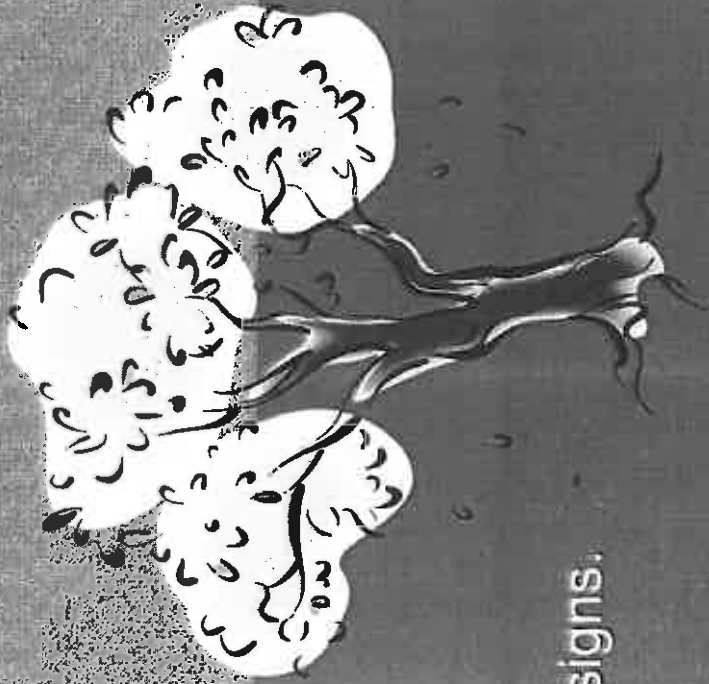
- Mow all lawns in District.
- Edge all lawns in District.
- Fertilize all lawns in District.
- Pick up litter and debris in lawn areas.
- Blow off all walkways and street areas





# Tree Trimming

- Trim all Crape Myrtles trees once a year.
- Trim all Oleanders trees every year.
- Trim trees away from walkways and signs as time allows.
- Trim as needed.
- \$15,000 tree trimming contract.
  - Prune all Crape Myrtles.
  - Thin and trim all Oleander trees.
  - Stake up trees as needed.
  - Cut out all suckers.
  - Coordinate contract tree work.
  - Trim trees away from walkways and signs.



# Tree Care

FACT: There are approx 2,871 trees in the district...this does not include the ones in the open space areas

## PRESENT

- Contract major trimming
- Minor trimming in house
- \$5,000 more for trimming
- \$15,000 total

- Trim for safety 1st
- Trim street trees 2nd
- Trim open space 3rd

## FUTURE

- Contract tree trimming
- Median trees pose a challenge
- Open space trees
- Seek additional funding

# Herbicide Control

- Spray pre-emergent 2 times a year in median.
- Spray pre-emergent once a year in roadside landscape areas.
- Spot spray every 2 months.
- Spray Round-Up along trails and open space twice a year.
- Pull weeds over 1 foot as time permits.
- Control weeds located in the landscape areas
- Spray pre-emergent in landscape areas.
- Hand-pull any weeds over one foot.

**Pre-emergent  
2 Times a Year**

**Less  
Spot  
Spraying**

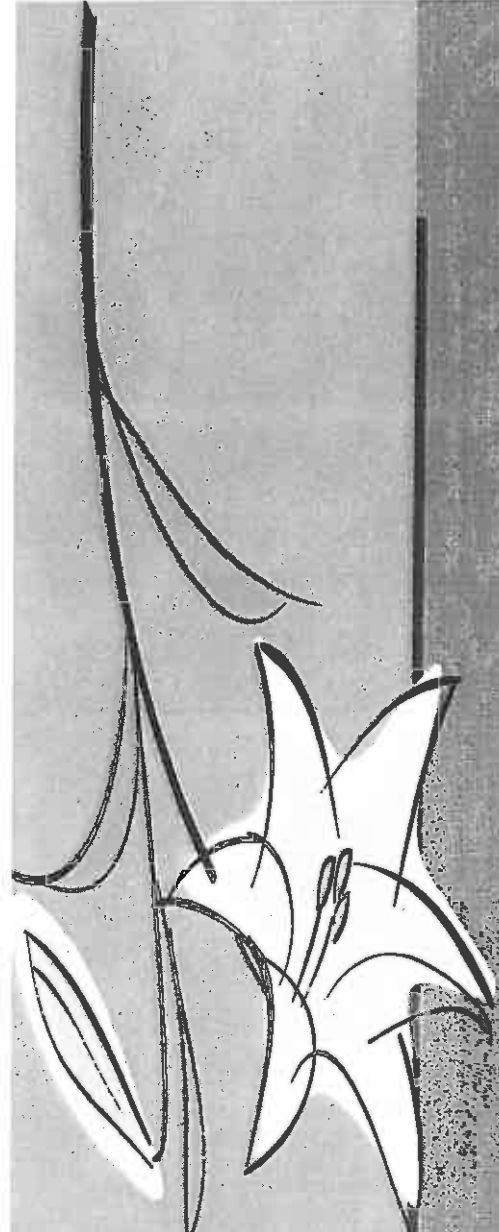
**Less  
Hand  
Pulling**

**Reduced  
Labor  
Cost**

# Fertilizing

- Fertilize all landscape areas once a year.
- Use slow release 14x14x14 at 1.5 lbs per 100 square feet
- Fertilize all landscape areas of District.
- Clean all walkways and street of excess fertilizer.

# Annuals



- Plant annuals once a year.
- Weed and clean planters once every 3 months.
- Plant annuals in all District flowerbeds.
- Cultivate soil and add conditioner before planting.
- Weed and clean out planters periodically.

# Trails

- Spray pre-emergent along trails 2 times a year.
- Spray Round Up along trails 2 times a year.
- Complete trail repair and inspection once a year.
- Periodic trail repair and inspection 6 times a year.
- Cut down weeds along sides of trails 2 times a year.
  - Clear trails of all weeds and debris.
  - Repair trail headers.
  - Replace  $\frac{1}{4}$  by dust.
  - Repair signage.



# All Trails Lead to...

## PROBLEMS

- Overall condition of trails
- Lack of past maintenance
- Will funding be sufficient with trails in their current state?
- Which trails are priority

## SOLUTIONS

- Create a detailed standard
- Create a criteria to establish priority
- Contract out deferred maintenance
- Utilize replacement fund monies to fund repairs
- Create trail maintenance and inspection log



# Open Space

## Business as Usual

- Cut weeds once a year 30 feet from fence lines.
- Cut weeds two times a year along major trails and creeks.
- Remove noxious weeds under contract from Oakhurst open space.
  - Cut weeds along major trails and creeks to three inches in height.
- Cut weeds 30 feet from fence lines in District to three inches in height.
- Remove noxious weeds from Oakhurst open space.
- Coordinate weed abatement and noxious weed contracts.
- Standards for fire breaks may be increased!!!

# Fire Breaks

VS

# Weed Abatement

## Fire Breaks

- Cut weeds 30' from fence lines
- Disc fire breaks on hillsides
- Cut weeds 30' from roadsides
- Fire breaks are mandatory

## Weed Abatement

- Cut weeds along trails and creeks
- Cut weeds in open space areas
- Spray weeds along trails
- Noxious weed control

# \$20,000 Replacement Fund

## Priorities

TRAILS...Low priority = Years of neglect (Trails need to be put on fast track to meet regular maintenance funding)

IRRIGATION...Specific to newly planted areas (New plantings need system evaluations for proper coverage)

TREES...Median Tree replacement (Highly visible landscape canopy)

HARDSCAPE...Brick...Bark...Boulders (Areas where we see wasted resources.)

PLANTINGS...Bushes and Shrubs (All plantings should be based on a model planting criteria)

## 1<sup>st</sup> Year Goals and Objectives

- Monitor time and labor spent trimming.
- Identify and repair all irrigation sprinklers and valves.
- Complete trail inspection list.
- Create log books for all district tasks.
- Create journal to record the transition
  - Utilize temporary employees to maximize crew size.
  - Create education and training plan for new positions and hires.
  - Purchase irrigation and spray truck.
  - Complete irrigation parts inventory.
  - Equipment inventory and evaluation.

Agenda Date: 3/25/13

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Agenda Item: 5(c)

# The Brown Act and the Perils of Electronic Communication

BY KARA UEDA



Kara K. Ueda is a partner with the law firm of Best Best & Krieger, LLP, and can be reached at [kara.ueda@bbklaw.com](mailto:kara.ueda@bbklaw.com) or (916) 551-2822.

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## About Legal Notes

This column is provided as general information and not as legal advice. The law is constantly evolving, and attorneys can and do disagree about what the law requires. Local agencies interested in determining how the law applies in a particular situation should consult their local agency attorneys.

Local public officials are often frequent and zealous users of technology and social media. Given the rapid speed with which people can now send e-mails and text messages and post comments online, a casual e-mail conversation between two city council members or an offhand comment on a newspaper website may quickly and inadvertently turn into a "meeting" under the Brown Act.

## About the Brown Act

Most members of legislative bodies (including city councils, commissions, boards and committees) soon learn upon taking office that a quorum of their membership may not meet to discuss official business unless the meeting complies with the Brown Act. Often referred to as California's open meeting law, the Brown Act provides that members of a legislative body may hold a meeting when a majority of them — at the same time and place — "hear, discuss, deliberate or take action on" an item within their subject matter jurisdiction.<sup>1</sup>

To hold a lawful meeting under the Brown Act, a local agency must, among other things, provide public notice about the meeting for a certain time period and ensure that the public can access the meeting. Thus, if a city council (for example)

has five members, three of the five may not meet at a restaurant to discuss city business unless the city has posted public notice about the meeting and otherwise complies with the Brown Act.

The Brown Act does not prohibit individual members of a legislative body from separately providing their own comments and opinions about a matter. A commissioner may write a newspaper editorial about an item the commission approved, and a city council member may give a speech or tweet about local projects under way in the city. Nor does the Brown Act prohibit "one-way" communications where, for example, a city manager transmits a communication to the entire council by e-mail.<sup>2</sup> The "passive receipt" of a document by public officials is different from a commission's or city council's collective action or discussion.

#### **E-Mail Exchanges May Constitute Serial Meetings**

Similarly, the Brown Act prohibits public officials from doing in successive steps what they cannot do in one step. More specifically, the Brown Act provides that a majority of a legislative body may not use any series of communications, either directly or through intermediaries, to discuss, deliberate or take action on any item of business that is within the legislative body's subject matter jurisdiction.<sup>3</sup> Serial meetings typically occur by either a "hub and spoke" or a "daisy chain" meeting.

#### ***Hub and Spoke Meetings***

A hub and spoke meeting occurs when one person acts as the center and communicates with members of the legislative body. For example, Council Member Newman cannot call Council Member Oliver to discuss an item of city business and then call Council Member Peoples to discuss his conversation with council member Oliver. In this meeting Council Member Newman was the hub, and the other two council members were the spokes. Hub and spoke meetings may also occur by e-mail if the individual members e-mail each other instead of calling.

#### ***Daisy Chain Meetings***

A serial meeting may also occur if Council Member Newman calls Council Member Oliver to discuss an item of city business, and then Council Member Oliver calls Council Member Peoples to discuss the same thing. This type of communication is also called a daisy chain meeting. This type of meeting is particularly likely to occur by e-mail due to the ease of forwarding e-mails.

#### **Serial Meetings in Cyberspace**

The Internet provides numerous opportunities for local officials to post their thoughts and opinions about city issues. Local bloggers report on city news and sometimes provide a running commentary of council and commission meetings as they happen. And most newspapers have websites where members of the public can — and frequently do — comment on the articles. When these entries or articles are especially timely or controversial, they practically invite comments by interested residents and local officials.

As of this writing, no court has specifically ruled on the intersection of comments posted on the Internet and the Brown Act's requirements. However, the same serial meeting rules that apply to e-mail may likely apply to other online conduct such as commenting about online news stories.

The potential danger with the online world is the speed with which a simple comment on a blog, a Facebook status update, a photo or newspaper article may rapidly become a discussion about city business by a quorum of the legislative body. For example, a local blogger may post an entry about an upcoming planning commission agenda item. Proponents and opponents both weigh in on the blog comments. A planning commissioner reads the entry and also posts a comment about the item. A second planning commissioner also decides to post a comment, and then a third planning

commissioner responds to the first two commissioners. Thus, a discussion among the three of them ensues electronically on the Internet.

Did the planning commissioners violate the Brown Act? At first glance, it may seem that the planning commissioners did not violate the Brown Act if the blog is available for any member of the public to read. The planning commissioners may believe that basic open government principles were followed because they were not trying to have a secret meeting to discuss official business, and anyone could read their electronic conversation. But the planning commissioners also did not have their electronic conversation pursuant to a noticed meeting under the Brown Act.<sup>4</sup> Instead, they used a series of communications to discuss and deliberate on an item within their subject matter jurisdiction.

The sheer openness of a conversation is not the critical factor under the Brown Act. For example, the three commissioners could have instead met in one of their living rooms and livestreamed their conversation on the Internet as it was occurring. That video would also be public and available for everyone to see and possibly to comment on as it was happening. This in-person living room conversation about city business, though, would not comply with the Brown Act.

In addition, an issue may raise particular legal and practical sensitivities where any type of comment may not be wise. For example, if a local agency will consider a matter where a person is owed certain due process rights or if an agency is involved in pending litigation, local officials should first contact their city attorney for advice on whether they should be making *any* type of comment, regardless of the forum or medium. These considerations are separate and apart from Brown Act issues.

### Conclusion

While the use of new technology offers important advantages in keeping individuals up to date and informed, the speed with which messages may be sent and comments posted can have drawbacks if public officials inadvertently find themselves in the midst of an e-mail conversation or conversation thread with other members of their commission or city council. The law may eventually catch up to the current technology, but until it does public officials should continue to abide by the general Brown Act principles regardless of whether the communication is in person or online.

#### An In-Depth Guide to the Brown Act

The League publishes a guide to the Brown Act for the non-lawyer, which is updated periodically. *Open & Public IV: A Guide to the Ralph M. Brown Act* is available free online at [www.cacities.org/opengovernment](http://www.cacities.org/opengovernment).

#### Additional Related Resources

For related information, read these *Western City* articles.

Social Media and Public Agencies: Legal Issues You Should Know About

Reading Employees' Text Messages: A Heads Up for Public Agencies

U.S. Supreme Court Rules That City Review of Employee Text Messages Was Reasonable

Taking the Bite Out of Blogs: Ethics in Cyberspace

**Footnotes:**

<sup>1</sup> Gov't Code § 54952.2(a).

<sup>2</sup> See *Roberts v. City of Palmdale*, 5 Cal. 4th 363 (1993).

<sup>3</sup> Gov't Code § 54952.2(b)(1).

<sup>4</sup> See also 84 Ops. Cal. Atty. Gen. 30 (2001) (opinion of the attorney general that the Brown Act does not allow a quorum of a legislative body to discuss agency business over e-mail even if those e-mails are made publicly available and posted to the agency's website).



**ACTION MINUTES**  
**OF THE**  
**REGULAR MEETING**  
**TRAILS AND LANDSCAPING COMMITTEE**  
**[Citizens Oversight Committee]**

**November 19, 2012**

**1. COMMITTEE CALL TO ORDER & ROLL CALL**

A. The meeting was called to order at 7:10 p.m. by Chair Jake Pauline at Hoyer Hall, Clayton Library 6125 Clayton Rd, Clayton, CA.

Committee Members present: Larry Casagrande, Anthony Chippero, Jake Pauline (Chair), Harun Simbirdi, Alyse Smith, Bob Steiner, Councilmember Hank Stratford (ex-officio Member).

Committee Members absent: Robert Erich, Kelly Marshall.

Staff present: Asst. to the City Manager Laura Hoffmeister, Maintenance Supervisor Mark Janney

**2. INTRODUCTION OF NEW COMMITTEE MEMBERS:** None. Ms. Hoffmeister reminded the Committee that terms now start in January. The following Committee member's terms will be expiring in December: Bob Steiner, Jake Pauline, Kelly Marshall. Any of the Committee members whose terms are expiring and are interested in continuing will need to fill out the application form. To date staff has been advised that Kelly Marshall will not be reapplying. Chair Pauline stated that he will not be re-applying, so this would be his last meeting. Committee member Steiner stated at this time he was not sure if he would be reapplying.

**3. PUBLIC COMMENTS**

None.

**4. CONSENT CALENDAR**

(a) *Action Minutes from the Committee special meeting of May 21, 2012*

(b) *Landscape Maintenance Staff Quarterly Activity Update since May 21, 2012*

Motion by Committee member Steiner, seconded by Committee member Chippero to approve the consent calendar. Motion passed. (vote: 6-0)

**5. CONTINUED/OLD BUSINESS**

(a) *Adopt a Trail Program Status update.*

Chair Pauline and Committee member Smith provided updates. The current sponsors financial commitments expire in March 2013. They were extended by one year from 2012 to 2013 without additional funds as the committee felt the economic downturn was impacting to business sponsors and the TLC desired to use some of the funds for trail improvements. The TLC approved the use of the Adopt a Trail funds to replace up lights on the Oak Trees along the trail between the creek and the Library, which were completed in 2012. Chair Pauline stated that his schedule had been extremely busy and thus did not have time to make any contact with the current sponsors, or outreach to any new or perspective businesses to become sponsors. Chair

Pauline stated he was certain that Black Diamond Electric and Pauline Family would renew their respective sponsorships. Committee member Smith stated that she had been able to contact former Committee member Virginia Siegel to obtain background information on the Adopt a Trail program as Ms. Sigel was one of the programs founders. Ms. Siegel conveyed that she was planning to renew her family's sponsorship. Committee member Smith agreed to take on the leadership of the Adopt a Trail program and will be contacting the current sponsors who sponsorships expire in March regarding interest of renewal and outreach to seek new and additional sponsors.

Asst. to the City Manager Hoffmeister stated that she would send to Committee member Smith the current budget, current list of sponsor contact information and business listings in the City that could be used for outreach or to seek new or additional sponsorships.

No action taken; informational item only.

*(b) Status report of the deferred landscape Maintenance District projects.*

Maintenance Supervisor Janney reported on status of the Deferred Landscape Maintenance District projects. The Committee asked about the status of the computer controller for the irrigation systems. Maintenance Supervisor Janney stated that there were some technical delays in getting it up and running: one with the relay antenna siting's, the other from the company related to software updates for compatible version for Windows 7. The computer and network connection has been installed. The antenna and software upgrade will be completed during the winter, it is expected that all will be up and operational by late spring when the irrigation systems will be turned back on. (They are turned off in late fall through early spring).

The Committee by consensus received and accepted the report.

*(c) Future Clayton Pioneer articles re: Adopt- a – Trail and Landscape Maintenance District – verbal status report.*

Chair Pauline and members of the Committee gathered for a group picture for use in the Clayton Pioneer. It is hoped that a future article could be done on the Committee to remind the public of its existence, its oversight of the special tax funds, highlight the Annual Report for 11-12, and the landscape improvements completed to date and the members being residents – your neighbors. It was suggested that when new members are appointed that a new group picture be taken and placed on the City Web site under the TLC section.

No action taken; informational item only.

## **6. NEW BUSINESS**

- (a) Consideration and recommendation to the City Council on the proposed Annual Report for the Landscape Maintenance District for FY 2011-2012 as the Citizens Oversight Committee for Measure B.*

Chair Pauline reviewed the report and thanked Committee member Steiner and Casagrande for their assistance. Committee members noted that there has been positive progress made over the last couple of years in the Landscape District and the public is noticing the improvements. Staff confirmed that once the City Council receives and accepts the report it will be posted along with the prior years on the City Web site. Staff noted there were some typos that will need to be corrected prior to forwarding to the City Council.

Motion by Committee member Chippero, seconded by Committee member Simbirdi to approve the report and forward it to the City Council. Motion passed (Vote 6-0.)

## **7. CORRESPONDENCE** – Informational Only

*Letter from City Manger dated October 22 in response to letter received October 17 from Jack and Joan heal re: Clayton Rd. landscaping.*

## **8. COMMITTEE ITEMS**

- (a) Consideration future Clayton Pioneer TLC column/article ideas- committee member(s) to prepare.*

It was noted that Chair Pauline last meeting and that Committee member Smith volunteered to work on writing an article on the Adopt A Trail for the Clayton Pioneer.

- (b) Assignment of Committee Report to the City Council at its December 18<sup>th</sup> meeting.*

Chair Pauline, Committee members Simbirdi and Smith volunteered to attend. Chair Pauline would provide the verbal reports, and the other two committee members would be attending to get a better understanding of the process. Vice Chair Marshall suggested and committee members agreed that Chair Pauline be contacted to attend and provide the TLC recommendation regarding the proposed budget.

- (c) Future agenda items:*

Future Agenda Items: (all future agendas will include minutes; status on Adopt a Trail; Maintenance Work Status Report for the District; Deferred projects status report)

Jan/Feb 2013 – mid-year budget status; selection of new Chair and Vice Chair

May 2013 – proposed landscape District Budget for FY 2013/14

August/September- FY 2012/13 TLC prepared draft Annual Report

*(d) Committee member communications:*

None

*(d) Staff Communications:*

None.

## **8. ADJOURNMENT**

Upon call by Vice Chair Marshall, the meeting adjourned at 7:35 p.m. The next meeting of the Trails and Landscape Committee is planned for Monday January 28, 2013 at 7:00 pm Hoyer Hall, Clayton Community Library

Minutes prepared by:

\_\_\_\_\_  
Laura Hoffmeister, Asst. to the City Manager

APPROVED BY THE COMMITTEE

\_\_\_\_\_  
, Chair



Agenda Date: 3/25/13

Agenda Item: 6(b)

# QUARTERLY REPORT UPDATE TRAILS & LANDSCAPING

11/19/12 to 3/25/13

- Spot spray herbicides and pull weeds in the Landscape District Citywide. Also applied pre-emergent to the Landscape Citywide.
- Started to turn on Irrigation systems in the Landscape District over the past few weeks. Over the winter months made numerous repairs to the irrigation system within the Landscape District. The problem we continue to see is from maturing trees crushing pipes to parts like valves failing because of an age. These problems will only get worse as time passes and will use up more man hours and resources to keep the systems operating.
- Water Fountain had more electrical problems with the main panel needing replacement that feeds all the electricity to the Fountain. After this was repaired we found the Geyser Pump had failed so the pump motor was replaced with a higher energy efficient one. See staff report that was given to the Clayton City Council in your packet for more information on the pumps and their energy usage.
- The Clayton Entry signs now have the new and refurbished informational signs rehung underneath them, completing the entry signs.
- Continued our semi-annual trimming of the Landscape over the winter along Oakhurst Drive, Clayton Road, Center Street, and trimming some of the Crape Myrtle trees.
- Removed trees in the open space that were causing damage or were a danger to residential property on East Myrick Court. Also did sight trimming along Clayton Road at Mitchell Canyon Road for the signal.
- Lower the flood lights for the downtown informational signs so they will be less prone to vandalism.
- Replace the 8 tulip trees that had died in the Clayton Road median by the Westwood subdivision with 8 new Sycamore trees.



Agenda Date: 3/25/13

Agenda Item: 6(c)

# STAFF REPORT

Approved:

Gary A. Napper  
City Manager

**TO: HONORABLE MAYOR AND COUNCILMEMBERS**

**FROM: Maintenance Supervisors**

**DATE: March 5 2013**

**SUBJECT: Clayton Fountain Pump Energy Efficiency Report**

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## **RECOMMENDATION**

Following staff report and public comment, that Council provides any policy direction regarding this matter and/or submit requests for Clayton Fountain operation reviews to its Trails and Landscape Committee.

## **BACKGROUND**

Staff was requested by the City Council to conduct research into energy efficient upgrades for the pumps at the Clayton Fountain. The hypothesis was there are more efficient models than the current Fountain pumps. This interest is hope in making the Clayton Fountain more cost effective to allow its more frequent operation (on a daily basis) instead of operation based on approved Council Policy (selected special events and holidays).

The Clayton Fountain, located at the corner of Clayton Road and Oakhurst Drive, was part of the Oakhurst subdivision and was constructed as part of the Oakhurst Development. The Fountain contains two ponds; one is an upper pond (about twenty five feet above the lower pond) that houses the 'geysers' and also forms the waterfall portion where the water overflows down the rocks into the lower pond. The lower pond is the larger of the two ponds and is where the water is collected from the falls and pumped back up to the upper pond.

When the Fountain was built (around 1992) it became part of the Oakhurst Landscape District (OLD), which was formed to fund and to maintain the landscape improvements within the development when the Oakhurst Development was being constructed. The water fountain's operation was funded by this District which received funds from the new property owners within the Oakhurst Development (and by the developer of Oakhurst until the development had been completely built out). In 1997 Clayton voters approved Ballot

Measure 'E' merging the Oakhurst Landscape District with the already existing Clayton Landscape District to make one special district within the City and to equalize the parcel tax from each property owner within the two smaller districts.

Voter approval of the single district brought an initial term of ten years (to 2007) for the new Landscape District; if not renewed by Clayton voters by the end of this ten year life, the District and its accompanying revenue would cease to exist, along with monies to maintain and operate the District landscaping. Sometime after these districts merged in 1997 it was determined there was not going to be sufficient revenue in the budget to operate the Clayton Fountain on a year round basis with all of its other obligations. A decision was made to completely stop running the Clayton Fountain to save the new Landscape Maintenance District resources for other higher priorities within the District (e.g. public landscape and trails).

A few years later in 2002 the community issue arose again urging the Clayton Fountain's full operation. Arising from this request the Clayton City Council approved a Clayton Fountain Operational Policy which allowed private parties or organizations to request running the Fountain for a fee. As established by the Clayton City Council, the Policy also designated days of operation of the Fountain on specified holidays and City-sponsored events. In the following year and four years before the City Landscape Maintenance District was going to sunset, the Clayton City Council established a "Blue Ribbon Citizen Committee" to assist in development of a strategic plan to guide the Landscape Maintenance District. After many meetings and much research the Blue Ribbon Committee came up with a strategic plan that included a renewal measure for another ten year term of the Clayton Landscape District. The measure included a set of standards for the care of the landscape within the District with associated costs, a bond issuance to capitalize the District revenues and commencement of replacement landscaping and improvements immediately; this plan also supported funds for the Fountain's operation on weekends.

The Blue Ribbon Committee determined, after much research, that the costs to operate the Fountain on a 365 day schedule were too high to incorporate as part of the overall measure so it compromised with just a weekend running schedule. The cost per parcel for weekend operation was estimated then to be \$10.29 and for year round schedule at 18 hours a day \$22.34. The City Council accepted the Blue Ribbon Committee's recommendations and placed Ballot Measure "M" to a vote of Clayton residents in 2005. The Measure failed to garner enough votes to pass with the 2/3 majority rule.

After the failure of Measure "M" the committee was asked by the City Council to go back to the drawing board and come up with a leaner ballot measure that could be passed by the Clayton electorate. What resulted was a less costly measure with leaner maintenance standards to bring down costs. In the inevitable exchange and squabble over priorities and standards, the final proposal eliminated the Clayton Fountain from weekend operation and the bonds for deferred maintenance projects within the Landscape District. The resultant Measure "B" passed overwhelming by the Clayton voters in 2007. Since its passage the Clayton Fountain now only operates as it previously did with eleven (11) holiday/special event days designated in 2002 by the Clayton City Council.

## **THE FOUNTAIN'S PUMPS**

There are three major pumps used in the operation of the Clayton Fountain which are all housed in a 'vault' approximately fifteen feet underground. These pumps are as follows:

A. One 3HP (HP-Horse Power) pump that operates the filter pump much like a swimming pool pump is used. The difference between this pump and a swimming pool pump is how it operates; this particular Fountain pump needs to move more water per minute (approximately 160GPM (GPM-gallon per minute)) plus lift it 35 feet in elevation. This function is much more than what a residential swimming pool pump does. Most residential pools are smaller in size so they need much less water moved per minute and usually have the pumps located at the pool water level or close to it. The Clayton Fountain ponds necessitate a single speed 3hp pump for this task instead of a two speeds or variable speed pump commonly found in a swimming pools filtering systems. This pump must run daily year round for public health and welfare concerns just as a homeowner's pool needs to be constantly ran for the same reasons. This pump has been replaced in the last year so it meets all of the newest energy efficiency standards for a single speed motor.

B. One 25HP pump that operates the geysers is located in the upper pond at the Clayton Fountain. The existing pump motor had an 89.5% efficiency rating at full load. The pump moves approximately 1300 GPM of water and costs approximately \$4.58 an hour to operate with the cost for electricity at .22 cents per Kwh. (PG&E shown rate plan).

Recently this pump motor shorted out and is not operational. The cost to rebuild this motor (remove, rebuild, and reinstall) would be about the same as purchasing a new premium efficient motor. Staff obtained quotes to replace this motor with a brand new premium efficient motor (93.6% efficiency rating) with the lowest quote at \$3,554.36 including labor for the installation. This new premium pump motor has just been installed with its completion on February 25th. Funding for this replacement came from the Landscape District budget.

C. One 30HP pump operates the waterfalls that cascade from the upper pond to the lower pond. The existing pump motor has a 90.2% efficiency rating at full load. The pump moves approximately 3000 GPM of water and costs approximately \$5.14 an hour to operate with the cost for electricity at .22 cents per Kwh.

In preparation for this report, staff had the Fountain inspected by Grundfos CBS, Inc., the manufacturer of the 25HP and 30HP pumps located at the Clayton Fountain. The technician's report is attached but essentially indicates the installed pumps are of standard commercial efficiency and replacing the motors with premium efficient motors will give only a small improvement in energy usage. The pumps themselves are rated at an 86% efficiency rating which is among the highest in the industry. The following table shows the differences in operating costs between a new premium efficient motor and the existing pump motor running for a twelve and eighteen hour day. As the report attached from Grundfos states, the longer the pumps run the greater the energy savings but of course greater are the operational costs:



Current Pumps vs. Premium Efficient Pumps

Type/Run Time	Feature	Kw cost	HP/rating	Hour/cost	Day/cost	Monthly cost	Yearly cost
Old/Pump 12 HRS 18 HRS	Geyser	00.22	25HP	\$4.58	57.16 82.44	1,738.62 2,507.55	20,867.43 30,090.60
New/Pump 12 HRS 18 HRS	Geyser	00.22	25HP	\$4.39	52.68 79.02	1,602.35 2,403.53	19,228.20 28,842.30
Old/Pump 12 HRS 18 HRS	Waterfall	00.22	30HP	\$5.14	61.68 92.52	1,876.10 2,814.15	22,513.20 33,769.80
New/Pump 12 HRS 18 HRS	Waterfall	00.22	30HP	\$4.96	59.52 89.28	1,810.40 2,715.60	21,724.80 32,587.20

Example: for an eighteen hour a day running time (which is the operational time for special events per day), the yearly (365 days) savings using premium efficient motors for both pumps would be \$2,430.90. Be advised the assumption for electrical costs will be higher than shown during peak demand times which are during the summer months from 12pm to 6pm. The .22 cents Kwh charge is the flat rate the City now pays under our new demand rate plan during the year but will increase in Kwh costs when summer time demand charges are incurred. This will affect the total savings seen in old pump motor versus new pump motor because of the increase costs for electricity, which provides more dollar savings but does not change the amount of power that would be used. Further, the City's overall total cost for energy will be more during this time because of the higher price for electricity.

**ANALYSIS**

By replacing the two existing pump motors with higher efficiency pump motors, the overall savings for a 365 day operation would be approximately 4% in energy usage. The added cost to the Landscape Maintenance District to run the Clayton Fountain on a daily basis would be \$58,221.90. This cost does not include the on-demand charges PG&E will assess in the summer months, the operating costs now incurred to operate the Clayton Fountain, or the capital cost to purchase premium efficiency motors.

The Fountain's currently-limited operation costs are around \$22,382 which includes the previous 12 months of electrical cost (power for lights, filter, and pumps running for special events) and monthly maintenance. Using those figures the total cost to operate the Clayton Fountain year round for eighteen hours a day would be a minimum of \$80,604 a year. There would likely be more repair/maintenance costs associated with operating the pumps year round plus the unknown cost of power during peak usage time. The cost to operate

based on this schedule could easily reach \$100,000 a year in operational cost or over 10% of the annual Landscape Maintenance District Budget.

If the last pump (30HP waterfall) is upgraded to a premium efficient rating, the estimated cost would be \$7,291.90 for the new pump motor and installation (see attached quote). Operation of the Fountain on its current special event/holiday schedule produces a net energy savings of \$59.40 a year, which means it would take 122.76 years for the motor to pay for itself from the energy savings. If the premium efficiency pump was used on a 360 day schedule at the 18 hours per day, the energy savings (at today's rates) would be \$1,182.60 a year for a payback time of 6.17 years. Under the last scenario, the cost to operate the Fountain more frequently needs to be factored into the "savings" equation.

### **POLICY QUESTION**

Over the past two fiscal years the Clayton Landscape Budget has operated in an acknowledged deficit because of the many deferred maintenance projects that were being funded from this budget, including the just completed Clayton Road Median Project in the downtown, the CVS terraced walls, and Daffodil Hill. At the end of the 2011/12 fiscal year the reserve within the Clayton Landscape District stood at \$115,127 which is below the reserve levels the City would prefer to maintain for the operation of the Clayton Landscape District. The 2012/13 approved Clayton Landscape District budget is forecast to show a recapitalization of the reserves to \$217,000, a level more in historical line with City preferences. If the City Council decides it would like the Clayton Fountain to run on a 365 day schedule with the added estimated cost of between \$60,000 and \$80,000 year to the Clayton Landscape Budget, such direction would push a policy discussion of existing service cuts within the budget to keep the Clayton Landscape District from operating in the red.

Should the City Council be interested in pursuing an elevated Clayton Fountain operation in the Landscape Maintenance District, staff recommends the policy question be referred to the citizens Trails and Landscaping Committee (TLC) for its review and recommendation to the City Council.

Attachments: Energy analysis Paco Pumps [2pgs]  
PG&E energy usage and rate plan [3pgs]  
Paco pumps quote for 30hp motor [1pg]  
Pictures of the pumps (3)

**GRUNDFOS CBS, INC**  
**PACO PUMPS**  
**SERVICE- SALES- PARTS**

25568 Seaboard Lane, Hayward, CA 94545  
Phone: 510-512-1300 Fax: 510-639-3360

**TO:** CITY OF CLAYTON  
**ATTN:** MARK JANNEY  
**REF:** PACO WATER FEATURE  
PUMPS  
**PHONE:** (925) 673-7327  
**EMAIL :** mjanney@ci.clayton.ca.us

**FROM:** DAVE DECKER  
**DATE:** 02-04-2013  
**PHONE:** (510) 512-1345 OFFICE  
(510) 999-1184 CELL  
**FAX** (510) 639-3360  
**PAGES:**

**REMARKS:**  Urgent  For your review  Reply ASAP  Please Comment

**PROPERTY LOCATION:** INTERSECTION OF CLAYTON RD & OAKHURST DR  
**EQUIPMENT LOCATION:** INSIDE PUMP VAULT  
**EQUIPMENT TYPE:** WATER FEATURE "GEYSER PUMP" & "WATERFALL PUMP"  
**BRAND/MODEL:** PACO/10-50957 W/ 25 HP, 1760 RPM, TEFC, 89.5% STANDARD  
EFFICIENCY MOTOR & PACO/29-10129 W/30 HP, 1175 RPM, WP-1, 90.2% EFFICIENCY  
MOTOR RATING

Dear Mr. Janney,

Thank you for arranging our recent site meeting to inspect the PACO water feature pump installation. As per our discussions I am pleased to provide the following pump energy cost analysis for your consideration:

**ENERGY ANALYSIS**

The existing PACO "Geyser Pump" has a standard efficiency motor with a full load efficiency rating of 89.5%. Based on the information you provided, the following assumptions can be made:

- The pump runs 14 hours per day approximately 30 days per year for a total of 420 hours per year
- The cost of electricity is estimated at .19/KWHr

Utilizing wire to water efficiency calculations (motor efficiency times pump efficiency) the cost of pumping with a standard efficient motor (89.5%) is estimated to be \$1,663.00 per year. The same calculation applied to a Premium Efficient motor with a full load efficiency rating of 93.6% is estimated to cost \$1,591.00 per year. A Premium Efficient motor results in an annual savings of approximately \$72.00 in electricity costs.

Of course the savings would be much more dramatic if the pump operating cycles were increased. Additionally, the existing PACO pump has an 87% efficiency rating (among the highest in the industry) which further helps to reduce the cost of pumping for this pump installation.

PAGE TWO (Cont.)

The motor on the existing PACO "Waterfall Pump" has a full load efficiency rating of 90.2%. Using the stated assumptions above, the cost of pumping with the existing 90.2% efficient motor is estimated to be \$1,866.00 per year. The same calculation applied to a Premium Efficient motor with a full load efficiency rating of 93.6% is estimated to cost \$1,799.00 per year. A Premium Efficient motor results in an estimated annual savings of approximately \$67.00 in electricity costs.

Again, the savings would be much more dramatic if the pump operating cycles were increased. Additionally, the existing PACO pump has an 86% efficiency rating (among the highest in the industry) which further helps to reduce the cost of pumping for this pump installation.

Please feel free to contact me at any time should you have any questions.

Sincerely – Dave Decker



CITY OF CLAYTON  
 Account #: 7293447797  
 COR OAKHURST &  
 CLAYTON CA 94517  
 Service Agreement #: 7293447130

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<p><b>Your current rate</b>  <b>A10 Standard</b></p> <p>Prices stay the same all day. This rate has a demand charge.</p>	<p><b>E19 Time-of-Use</b></p> <p>Prices change by time of day. This rate has a demand charge.</p> <p>Save on this rate if you can use little in the afternoon.</p>	<p><b>A10 Peak Day Pricing</b></p> <p>Prices change by time of day and are higher 9 - 15 days annually. This rate has a demand charge.</p> <p>This rate has extra options</p> <p>Save on this rate if you can be flexible on 9 - 15 days per year.</p>
<p><b>E19 Peak Day Pricing</b></p> <p>Prices change by time of day and are higher 9 - 15 days annually. This rate has a demand charge.</p> <p>This rate has extra options</p> <p>Save on this rate if you can be flexible on 9 - 15 days per year.</p>	<p><b>A10 Time-of-Use</b></p> <p>Prices change by time of day. This rate has a demand charge.</p> <p>Save on this rate if you can use little in the afternoon.</p>	

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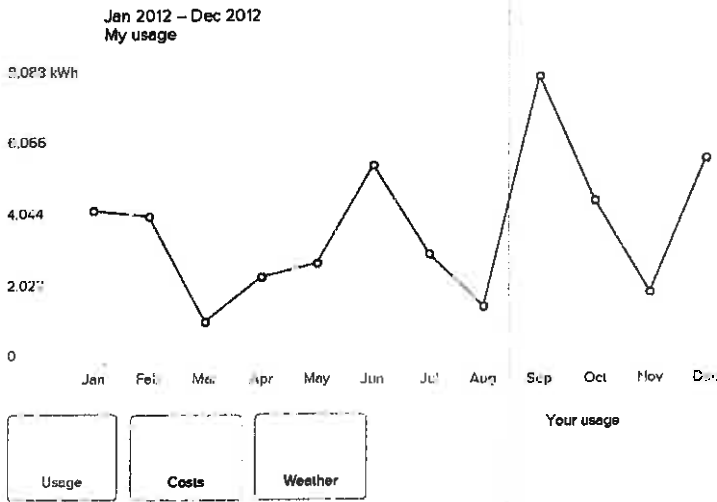
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- Free steps to take
- Smart purchases
- Great investments

The graph displayed above depicts only usage and volumetric usage charges based on available interval data. The graph does not include other fees such as local utility user taxes and certain other taxes, surcharges and fees or medical baseline adjustments. As a result, the volumetric usage charges displayed in the graph will not reflect all of the charges on your bill.

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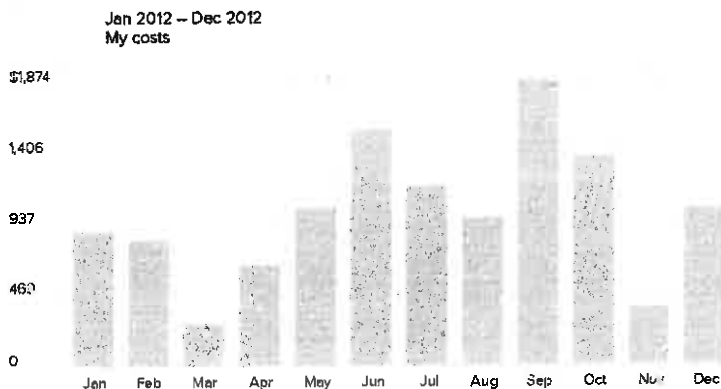


My Usage Details My Rates

### My Energy Use

Show my electricity

Location: COR OAKHURST & CLAYTON, CA [change](#)



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Your spending

Usage

Costs

Weather

The graph displayed above depicts only usage and volumetric usage charges based on available interval data. The graph does not include other fees such as local utility user taxes and certain other taxes, surcharges and fees or medical baseline adjustments. As a result, the volumetric usage charges displayed in the graph will not reflect all of the charges on your bill.

**GRUNDFOS CBS, INC**  
**PACO PUMPS**  
**SERVICE- SALES- PARTS**

25568 Seaboard Lane, Hayward, CA 94545  
Phone: 510-512-1300 Fax: 510-639-3360

**QUOTATION**

**TO:** CITY OF CLAYTON  
**ATTN:** MARK JANNEY  
**REF:** PACO WATERFALL PUMP

**FROM:** DAVE DECKER  
**DATE:** 02-14-13  
**PHONE:** (510) 512-1345 OFFICE  
(510) 999-1184 CELL  
**FAX:** (510) 639-3360

**PHONE:** (925) 673-7327  
**EMAIL:** mjanney@ci.clayton.ca.us

**PAGES:**

**REMARKS:**  Urgent  For your review  Reply ASAP  Please Comment

**PROPERTY LOCATION:** INTERSECTION OF CLAYTON RD & OAKHURST DR  
**EQUIPMENT LOCATION:** INSIDE PUMP VAULT  
**EQUIPMENT TYPE:** "WATERFALL PUMP"  
**BRAND/MODEL:** PACO/29-10129-155001-1883 WITH 30 HP, 1175 RPM, WP-1  
ENCLOSURE, 90.2% STANDARD EFFICIENCY MOTOR  
**PROBLEM REPORTED:** NONE – OWNER CONSIDERING UPGRADE TO PREMIUM  
EFFICIENT MOTOR

Dear Mr. Janney,

As per our discussions I am pleased to provide the following Premium Efficient motor quote for your consideration:

**MATERIAL SCOPE**

Provide a new PREMIUM ENERGY EFFICIENT vertical motor for the existing PACO "Waterfall Pump" as referenced above:

(One) US MOTORS 30 HP, 1200 RPM, 3 PHASE, 230/460 VOLT, 60 HZ, WP-1  
ENCLOSURE, 326VP FRAME, PREMIUM EFFICIENT VERTICAL SOLID SHAFT MOTOR  
Weight – 725 Lbs.

Motor Cost: **\$4,140.00 (Plus Tax & Shipping)**

**INSTALLATION SCOPE**

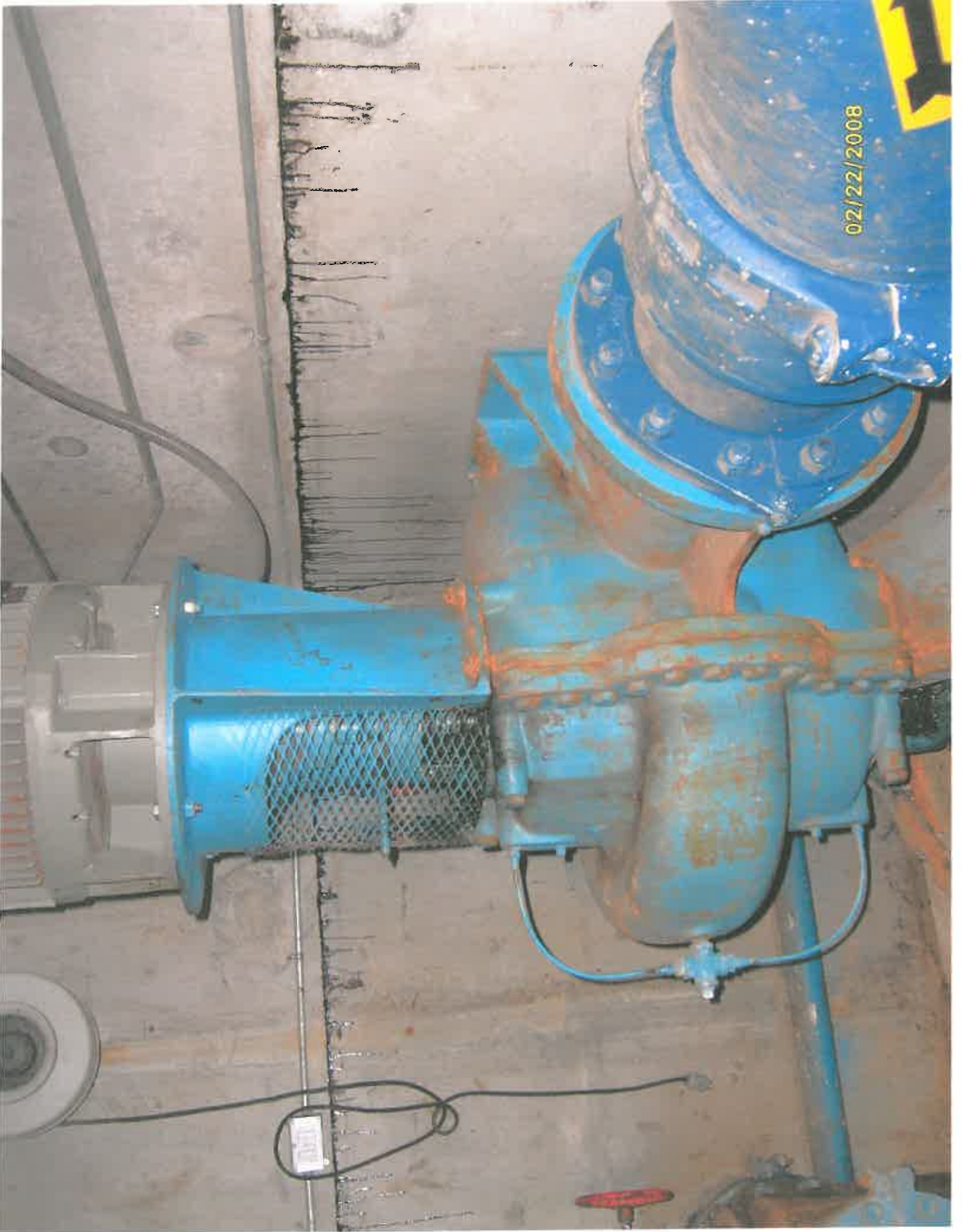
Provide two Field Service Technicians and all necessary rigging equipment to install above Premium Efficient motor. All necessary wiring connections will be made for a complete "turn-key" installation.

Labor Cost to Install Above Motor: **\$2,800.00**





02/22/2008



02/22/2008



**Adopters/Revenues**

<u>Name</u>	<u>Sponsor Type</u>	<u>Trail Section</u>	<u>Amount Recvd</u>	<u>Date \$ Recvd</u>	<u>Ag. recvd</u>	<u>Start Date</u>	<u>Expiration Date</u>
Pauline Family Black Diamond Electric	Volunteer Labor Financial	Cardinet Trail (Library - Lydia Ln Pk) Cardinet Trail (Library - Lydia Ln Pk)	\$200 \$1000	2/1/2011 2/1/2011	Yes	3/1/2011 3/1/2011	3/1/2012 3/1/2012
Passport2Clayton (P2C) Passport2Clayton (P2C)	Volunteer Labor Financial Sponsor	Bruce Lee Trail (Upper Easley Trail) Bruce Lee Trail (Upper Easley Trail)	\$200 \$1000	2/1/2011 2/1/2011	Yes	3/1/2011 3/1/2011	3/1/2012 3/1/2012
Employees of CD Federal Credit Union Discovery Builders	Volunteer Labor Financial Sponsor	Blue Oak Trail Blue Oak Trail	\$200 \$1000	2/9/2011 2/17/2011	Yes	3/1/2011 3/1/2011	3/1/2012 3/1/2012
Siegel Family Diablo Ford	Volunteer Labor Financial Sponsor	Lower Easley Trail Lower Easley Trail	\$200 \$1000	2/1/2011 2/1/2011		3/1/2011 3/1/2011	3/1/2012 3/1/2012
Dan Pauline Bannister Electric	Volunteer Labor Financial Sponsor	Cardinet Trail (Lydia Ln Pk - Westwood Pk) Cardinet Trail (Lydia Ln Pk - Westwood Pk)	\$200 (from CBCA) \$1000	2/1/2011 8/7/2009	Yes	3/1/2011 3/1/2011	3/1/2012 3/1/2012

Available  
Available

<u>Date</u>	<u>purpose</u>	<u>Amount</u>
3/8/2009	19.5 hrs maintenance temp labor make/ install signs	\$219.00
4/17/2009	materials for sign posts	\$1527.34
6/23/2009	signs printing (bay area barricade)	\$98.87
6/30/2009	t-shirts	\$289.51
8/9/2009	wood for future sign posts (Dolan's Lumber)	\$595.15
8/9/2009	sign printing (Bay Area Barricade)	\$10.93
5/14/2010	Clayton Pioneer Ad	\$200.00
8/31/2011	sign re-screening	\$10.82
8/31/2011	Signs (Bay Area Barricade)	\$209.35
8/31/2011	27 hrs maintenance reg/temp labor make/install signs	\$1116.80
11/30/2011	Oak tree lights (trail by library)	\$3305.98
11/30/2011	electric wire and parts for oak tree lights (trail by Library)	\$437.00
12/30/2011	17 hrs reg/temp labor install oak tree lights (trail by library)	\$697.00
<b>Total Expenses to date</b>		<b>\$8717.75</b>

**Donations**

Renewal and New as of 3/1/11	\$5050
Prior balance	\$4200
	<b>\$9250</b>

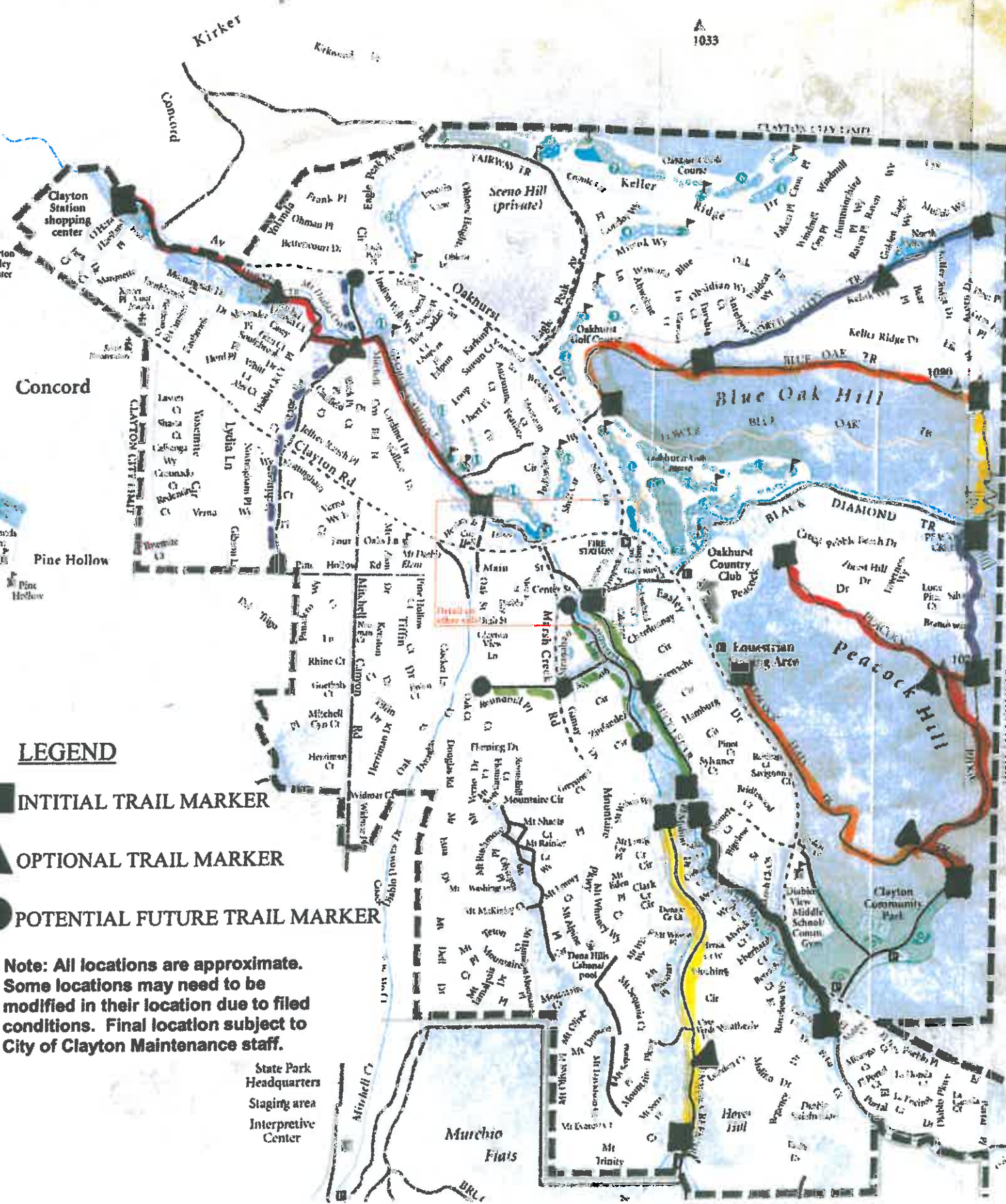
6/30/2012 Account Balance: \$9250-\$8715.75 = \$532.25

# City of Clayton General Ledger Report

Date	Trans.	Journal	Reference	Debit Amount	Credit Amount	Balance
<b>210-5702-00</b>						
<b>Account: 210-5702-00 (Donations/Contributions)</b>						
7/1/2007			<i>Account Beginning Balance</i>			\$0.00
6/30/2009	475-2	GL	J.Pauline-Cardinet Trail		\$1,200.00	
6/30/2009	475-12	GL	CDFedCrUnion- Blue Oak Trail		\$1,200.00	
6/30/2009	475-14	GL	J.Waldron-Bruce Lee Trail		\$200.00	
6/30/2009	475-16	GL	Knowledge Learning Cir-Trail		\$200.00	
6/30/2009	478-2	GL	Suddereth 1/31/05 Auditor ADJ		\$500.00	
6/30/2010	957-2	GL	KSullivan DonnerTrail Donation		\$200.00	
6/30/2010	957-4	GL	CBCA LydiaLn/Westwd PkDonation		\$1,000.00	
6/30/2010	957-6	GL	GS Troop 3049 & 31895 (CBCA)		\$200.00	
2/16/2011	1159-15	Cash Management	✓CD Federal Credit Un-67-381		\$250.00	
2/16/2011	1159-21	Cash Management	✓Black Diamond Electr-67-384		\$1,000.00	
2/16/2011	1159-23	Cash Management	✓Diablo Ford-67-385		\$1,000.00	
2/16/2011	1159-25	Cash Management	✓Jason Pauline-67-386		\$200.00	
2/16/2011	1159-27	Cash Management	✓Virginia Siegel-67-387		\$200.00	
2/16/2011	1159-29	Cash Management	✓Daniel Pauline-67-388		\$200.00	
2/16/2011	1159-31	Cash Management	✓Banister Electric, I-67-389		\$1,000.00	
2/22/2011	1167-22	Cash Management	✓Discovery Builders, -70-426		\$1,000.00	
5/24/2011	1313-37	Cash Management	✓Passport to Communt-121-752		\$1,200.00	
				<i>Account Subtotals</i>	\$0.00	
						\$10,750.00

	(\$10,750.00)
<i>Account Net Change</i>	(\$10,750.00)
<i>Account Ending Balance</i>	(\$10,750.00)

Pass  
 Rd  
 Kirker  
 Kirker Pass 920



Concord

Pine Hollow

**LEGEND**

- INITIAL TRAIL MARKER
- ▲ OPTIONAL TRAIL MARKER
- POTENTIAL FUTURE TRAIL MARKER

**Note: All locations are approximate. Some locations may need to be modified in their location due to filed conditions. Final location subject to City of Clayton Maintenance staff.**

State Park  
 Headquarters  
 Staging area  
 Interpretive  
 Center

Murchio  
 Flats

Blue Oak Hill

Peacock Hill

Concord Pavilion

1033

1090

100

CLAYTON CITY MAP

CLAYTON CITY MAP

Agenda Date: 3/25/13

Agenda Item: 7(b)

# Memo

**To:** Trails and Landscape Committee  
**From:** Maintenance Staff  
**Date:** March 25 2013  
**Re:** Landscape Deferred Project Status

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The following is an update on approved deferred projects in the Clayton Landscape District

**Spot Replant:** Ongoing; finished with the replant, irrigation upgrade, and installation of a maintenance strip on the Clayton Road median noses. Next item is to replace eight tulip trees that were removed this past summer from disease in the median on Clayton Road at Westwood.

**Keller Ridge Tree Trimming and Replacement:** Staff has applied for some urban forestry grant monies to help pay for this project and at this time they have informed us that they ran out of grant money but maybe getting more in the next fiscal year. Started some irrigation repairs/upgrades along the road. We are working on job specifications so we can put this project out for bid.

**Jeffery Ranch Court Replant:** On hold until a neighborhood meeting can be organized to get input from area residents.

**Clayton Road Downtown Median Project:** This project was completed and accepted by the Clayton City Council at their September 18<sup>th</sup> meeting. The total cost of the project was \$304,173.78 which was \$15,537.72 under the approved budget of \$319,711.50. The contractor maintenance agreement ends on November 28<sup>th</sup> when the Cities Landscape District will take over the maintenance of the project area.

**Daffodil Hill:** This project was also completed and accepted by the Clayton City Council at their September 18<sup>th</sup> meeting. The total cost of the project was \$47,500.00 which came in within budget. Half the monies for this project came from CBCA with the other half from the Landscape District. The contractor's maintenance agreement also ends on November 28<sup>th</sup> for this project and the Landscape District will take over maintenance duties for this site.

**Irrigation Central Control Upgrades:** Evaluation of existing equipment has been made for needed upgrades; the technical issues that we were experiencing with system set up have been resolved. These issues included the placement of radio antennas for communication with the controllers within the Landscape District. The company representatives preformed radio signal tests from numerous locations within the City to our Maintenance yard where the central controller computer will be located. Issues with the software have been resolved to work with our computer network and windows 7. Upgrades needed to our ten existing evolution controllers (these are the only controllers in the District that can be centrally operated) in the Landscape District is under way. We have applied and were awarded a radio license from the FCC to allow the controllers to communicate with the central computer. At this time the radios are being programmed and will be installed shortly. Staff has also attended an all-day seminar on the irrigation software.

**Trail Repairs:** The over lay of the Bruce Lee Trail (upper Easley) was include in the street pavement bid and was awarded by City Council in early March. Work is schedule to start on the overall paving project on April 1 and be finished by May 15. The price came in well below what was estimated and budget to repave Upper Easley that the trail along El Molino is getting a portion of it overlaid at the same time.

# CLAYTON PIONEER

— Last Updated on October 22, 2012 —

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## Clayton Fountain still green, less thirsty



June 20, 2011 - By Tamara Steiner

City crews finished the re-landscaping of the Clayton Fountain last week with a splash of green sod across the front.

The new design is drought-tolerant and low maintenance and reduces the previous lawn area by 65 percent. Bioswales in the median and at the east end of the fountain are designed to manage storm water, filtering it and sending it back into the ground instead of allowing it to run off into the storm drains.

The new landscaping replaces the high maintenance, water thirsty lawns and annuals that died in last year's drought. After some initial criticism of the starkness of the design, public reaction to the finished product has been overwhelmingly positive, says Maintenance Supervisor Mark Janney.

"I know that there were some negative comments about the boulders in the Pioneer Letters to the Editor," says Clayton resident Linda Pinder. "But now that the actual plantings are in I think it looks terrific. I think this will once again be a lovely setting for prom and wedding photos."

The fountain project is one of seven Landscape Maintenance District projects slated for completion this year. The city has allocated \$260,000 for all seven which will include median landscaping and pavers along Clayton Road and Oakhurst Blvd and new trees on Keller Ridge Drive.

The city's gateway, known as Daffodil Hill, is a project of the CBCA which is currently in the design and bidding process.







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## City gives green light for new median landscaping

December 05, 2011 - By Tamara Steiner

Clayton's main drag is about to get a whole new look. At the Nov. 16 meeting, the City Council voted to tear out the deteriorating landscaping in the median between Mitchell Canyon Road and Oakhurst Drive and replace it with five illuminated live oak trees, flowering shrubs and terraced walls.

"It will be spectacular," said Councilman Howard Geller. "I can't wait for the first shovel to hit the ground."

The \$230,000 project has been in the works for six years, waiting for water and money.

City Maintenance Supervisor John Johnston, started working on the design in 2006, but it was sidelined by a two-year drought and a sluggish economy.

This year, the Landscape Maintenance District, which operates on a "pay-as-you-go" basis, finally had enough money in the bank to include the project in its capital improvement budget. All of the existing plants and trees in the median will be torn out and the irrigation system replaced with a computerized system that will save on water and labor.

"Sadly, this means the four crape myrtles have to go." There was simply no way to incorporate them into the new design without "sacrificing the vision," Johnston said.

"When you drive into town, we want a canopy of trees down the main boulevards," Johnson explained.

But, it is important in that the canopy be high enough that drivers can see the Town Center when coming down Clayton Road. The oaks, all illuminated with LED lighting, will lift the ceiling as you drop into town, Johnston said.

Between the oak trees are raised planters with flowering shrubs, ground covers, some pavers and terraced walls next to the CVS store.

The council praised Johnston for a well thought-out design that will "showcase the city."

"The plan is awesome," said Julie Pierce before joining fellow council members in a 4-0 vote. "It will knock their socks off." Councilman Dave Shuey was absent.

The city will put the project out for bid in the early spring 2012.





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Daffodil Hill project still on pause

April 09, 2012 - By Tamara Steiner

Once upon a time, springtime brought daffodils to the hillside at Clayton and Marsh Creek Roads.

Now weeds and a few brave poppies cover the ground. Boulders are scattered over the hillside like so many giant meatballs and a monument sign sits at the top proclaiming "Clayton" to all who pass.

The Clayton Business and Community Association (CBCA) started working on the civic project almost five years ago. The improvements so far, have cost the club over \$60,000.

Earlier this year, the CBCA Daffodil Hill committee together with landscape architect Stephen Lane presented a creative design to the City Council. The plans include oak trees, ground cover, seating areas and flowering bushes. At that time, the committee was hoping to get the planting done before this fall.

But, the project stalled because the CBCA has not been able to pin down a viable bid to complete it.

By most contractors' standards, the job is small, and it has been difficult to get them to bid on it, CBCA president Keith Haydon told the City Council at the April 3 meeting. "And the bids we did get were all over the map," he said. One private bid was \$29,000 and the other was \$68,000.

Hoping to get a better deal if the smaller project were bid as part of a bigger job, the club asked the city to include the hillside in the request for bid for the much larger median project. But even that bid came in too high - \$52,000 for Daffodil Hill; still too much, said Haydon.

CBCA wants the city to help pay to finish the hillside. "We're willing to contribute a significant portion, but we aren't a bottomless pit. We've invested over \$60,000 so far and don't have much to show for it."

Because the hillside has been a CBCA project from the start, there are no city funds budgeted for its landscaping. Councilman Joe Medrano wants to find city funds to finish the project. "Not to finish it would be a travesty," he said. Other Council members are more cautious.

Julie Pierce said "In some ways, it would have been better not to have done anything than leaving it half done. But, I'm reluctant to commit city funds."

The hill is not part of the Landscape Maintenance District but the District has the option to annex it, said City Manager Gary Napper.

The Council sent the matter to the Trails and Landscape Committee to evaluate annexation and voted unanimously to award the median project to Stockbridge Construction, the low bidder at \$290,711, not including any Daffodil Hill



# City Council approves CBCA plans for Daffodil Hill

**TAMARA STEINER**  
*Clayton Pioneer*

Daffodil Hill came one step closer to actually sprouting some daffodils after the city council approved a landscaping plan for the city's gateway at the corner of Marsh Creek and Clayton Road last week.

The Clayton Business and Community Association is donating the entire project, which has been on the table since 2005.

The hardscape, boulders, trail improvements and new monument sign were installed in the summer of 2009. But the landscaping was sidelined until the drought was over and the water use restrictions were lifted.

"I drive by that hill two or three times a day and it just cries for color," says Nicole Hackett, a

member of the CBCA committee responsible for the project.

The committee worked with project management consultant Steven Lane to come up with a plan that includes live oak trees, ground cover and flowering shrubs.

"There will be color in every season," said Hackett.

Overall, council members were pleased with the plans. Hank Stratford was concerned that the heritage oak on the hill would eventually be covered by the new live oaks. The committee agreed to remove one of the six oaks planned and move the remaining ones a little further apart.

The CBCA will maintain the landscaping for the first six months after which it will become part of the Landscape Maintenance District.

The next step is for the



**DAFFODIL HILL PROJECT MANAGER STEVEN LANE** presented the CBCA plan to the city council at the Sept. 20 meeting. Lane worked with the committee to create a plan which the council says should be the "signature gateway" to the city.

CBCA to take the council's approval and final bids to the membership for a vote at their September meeting. If approved, planting will begin in October.

# Clayton fountain gets new look

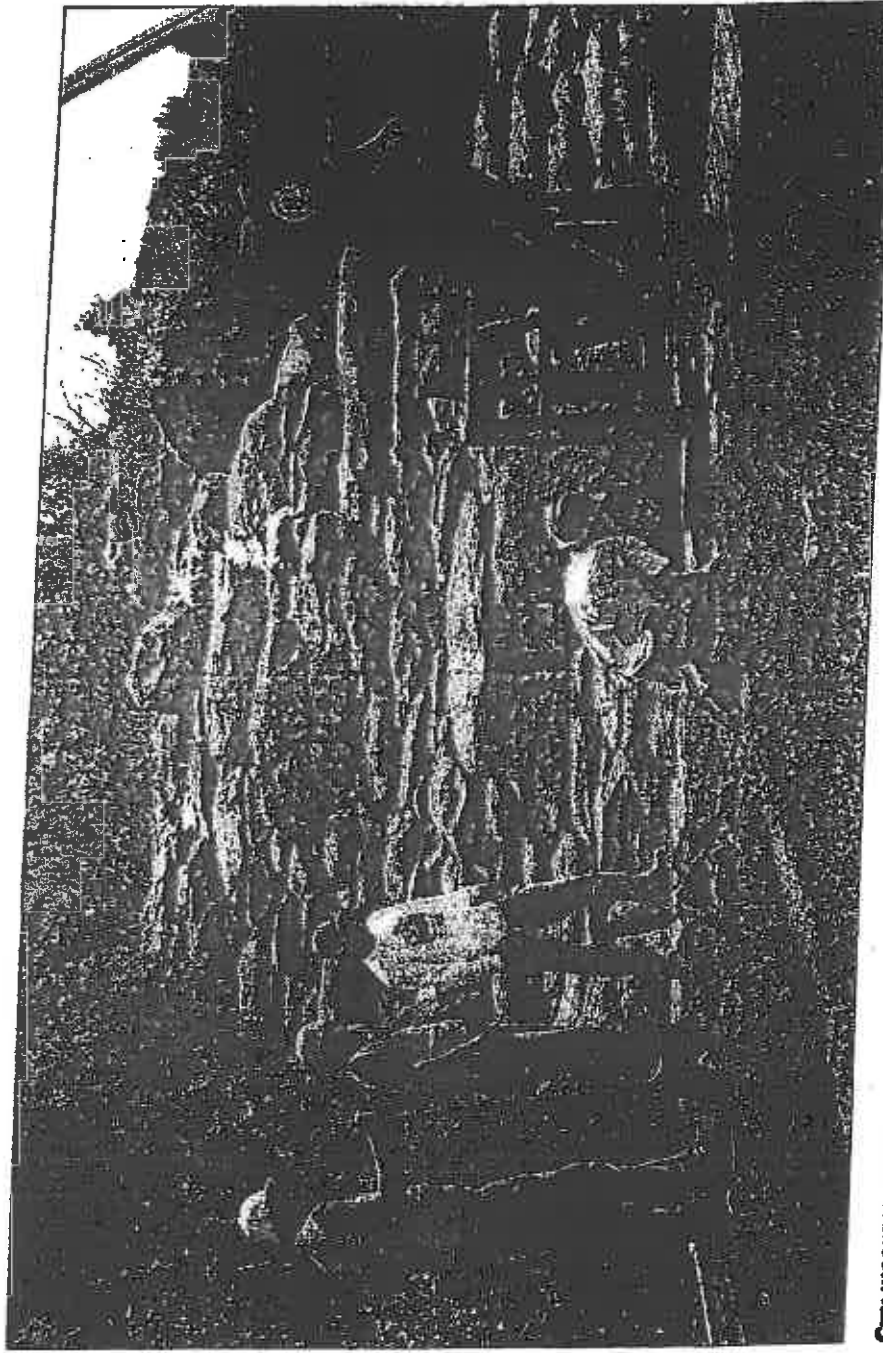
TAMARA STEINER  
*Clayton Pioneer*

The city's fountain at Oakhurst Blvd. and Clayton Road will have a whole new look in a few weeks as the city moves away from the high water use and labor intensive lawns and animals that were severely damaged during the last drought.

Designed by city maintenance supervisor John Johnston, the new landscaping will incorporate boulders and stonework among drought tolerant and low maintenance shrubs and trees. A narrow strip of lawn will stretch across the front of the fountain. The half-circle of flowers will go, says Johnston. "They only look good for a little while. Then the spot is just full of dead flowers."

The \$70,000 fountain project is one of seven Landscape Maintenance District projects slated for completion this year. The District allocated \$260,000

See Fountain, page 7



**CITY WORKERS MANEUVER A BOULDER INTO PLACE AT THE CLAYTON FOUNTAIN** as part of the new design and replanting effort to replace drought-damaged landscaping with lower-maintenance hardscape and shrubs.

Tamara Steiner/Clayton Pioneer

Clayton Pioneer 4/15/11

## Fountain, from page 1

for all seven projects, which include replacement of drought damaged plants and pavers in the medians along Clayton Rd. and Oakhurst Blvd. Keller Ridge Drive will get some new trees and Marsh Creek Circle across from DVMS was replanted last month.

The city's gateway, locally known as Daffodil Hill, at

Marsh Creek and Clayton Roads is a Clayton Business and Community Association Project.

The hardscape and new monument sign were installed in the summer of 2009.

A well on the library grounds will provide irrigation for the hill plants, but the city wanted to wait until after the drought to

install new landscaping. "Putting in new plants during a drought sends a mixed message to the public," explained Gary Napper of the city's decision to wait.

Plans for the hill's design are complete and are ready to go out for bid, according to CBCA committee chair Maryann Lawrence. Pending review by the city and CBCA approval of the cost, the hill could be finished by summer.

Clayton Pioneer 4/15/11

# Clayton Fountain still green, less thirsty

TAMARA STEINER  
*Clayton Pioneer*

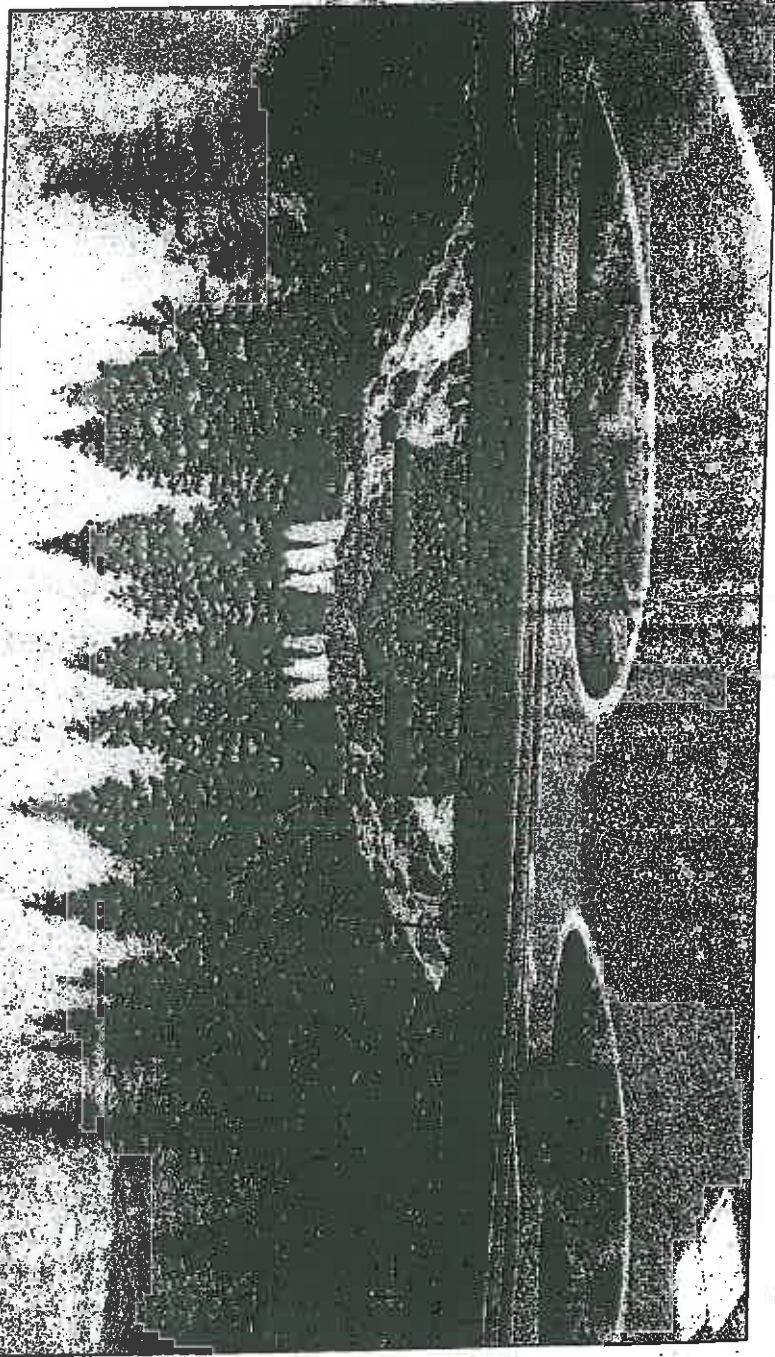
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After some initial criticism of the strictness of the design, public reaction to the finished product has been overwhelmingly positive, says Maintenance Supervisor Mark Janney.

See Fountain, page 17



Tamara Steiner/Clayton Pioneer  
THE NEW FOUNTAIN LANDSCAPING AT THE CORNER OF CLAYTON ROAD AND OAKHURST BLVD., was finished last week. The landscaping is low-maintenance, drought tolerant and complies with water conservation and stormwater management requirements. The fountain is a favorite spot for local photographers.

Clayton Pioneer 6/24/11

## Fountain, from page 1

"I know that there were some negative comments about the boulders in the Pioneer Letters to the Editor," says Clayton resident Linda Pinder. "But now that the actual plantings are in I think it

looks terrific. I think this will once again be a lovely setting for prom and wedding photos."

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Clayton Pioneer 6/24/11

# Report broken sprinkler heads fast

CANDACE BASS

*Special to the Pioneer*

Clayton's Landscape District represents about 8 percent of Clayton's overall city budget. About 20 percent of the Landscape District budget is spent on water. During the hot summer months, the city experiences more irrigation problems.

Most of the irrigation problems are due to broken sprinkler heads throughout the district. According to Mark Janney, the maintenance supervisor who oversees the city's public irrigation system, people break the sprinkler heads about 60 percent of the time. The vast majority of these incidents are inadvertent. Damage can occur from evening joggers or people in golf carts. However, bored kids are frequently responsible for unscrewing the sprinkler heads.

Janney estimates that the

remaining 40 percent are broken over time, the result of aging parts or overgrown roots from maturing shrubs and trees.

Unfortunately, the consequence of a broken sprinkler head is a wasteful loss of water and expense to the district. If a resident notices a sprinkler running during the day for more than one hour, Janney asks them to call the city at 673-7300 so that maintenance can respond promptly. Residents are also encouraged to report any type of sprinkler malfunction at the city's Website, [www.cityofclayton.org](http://www.cityofclayton.org). Using the pull down menu under "Feedback," click on "Contact Us." Under "Comments," describe the problem and exact location, using names of streets and specify landmarks if applicable.

One of the Trails and Landscaping Committee's outreach priorities is to articulate to the Clayton community how

the new funding and Maintenance Department's efforts have benefited the Landscape District. To that end, the citizen's committee has decided to communicate with the Clayton community on a monthly basis.

Predicated upon the maintenance staff's monthly progress, residents may obtain information from three sources. Readers will find a summary entitled "maintenance update" in the Clayton Pioneer. Some maintenance tasks are actual improvements realized because of Measure B funding. Residents will find a copy of the report, "Round the Yard," posted in the Clayton Community Library lobby. A copy of the report may also be reviewed within each TLC agenda online at [www.ci.clayton.ca.us](http://www.ci.clayton.ca.us). Click on Trails and Landscaping Committee Meeting.

## JUNE MAINTENANCE UPDATE

- All the lawns were mowed twice in the district.
- Public landscaping was trimmed in the following areas:
  - Old Marsh Creek Road from Center Street to Marsh Creek Road.
  - Clayton Road eastbound, from the fire station to Peacock Creek Drive.

## DIABLO PARKWAY.

- Annual weed abatement and district's firebreaks were completed.
- Assessment and repairs were made to the irrigation system.

## MEASURE B IMPROVEMENTS

- Acreated all lawns in the public landscape district.

*Candace Bass is chair of the TLC. The committee is adjourned until Sept. 15. Residents can submit questions to [cityinfo@ci.clayton.ca.us](mailto:cityinfo@ci.clayton.ca.us).*



# *Annual report details TLC's commitment to the community*

**CANDACE BASS**

*Special to the Pioneer*

One of the Trails and Landscaping Committee's key tasks this year was to produce its first annual report.

A seven-page report containing colorful photographs of the city's landscaping was submitted to the City Council for approval at the July 1 meeting. Following committee member Bill Vineyard's presentation, it received unanimous approval from the council.

The report summarizes the committee and district accomplishments for the 2007-'08 fiscal year. It pays tribute to members of the community who gave time and/or resources to the Landscape District during the past year.

The annual report itself is evidence of what can be accomplished when members reach outside their organization to others in the community. In this case, TLC members Candace Bass, David Disend and Vineyard collaborated with former TLC member Linda Pinder.

Pinder's allegiance to the TLC and its projects stems from a combination of factors:

"a strong civic duty," attachment to Clayton's public landscape and daily walks along the trails and sidewalks. This devotion is apparent in the photographs that she takes and shares with the committee for special projects. Pinder took most of the photographs which appear in the annual report.

Residents can obtain a copy of the report and/or copies of attachments by going to [www.ci.clayton.ca.us](http://www.ci.clayton.ca.us). Under City Council, click on Agendas, July 1. Go to 7, Trails and Landscaping Committee Annual Report.

Attachments that follow the seven-page report may be downloaded. These include the 2008-2009 budget, a TLC monthly Pioneer article, the TLC brochure, a copy of the Adopt a Trail Business Survey and the proposed Adopt a Trail program. A copy of the public landscape district map delineates open spaces, the public roadway landscape and Clayton's beautiful trails system. All items but the budget and map were generated by TLC volunteers.

The TLC is open to ideas from individuals and groups who are interested in donating

their time or resources toward projects which might benefit the public landscape district.

## **SUMMER MAINTENANCE UPDATE**

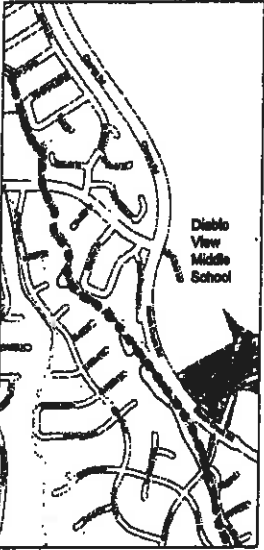
During the hot summer months, the city experiences more irrigation problems than at other times during the year. Residents can help mitigate water waste associated with broken sprinkler heads by responding promptly.

If a resident sees a sprinkler running during the day for more than one hour, they are asked to call the city at 673-7300. Residents are also encouraged to report any type of sprinkler malfunction at [www.ci.clayton.ca.us](http://www.ci.clayton.ca.us). Click Feedback and drop down to the Comment box and describe the sprinkler location, using street names and landmarks if appropriate.

Free reminder cards with instructions are available at the TLC display table in the Clayton Library lobby.

*Candace Bass is chair of the TLC. The committee is adjourned until Sept. 15. Residents may submit questions via email to [city@info.ci.clayton.ca.us](mailto:city@info.ci.clayton.ca.us).*

# City works to improve Mt. Diablo Creek Trail



THE MT. DIABLO CREEK TRAIL WAS repaved between Old Marsh Creek Rd and Regency Dr.

**CANDACE BASS**  
*Special to the Pioneer*

One of the greatest assets to Clayton's landscape district this past year was the significant contribution made by the maintenance staff in the form of a 39-page report entitled "Trails Inventory and Evaluation."

It provides a guideline to build an effective trail management program. The report has been a valuable tool for those who need to make decisions on behalf of the landscape district.

Thus far, the Trails and Landscaping Committee's (TLC) Trails Subcommittee has used it to help develop an Adopt-A-Trail Program and the city maintenance staff used it during their effort to upgrade the Mt. Diablo Creek Trail this

summer (see map at left).

The Mt. Diablo Creek Trail runs from Old Marsh Creek Road to Regency Drive, along the Mt. Diablo Creek. According to the trails inventory and evaluation report, it was in the worst shape of all the asphalt trails within Clayton's trails system. In all, 75 percent of the lower section of the trail was greatly deteriorated.

Because of the extent of the damage, the trail could not be crack sealed or slurry sealed, which is a very thin surface seal. Instead, the existing surface was ground down and compacted and a new 2-inch layer of asphalt was laid. The repaving extended to a portion of the upper Easley Trail.

According to city engineer Rick Angrisani, the cost for the repaving of the trail was cut in

half because it was included with the street paving project this summer.

Mark Janney, the maintenance supervisor, says the new, smoother surface allows for almost any sort of usage. Previously, the trail surface was maintained with an oil and gravel top called "chip seal," which Janney describes as "bumpier."

Since the Aug 1 completion, joggers and walkers have called and emailed City Hall with many compliments about the trail's new surface.

Mike Townsend, whose family uses the trail three to five times per week, described the repaved trail as "super." He would like to see the repaving extend further along the Easley Trail and perhaps along other trails in the system.

However, he is sensitive to the financial limitations of the district. Townsend envisions a community effort to raise money to help improve the trails and would be willing to volunteer for such a project.

"The trail system is fantastic," he reports. "Trails are what make Clayton what it is."

Residents may obtain a copy of the trails inventory and evaluation report at the city Website, [www.ci.clayton.ca.us](http://www.ci.clayton.ca.us). Click on Local Government. Then go to Trails and Landscaping Committee and click on the March agenda.

The TLC invites the public to bring questions and comments to the meetings. The next meeting is scheduled for 7 p.m. Monday, Sept. 15, in the Clayton Community Library Meeting Room. Residents may also email questions to [cityinfo@ci.clayton.ca.us](mailto:cityinfo@ci.clayton.ca.us).

*Candace Bass is chair of the Trails and Landscape Committee.*

# EBRPD's Measure WW could bring needed funds to Clayton's trail system

**TAMARA STEINER**  
*Clayton Pioneer*

The city will pocket almost \$500,000 in grants for improvements and additions to the city's trail system if voters approve the extension of the Regional Open Space, Wildlife, Shoreline and Parks Bond which is on the ballot this November as Measure WW. If the measure passes, it will provide \$500 million to the East Bay Regional Park District for land acquisition and capital projects as well as grants to cities, counties and special districts.

The city's share of Measure

WW funds would be \$492,833 and could be used for erosion control, shoulder repairs and repaving. Clayton's landscape budget allots only \$20,000 for capital improvements to the trail system.

When the original bond measure passed in 1998, Clayton received \$235,491 which was spent on the Keller House and trail improvements.

At the Sept. 2 city council meeting, the EBRPD asked the city of Clayton to adopt a resolution in support of the measure.

Councilmen Dave Shuey and Mayor Gregg Manning both voted in favor of the resolution.

Council members Julie Pierce and Hank Stratford voted against adoption. Bill Walcutt was absent.

Pierce and Stratford doubt whether EBRPD has set aside sufficient money for the operation and maintenance of the additional lands they would acquire if Measure WW passes.

"I have concerns about the vast tracts that are already protected by the Urban Limit Line and are in private hands and are being maintained with private money," said Pierce. "If the park buys these lands, they'll no longer be private and we could end up with a maintenance tax."

Stratford agrees, "The \$492,000 is nice, but the price is high."

Shuey shared some of their concerns, however he voted in favor of supporting the measure. "The \$492,000 is available now...I'm afraid if it doesn't pass, we may not get another chance."

The resolution will come up for approval again at the Oct. 21 meeting. With all five members present, it's expected that the majority will vote to support the measure.

*For more information on Measure WW go to [www.ebparke.org](http://www.ebparke.org).*

## EBRPD Measure WW could mean funds for Clayton trails

If voters pass the East Bay Regional Park District Open Space, Wildlife, Shoreline and Parks Bond extension (Measure WWW) on Nov. 4, Clayton will pocket almost \$500,000 for needed trail improvements.

The measure extends the \$225 bond passed in 1988 without raising property tax rates above the present rate of \$10 per year per \$100K.

Of the \$500 million raised by Measure WW, \$375 million (75 percent) will fund regional park acquisitions and capital projects, with \$26.2 million (7 percent) held in reserve for unanticipated future needs and opportunities.

Proceeds from the bond will go for the acquisition of addition-

al parklands including the development of a new Regional Park at the Concord Naval Weapons Station.

In addition, \$125 million (25 percent) of the proceeds will go to cities, special park and recreation districts, and county service areas for their park and recreation services. Clayton's grant will be \$492,833.

The funds can be used for trail improvements including pavement repair and overlay and for needed erosion control.

The City Council was expected to pass a resolution supporting the bond measure at the Oct. 21 meeting.

For more information on EBRPD go to [www.ebrpd.org](http://www.ebrpd.org).

# City approves TLC Adopt-A-Trail program

TAMARA STEINER  
Clayton Pioneer

Adopt-A-Trail is coming to Clayton. Businesses and community groups will soon have an opportunity to sponsor a segment of one of Clayton's many trails.

Beginning early in 2009, groups can sponsor a trail in two ways—with a \$1000 donation, or with a \$200 donation and a com-

mitment to provide maintenance labor.

When the Landscape Maintenance District was approved in 2007, it provided for a barebones trail maintenance budget. The Adopt-A-Trail program is a way to offset the cost of maintaining and improving the trail system while providing another volunteer opportunity for Claytonians. Annual revenues from the program could poten-

tially top \$12,000.

"I hope we get to the point where we are auctioning off sponsorships," said an enthusiastic Julie Pierce, Clayton's vice-mayor.

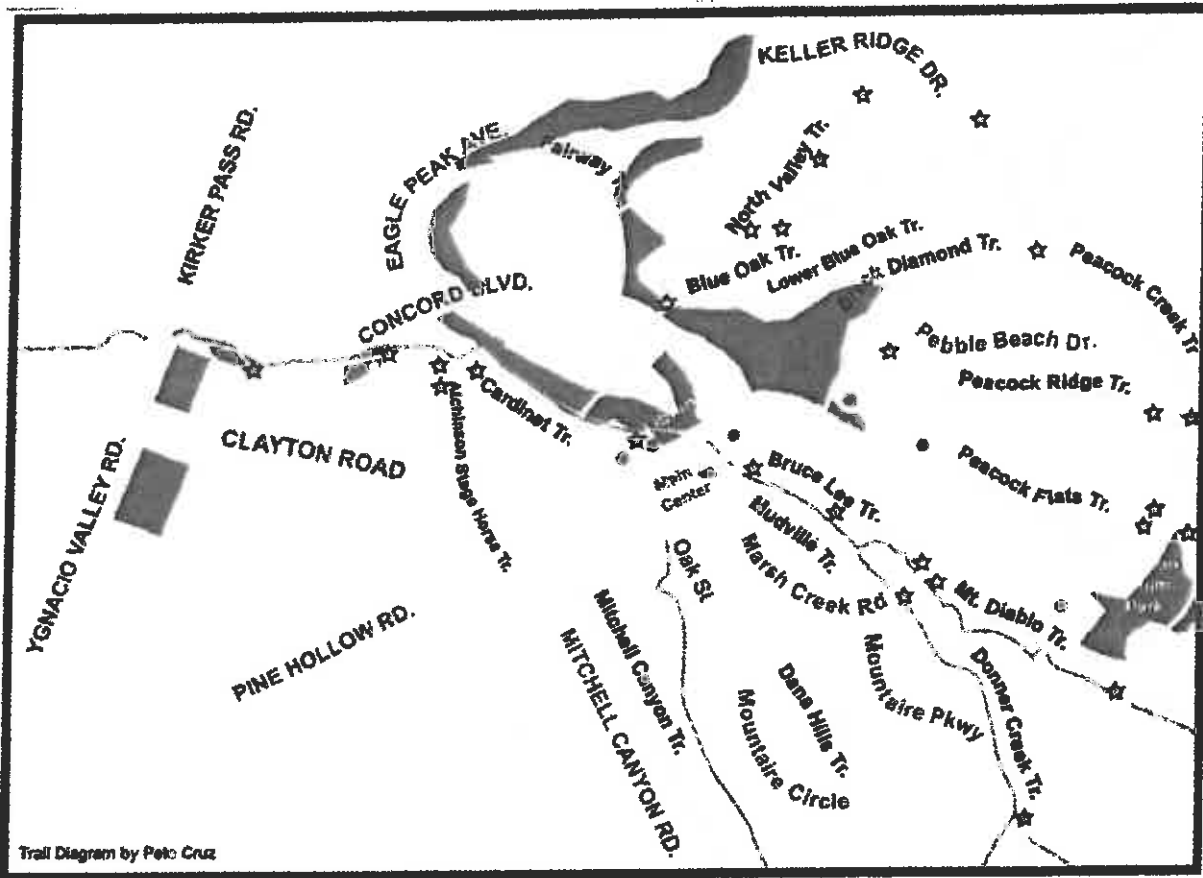
The Trails and Landscape Committee, which oversees the Landscape District budget, is recommending 26 markers at strategic locations along the trails. A marker would include pertinent trail information and the name

and logo of the trail sponsors. Each segment could have two sponsors, one \$1000 contributor and the other providing \$200 and the labor. Both sponsors would be listed on the sign.

First year costs of the program are estimated at \$10,000 and would include the initial investment in the 26 trail markers and t-shirts for sponsoring groups members.



See Trails, page 15



## Trails, from page 1

For more information or to express your interest in becoming an Adopt-A-Trail sponsor, email TLC member, David Disend, dsdisend@gmail.com.

Clayton has long been recognized as one of the most walkable towns in the Bay Area. Within its 4.2 square miles, there are 27 miles of trails. Some are flat and some are hilly. Some are paved and some are dirt. There are trails for walkers, hikers, bikers and horses.

A complete map of all Clayton trails is available at City Hall, 6000 Heritage Trail for \$2.

# TLC salutes Manning/Walcutt for landscape efforts

**CANDACE BASS**  
*Special to the Pioneer*

In December, when our community ushers in two new City Council members, Joe Medrano and Howard Geller, we will simultaneously lose two dedicated council mem-

bers - Mayor Gregg Manning and Councilman Bill Walcutt.

Manning and Walcutt have served a combined total of eight mayoral terms. Manning has been a Clayton resident since 1979 and a council member since 1986. He served as Clayton's mayor in 1992, 1997, 2002 and

2005. Walcutt, a 25-year resident, has served on the council for eight years. He began serving in 1990 and was elected mayor in 1993. However, a job transfer interrupted his first

**See Landscape, page 19**

## Landscape, from page 1

mayoral term. He was elected again in 2000. He served as mayor then and again in 2007.

While serving as council members, Manning and Walcutt played integral roles during the crucial primary years of the Blue Ribbon Committee (BRC) and the Trails and Landscaping Committee (TLC).

In the fall of 2003, the City Council created the Blue Ribbon Ad-Hoc Citizen's Advisory Committee to devise a strategic plan to guide the Landscape Maintenance District (LMD). It was decided that the vice mayor should be assigned to the committee.

In January 2004, the BRC met for the first time. Manning served as the BRC's council liaison. Since then, the vice mayor has served as council liaison to the citizen's committee that oversees the landscape district. One of BRC's missions was to draw up a strategic plan to guide the LMD, which was set

to expire in 2007. Eventually, the group proposed Measure M - which would have created a new LMD with adequate funding for both routine maintenance and capital improvements. However, in November 2005, Measure M was rejected by the voters.

"They over-reached, initially," Manning recalls of the BRC. "The members were great; they were dedicated. The people wanted more, but they didn't like the price."

The BRC disbanded. In its place, the City Council formed a permanent citizen's advisory committee, the Trails and Landscaping Committee. Walcutt, vice mayor at the time, became the TLC's first liaison.

He says the BRC was different from the TLC in a few ways. "Measure M was too confusing and tried to do too much," he notes. "The citizen group was too small and did not have broad-based commu-

nity representation.

"TLC had the benefit of a failed measure," he adds. "It helped (the committee) write the next measure."

Walcutt points out "the concern and dedication" of the TLC members. After Measure M was voted down, many volunteers came back to work on the second committee to come up with the second measure. "I was so impressed by that," he says.

In 2007, Manning served as the second council liaison to the TLC. Ultimately, a compromise Measure B was passed by the voters in 2007, creating a new LMD for 10 years. Financing of the LMD was limited to maintenance only, with no funds for capital improvement projects. A permanent citizen's oversight committee was also established as part of the measure.

Manning sees the BRC as the "trailblazers who devised the method," while the TLC is "the watchdog."

"Motivating members, once you get the goal, is tough," he

adds.

Walcutt believes one of the best things about the TLC was the give and take from the community. "I strongly believe that the more community input, more opinions and more debate that you have and the more differences of opinion, you will come together with a better solution in the long term," he says. "The key at the end of the day is you go out as friends. Don't take it personally."

Manning says that the members of the TLC work together toward a common goal, such as the current trail project.

"It's persistence," he says. "Stay with the process. It's a beginning. The committee and the community need to realize that. The first attack on a project doesn't always work."

*The TLC invites the public to its next meeting, 7 p.m. Dec. 15 in the Library Meeting Room, 6125 Clayton Road. Residents may also submit questions by email to [cityinfo@ci.clayton.ca.us](mailto:cityinfo@ci.clayton.ca.us).*

# TLC calls for residents to help city with recycling

CANDACE BASS

*Special to the Pioneer*

A 32-ounce beer can stuffed inside the branches of a shrub growing along Oakhurst Drive. A half-filled plastic bottle thrown along the curb of Clayton Road. A plastic bag caught on the branches of one of the trees near the library. These are just a few of the numerous and diverse examples of Clayton litter collected by the Trails and Landscape Committee chair one day.

These items, many of which were comprised of recyclable containers, quickly filled two bags after two walks. They made their way to a presentation at a TLC meeting and how public littering impacts our landscape district became a topic of discussion.

"It was depressing," TLC vice chair Victor Geisler recalls of the litter display. "Cleanliness and presentation are aspects of Clayton which set us apart from other surrounding communities. Having garbage collect in visible areas detracts from these ideals."

According to the Keep California Beautiful Website, an aluminum can will take 200-500 years to decompose, while a plastic bag may take 10-20 years to deteriorate. Such materials could be recycled instead of left to rot in our public landscaping or landfill.

At this time of the year, when gift paper and other paper goods are used in abundance, even more garbage accumulates in our homes and cities. Some of it may ultimately wind up in our public landscape.

As a way to prevent ensuing environmental consequences, many communities are encouraging residents to reduce waste over the holidays by limiting the number of wrapped presents. People can accomplish this by giving time or talent gifts, or by giving entertainment gifts — such as tickets to movie theaters or gift certificates. Other ideas include substituting reusable gift bags for wrapping paper or sending seasonal greeting cards made with recyclable paper.

Still others are giving to the greater good by making a contribution to a favorite organization or cause. Some concerned Clayton residents have taken that step by making a donation toward a recycling receptacle to be located at the entrance to the Clayton Community Library.

Joyce Atkinson, president of the Library Foundation, is a self-proclaimed "big recycler." She believes having a recycling receptacle near the library "would be a good idea."

Encouraging residents to develop the habit of depositing bottles and cans into a designated receptacle has several benefits for the community. This will improve the library grounds and

surrounding roadway landscape, where the litter often collects. Additionally, recycling practices saves the city money. Our city is subject to fines if residents do not meet recycling standards imposed by the state.

The receptacle for the library will be similar to four recently ordered by the city with state grant money and destined for the Grove Park (which is not part of the Landscape District).

Each recyclable garbage receptacle is constructed of recyclable plastic and costs \$1,621, with shipping. Thus far, the city has received \$500 in donations. Those who make a sizable donation may arrange to have a plaque on the receptacle.

Linda Pinder is an example of a resident who has donated in this manner in the past, when she donated a receptacle for the grassy knoll behind Diamond Terrace.

Donations are tax deductible and checks may be made out to the City of Clayton. Memo "Recycling Can." Residents may either drop off checks or mail them to City Hall, 6000 Heritage Trail, Clayton, CA 94517.

The next TLC meeting Mar. 16 at 7 p.m. in the Library Meeting Room. Residents may submit questions or comments to [info@ci.clayton.ca.us](mailto:info@ci.clayton.ca.us).

*Candace Bass is chair of the Clayton Trails and Landscape Committee.*

# TLC reaches out to arts community

Members of Clayton's Trails and Landscaping Committee (TLC) have always had a strong appreciation for the natural beauty which permeates much of the landscape district. The district includes the roadway landscape, the open space and the Clayton trails system. In essence, the district is Clayton's canvas.

Embedded in that canvas are many beautiful assets which we can enjoy throughout most of the year: a sunset behind a silhouette of an historic oak tree, a wisp of fog encircling an entrance to the Cardinet Trail, fallen autumn leaves floating along Mt. Diablo Creek or a patch of colorful wildflowers that has sprung up in one of the open spaces.

This is Clayton's wallpaper. These images beckon us and set us apart from our other urban neighbors.

There are many Websites



**CANDACE BASS  
TRAILS AND  
LANDSCAPE**

that showcase scenic photos of nature. However, Clayton residents are fortunate to experience beautiful scenery by turning to our backyards, neighborhood trails or open space. We can enjoy the beauty which many of us work to preserve beauty which is unique to Clayton.

One of the TLC's latest projects is to impart an appreciation for these resources and to raise local awareness of the

landscape district by enlisting the help of the art community. The committee hopes the partnership will be initiated with a TLC display in the library.

JoAnn Caspar, outreach subcommittee member, believes that adding artwork to the display would give newcomers and visitors a visual impression of what Clayton has to offer.

"It would advertise how beautiful the city is," she says. "It could possibly attract people to town. It might even encourage them to eventually shop here one day."

Arlene Kikkawa-Nielsen, director of the Creekside Artists Guild, is supportive of local artists and photographers who might consider contributing their talents to a TLC project. "Visual arts allows for more creative expression," she notes. "Nature inspires us to do many things. The nature along our trails can be the cre-

ative inspiration behind many expressions, including traditional art and photography as well as the written word and the exploration of science."

She believes the success of the venture will be created by those who "actively share their passions to nurture its growth."

Residents 18 and older who have photographs, renderings or other artwork of the public roadway landscape, open space or the Clayton trails system are invited to submit samples of their work. Initially, artwork will be used to enhance the information displayed in the library lobby. For more information, contact Candace Bass at [c\\_e\\_bass@yahoo.com](mailto:c_e_bass@yahoo.com).

The next TLC meeting will be 7 p.m. March 16 at the library, 6125 Clayton Road.

*Candace Bass is the chairperson of the City's Trails and Landscape Committee. Please send comments to [c\\_e\\_bass@yahoo.com](mailto:c_e_bass@yahoo.com).*



# Clayton's most popular trail named after open space advocate, George Cardinet, Jr.

The designation of the Cardinet Trail in 1996 was Clayton's way of honoring a beloved local resident and long-time advocate of public open space and trails throughout the East Bay region, George Cardinet, Jr.

The Cardinet Trail is one of the most heavily used trails within the Clayton trail system. The trail runs along the creek between the library and Safeway and is where the city's long-awaited Adopt a Trail program will be launched.

Born in 1909, Cardinet grew up in San Francisco but moved to Concord in 1940. He developed countless trails throughout the East Bay and in Mt Diablo State Park. He founded many organizations – the American Trails, the East Bay Trails Council, the Tahoe Rim Trail Fund and American Trails Network.

Cardinet mapped out 200 miles of trails in California.

According to the Partnership for the National Trails System, he became known as "the father of California trails and the patriarch of America's national trail system."

Bob Hoyer, who served as Clayton's mayor 1964-'66 and 1970-'71, recalls that the city hired David Wittet, a "land planner," in the early '60s and '70s. Wittet advised the city that if Clayton wanted to establish a trails system, it would be in their best interest to begin right then. Wittet also insisted that the housing developer at that time install trails. According to Hoyer, Cardinet supported that effort.

Cardinet was also an accomplished equestrian. He advocated the use of horses in the backcountry of Yosemite National Park.

"I remember he came to many of the parades in town on horseback," Hoyer fondly recalls.

Cardinet lived to the age of 97. Clayton residents can reap

the benefits of his hard work and love of the outdoors by beginning the trail at the southeast corner of the Clayton Community Library. There, proceed north along Mt. Diablo Creek behind the library and continue toward the Keller ranch house property. Crossing over footbridges and passing many historic oak and elm trees, the trail continues through Diablo open space, Lydia Lane Park and West Wood – where it ends behind the Safeway. Some folks refer to this as "the trail to Safeway."

Many joggers, walkers and hikers use the Cardinet Trail regularly. "Gloria and I use the Cardinet Trail about four to five times a week," says Jerry Kosel, vice chair of the Trails and Landscaping Committee (TLC). "It gives us a pleasant walking experience and easy access to downtown. Sometimes, we like to go downtown and not have to take our car. There are big old



**CANDACE BASS  
TRAILS AND  
LANDSCAPE**

trees along the way, and it's natural and beautiful."

A copy of the Clayton trail system map is available for \$2 at City Hall. Residents may view the city's Trails Inventory and Evaluation report at [www.ci.clayton.ca.us](http://www.ci.clayton.ca.us) at Trails and Landscaping Committee March Agenda Packets.

*The next TLC meeting is 7 p.m. Mon., Mar. 16. Residents can submit questions to [cityinfo@ci.clayton.ca.us](mailto:cityinfo@ci.clayton.ca.us).*

# Residents can pitch in to keep trails maintained



**CANDACE BASS  
TRAILS AND  
LANDSCAPE**

Californians have a long tradition of developing and benefiting from various trails. During the 1800s, the Pony Express, a mail route, was established between St. Joseph, Mo., and San Francisco. This was possible because of an established trails system.

Clayton's trails system, which consists of 27 miles of trails, has its basic maintenance funded by the Landscape Maintenance District (LMD) - known as Measure B. This large trail network is comprised of three differ-

ent types: asphalt (mostly 3-4 feet wide along the flat portions of the creeks), crushed gravel (usually 2-3 feet wide) and dirt trails, also known as "natural trails" (generally 1-2 feet across). Some dirt trails are wider and serve as fire breaks in large open space areas.

Measure B provided the trails (and roadway landscaping) with some funding for basic maintenance needs for 10 years. For the trails, this means mostly weed abatement for fire control purposes, two times annually as funding permits along the major paved trail.

Additional aesthetic desires that are not safety related, such as litter pickup, minor trail repairs and minor trimming, are beyond what Measure B provides but can also improve the Clayton trails system.

In addition to trail maintenance duties, the five-member city maintenance staff faces vast other duties such as attending roadway landscaping to park

maintenance, minor street and street light maintenance and city building and grounds maintenance. According to maintenance supervisor Mark Janney, "identifying and responding to non-safety items along the trails is beyond the funds available with Measure B."

The Trails and Landscaping Committee (TLC) developed a program to help fill the void. "There are a variety of tasks, ranging from minor trimming, weeding, litter control, to minor repairing in the trails' surfaces, that the public could help volunteer to assist with," notes committee member David Disend.

He helped develop the Adopt-A-Trail program which encourages individuals, businesses and organizations to sponsor trail segments. Since the program's launch a couple of months ago, scouts, businesses and families have stepped forward to adopt four of the 11 trail segments.

Other residents have respond-

ed, as well. Barbara and Ron Jacobs are regular Cardinet Trail walkers. They carry plastic bags and collect litter along the trail two or three times per week.

"The Adopt-A-Trail program is a great idea," Barbara says. "If some group or person can take responsibility for a trail by picking up litter for instance, children will learn how to take better care of their environment."

"When people do something good," she adds, "it makes them feel good about themselves and the community they live in."

*For more information on the Adopt-A-Trail program, call 673-7369. Clayton trail maps can be purchased at City Hall for \$2. The next TLC meeting is 7 p.m. Monday, May 18, at Hoyer Hall.*

*Submit questions or comments to [cityinfo@ci.clayton.ca.us](mailto:cityinfo@ci.clayton.ca.us).*

*Candace Bass is a member of the City's Trails and Landscape Committee. Please send comments to [c\\_e\\_bass@yahoo.com](mailto:c_e_bass@yahoo.com).*

## City needs to cut landscape water 45 percent

TAMARA STEINER  
Clayton Pioneer

Starting May 1, the city must cut its landscape water use by 45 percent to comply with Contra Costa Water District's mandatory rationing. In a report to the City Council on May 5, maintenance supervisor Mark Janney outlined how the city plans to make the cuts.

"We're looking at policy and strategy," he explained. "We plan to pool all of the city's water and allocate to the highest priority areas." The newer landscaping along Marsh Creek Road and Oakhurst Boulevard will take priority over lawns that can be more easily replaced.

Trimming and pruning, which encourages growth, will be cut back to meet safety standards. Most of the trees and shrubs that are well-established "may not look too good," Janney said, "but they'll survive."

Meeting the stiff requirements will mean letting much of the city's median plantings and ground covers die back in order to save the turf in The Grove and on the playing fields, says City Manager Gary Napper.

The loss of the median shrubs is not terrible. These manzanita-like plants have reached the end of a lifespan that began in poor soil, Napper explains.

See Landscape, page 18

## Landscape, from page 1

Plants will be pulled out as they die, "so it doesn't look like a desert out there," Janney said.

Last year, the Landscape Maintenance District spent \$169,000 for water. If use is cut by the required 45 percent for the next 12 months, it could save the district as much as \$76,000, less the cost of replacing dead or damaged plants.

### WELL WATER AN OPTION

While the lawns in the city parks that use metered water will die, Westwood and Lydia Lane parks and the library grounds are irrigated by well water and should be unaffected by the cutbacks.

Dan Richardson, who led the successful effort to renew the city's Landscape Maintenance District in 2007, wants the city to look at more wells as water source.

"I'm disappointed we find ourselves in this situation and I appreciate the city's leadership. But, I hope that, as a community, we can look at wells as an alternative to metered water in the future, he said.

Well water irrigation may be a solution to future water shortages, but not in the short term, says Napper. The cost of drilling and hooking into the existing mains makes it prohibitive for a city with a budget the size of Clayton's.

### GATEWAY RENOVATIONS

In other business, the council moved ahead with Redevelopment Agency plans for the renovation of the city's gateway at Marsh Creek and Clayton Roads, awarding a contract for \$199,167 to Maxicrete Inc. for the hardscape. Project plans include a stone-faced monument sign on the hill and directional signage at the corner.

A vintage tractor at the gateway and another in the Corral at Black Diamond Plaza will honor Clayton's agricultural heritage. The Clayton Business and Community Association has pledged \$60,000 for landscaping and \$12,000 for the tractors. Any plantings will have to wait until after rationing is lifted.

The total budget for the project is estimated at \$320,000.

There is an unused well behind the post office, but the cost of bringing it online is "well into the six figures," says Napper. "And the gallon-per-minute yield just doesn't warrant the cost."

In addition to the irrigation cuts, the city must reduce building and facilities usage by 15 percent. Since the city has already been using water saving devices such as low-flow toilets and auto shut off faucets, cutting another 15 percent will largely depend on cooperation from the public.

After posting signs in public buildings asking for conservation, if the goals aren't being met, the city may be forced to shut off faucets. Or "as a final drastic measure," Janney said, "close the public restrooms."

# Beware of rattlesnakes on the trails

CANDACE BASS

*Special to the Pioneer*

Hundreds of years ago, our country was an immense open space. Over time, urbanization required us to redefine our spaces.

Today, public open space has become more than a mere term it's an important asset to our communities. Clayton's Landscape District contains 515 acres of open space.

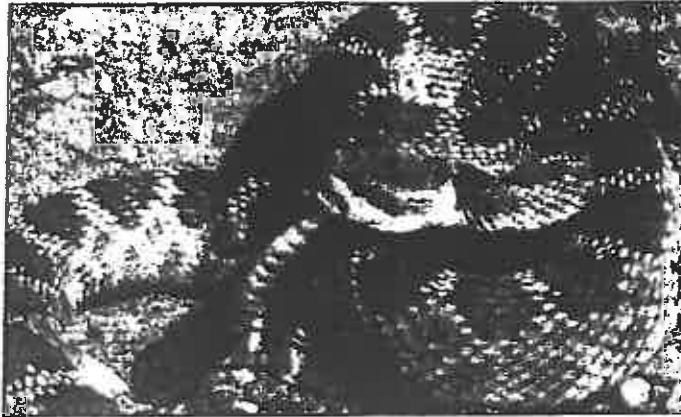
While we continually demarcate living spaces, many of our creatures have survived the impositions which urbanization has placed upon them. During Colonial times, early settlers complained to Capt. John Smith and others that they had seen serpents with rattles inside their tails. Descendants of the rattlesnakes that perplexed the early colonists challenge communities like Clayton to this day.

Spring is widely known as rattlesnake season. Female snakes retain their eggs inside their bodies. Once they are laid, eggs hatch, launching young, independent snakes. Subsequently, their mothers desert them.

Rattlesnakes are poisonous and have flat, triangular heads, elliptical eyes and rattle buttons at the end of their tails. Gopher snakes, frequently confused with rattlers, have rounded heads, rounded eyes and are not poisonous.

The infamous rattle sound indicates the snake is agitated and may strike. The rattle is a series of hollow beads consisting of modified scales. Beads run along the tail's tip. The first bead is called a button. If the rattle absorbs enough moisture, the snake is able to strike without a rattle.

According to the University of California Rattlesnake



U.S. Fish and Wildlife Service

**THE NORTHERN PACIFIC RATTLESNAKE, California's only venomous snake, can be seen throughout Northern California and in the Coastal range of Orange County.**

Management Guidelines, "Most bites occur when inexperienced people try to pick up or move a snake."

About 8,000 Americans, including 4,000 children, are bitten by poisonous snakes each year. Of all snakes, rattlers are the most deadly. Baby rattlers are the most venomous.

If you or someone you know is bitten, call 911. Victims should remain calm, minimize movement and keep the bitten area lower than the heart, if possible.

If a resident discovers a rattlesnake on their property, contact the Clayton Police. According to Chief Dan Lawrence, "An officer will respond if a rattlesnake is involved." The Clayton Police Department can evaluate the situation and determine whether to refer it to Animal Control.

Here are some safety tips for trails and open spaces:

Be in tune to your surroundings and note that snakes blend into theirs. Be aware of tall grasses, shady hangouts like ledges and underneath rocks and logs.

Wear socks, closed-toe

shoes/hiking boots and long pants.

Look carefully before reaching or sitting down.

Keep your distance from snakes. Allow them room to retreat.

Don't poke snakes dens or burrows with sticks.

Keep pets leashed at all times

within Clayton city limits. Leashing pets may prevent them from provoking a snake.

Safety is also important around your home:

Survey moist, cool shelters in hot weather such as fishponds, spas and shady porches.

Keep the rodent population under control to discourage snakes.

Seal cracks and openings greater than a quarter inch to prevent snakes from entering.

Avoid dead rattlers which can inject venom for one hour or longer by reflex action.

Remember, we share our open space and trails with many creatures. By being aware of our surroundings and using common sense, we can share them safely.

For more information about rattlesnakes, go to [www.ipm.ucdavis.edu/PMG/PEST-NOTES](http://www.ipm.ucdavis.edu/PMG/PEST-NOTES) and click on rattlesnakes. Submit questions or comments to [cityinfo@ci.clayton.ca.us](mailto:cityinfo@ci.clayton.ca.us).

# City hopeful that new signage will spark more downtown shopping, dining



Torara Steiner/Clayton Pioneer

**NEW GATEWAY SIGNAGE** is part of the Redevelopment Agency's long range plan for the revitalization of the Town Center.

New signs directing visitors to Clayton's Town Center were placed at the city's two entrances last week. The signs, one at the Oak Street off-ramp and the other at the city's new gateway at Clayton and Marsh Creek Roads, are part of the city's ongoing downtown revitalization plan. It is hoped that the signs will drive passing traffic downtown for dining and shopping.

"Instead of just flying by town at 40 mph, people will now know there's 'there' there and hopefully come into town to grab a bite to eat or do some shopping," said local real estate

broker and former mayor Eric Laurence. "The signs look great."

The gateway project, also known as "Daffodil Hill" is a joint effort between the Clayton Redevelopment Agency and the CBA and includes a new monument sign at the top of the hill. The hardscape will be completed by mid to late September.

Irrigation for the hill will come from the well at the library across the street.

The landscape design is still a work in progress and will include drought tolerant shrubs as well as some colorful ornamental planting.

*From the Clayton Pioneer, Sept. 11, 2009*

# Claytonians show civic pride through trail volunteer efforts

As of August 2004,  
Clayton Trails

Clayton's trail system has  
benefited the city on any number

of "great places to live" lists.

As the last of 1998, Clayton received *Walking magazine's* award as one of the five most walkable small cities in

America. And one in the last three years, Mayor Monique Joked Clayton is one of 100 places to live, joining the 27-mile trail system among the

sixty other cities.

So it was no surprise that when the Trails and Land Use Maintenance Committee (TLU) got the city rolling for "adoption," there were no shortage of volunteers. The Adopt-A-Trail program has generated both financial support and volunteer families and individuals, scout troops, local businesses and civic organizations have stepped up to the plate to adopt segments of Clayton trails.

For Boy Scout Troops 402 and 402, Girl Scout Troop 429 and other Adopt-A-Trail service users beyond doing a good deed, it develops a good habit that they hope will help them in their adult life.

"We keep the trail free from litter and animal debris," said Pauline, the 15-year-old court in charge for Troop 402 and service patrol leader.

"I run these trails for my own country in Clayton Valley," he added. "Some trails have trees, rocks, bushes and stumps."

The groups adopted the Donner Trail that extends from Eugene Drive to downtown Clayton. As for trash, he noted, "this trail is no so bad."

According to Pauline, the Clayton trails are heavily used. "I don't think I've ever gone for a run without seeing someone else," he reported.

## A FAMILY AFFAIR

Under the Adopt-A-Trail program set in place earlier this year, each trail can have two adopters - one financial and one for clean up efforts. TLU member David Discend, the trails are divided into 11 segments, each including both financial and clean up support.

The Pauline family of Clayton filed their name by being the first to step up for the program. They sponsor the Donner Valley trail, the Carleton Trail, which runs from

See Adopt-A-Trail, page 6



Andre Gensburger/Clayton Pioneer

MONIKA MAYTUM, LEFT, WITH SCOUTS NICK SWIATKO, Ted Hall and Anthony Maytum clear debris on the Donner Trail as part of their service to Clayton's Adopt-A-Trail program.

## Adopt-A-Trail, from page 1

the Clayton Library to Lydia Lane Park, crossing three bridges.

"It was obviously to give back to the community," said Jake Pauline, whose company Black Diamond Electric provides the financial sponsorship.

"The trail is always pretty clean," said his wife Cristina, who runs on the trails. She attributes this to the strong sense of civic pride from Clayton residents living near the trail.

"Our lovely trail system and our community's volunteer spirit are among the major reasons our town was chosen as one of the best places to live in the nation," said Mayor Julie Pierre.

The trail program is augmented by Measure B funds, with the goal of providing a venue for volunteers to help Clayton maintain and enhance the popular trails. The annual fee to participate as a financial sponsor is \$1,000. For clean-up adopters, it's \$200. Markers are installed at each trail segment with the names of both the financial sponsor and the clean-up volunteers.

"In this age when cities have had to cut back services, one of

the ways for residents to give back is through volunteer efforts," Jake said. "These trails are a huge bonus for Clayton."

"If everyone can stretch out a bit," Cristina added, "we can keep the community looking beautiful. That's a great attitude to have."

Jake grew up in Clayton and his parents still live here. He and Cristina bought their home in Clayton a few years ago.

"We also get repaid in better property values," Jake said of community service. "And we teach our children the value in giving back to the community. Clayton is a great place to live. People choose to live in Clayton."

## THE PRIDE OF VOLUNTEERING

Nick Swiatko of Troop 262 has been a scout for 2½ years, since moving to Clayton from San Leandro. "My friends got me into it," said the 16-year-old, who enjoys the hiking and camping activities as well as pitching in on the trail.

"Leaving the debris is bad for the environment," he said, "because it makes walking difficult and poses a fire hazard."



Andre Gensburger/Clayton Pioneer

THE PAULINE FAMILY, Johnny, Julia, Cristina, Jake and Analisa were the first to adopt a Clayton trail.

So far the trail maintenance has not taken them a lot of time, but Hall believes that is because they are at the start of the program and still organizing what needs to be done.

Anthony Maytum, 11, and his mother Monika are also part of Troop 484. Monika wanted her son to understand how lucky he is to be living in a place like this.

"I hope he will teach it to his kids as well one day," she said. "We have to give back to the community."

"The Adopt-a-Trail program fosters civic pride through vol-

unteerism, philanthropy and cleanliness," said Discend.

"It's not all about the merit badge," Swiatko said. "It is about giving back to the community."

Other Adopt-A-Trail participants include CD Federal Credit Union, the Clayton Business and Community Association, Girl Scout Troops 429 and 31895, Kinder Care and Jodi Waldron.

Both financial sponsors and clean-up groups are needed. To adopt a Clayton trail, call 673-7369.

# City's Trails and Landscaping Committee reports on progress

**CANDACE BASS**  
*Special to the Pioneer*

Although a Trails and Landscaping Committee (TLC) has been an integral part of the community since 2004, some confusion remains about the committee's responsibilities and parameters. Occasionally, questions arise regarding TLC's relationship with city staff and the City Council.

TLC evolved from the citizens' Blue Ribbon Committee, which the City Council created 4½ years ago. Volunteer members are appointed by the City Council and serve in an advisory capacity. Recommendations are submitted to the City Council, with the council ultimately making decisions on behalf of the public Landscaping Maintenance District (LMD).

Replaced in 2007 and funded by passage of Measure B, the LMD includes public roadway landscape, open space and the trails system. The LMD excludes city parks; the city maintenance staff cares for the parks with general fund money.

The new downtown park, the Grove, is funded separately through Measure O and is not overseen by the TLC or included in the LMD.

The frequency and scope of many LMD tasks have been made possible because of the replaced funding of Measure B. Recently, a 69-page "Clayton Trails Inventory and Evaluation" report was compiled by the maintenance staff.

The semi-annual trimming effort of overgrown landscaping is another example of the key accomplishments in the TLC's initial year of oversight.

One of TLC's outreach priorities is to articulate to the Clayton community how the new funding and Maintenance Department's efforts have benefited the LMD. To that end, the committee has decided to communicate with the Clayton community on a monthly basis.

Predicated upon the maintenance staff's monthly progress, residents may now obtain information from three sources. In the Clayton Pioneer, readers will find a summary in a trails and landscape report entitled "Maintenance Update." Residents will find a copy of a more detailed report posted in the Clayton Community Library lobby. A copy of the report may also be reviewed inside each TLC agenda online at [www.ci.clayton.ca.us](http://www.ci.clayton.ca.us). Click on Trails and Landscaping Committee Meeting.

#### **MAY MAINTENANCE UPDATE**

- All the lawns were mowed in the district.
- Public landscaping was trimmed in the following areas:
  - Clayton Road from the city limits to Mitchell Canyon Road, eastbound.
  - Peacock Creek Drive, westbound and along the median.
  - The downtown area, including Old Marsh Creek, Main,

Center and Oak streets.

- The weed abatement program was initiated for the district, beginning with the Peacock Creek development.
- Spot spray was applied to the entire district.
- Fourteen Columbia sycamore trees were planted in the median between Mitchell Canyon Road and Atchinson Stage Road. Funding was made possible by the Yes for Clayton Landscape Maintenance P.A.C. and the Jeffrey Ranch Civic Association.
- Soil was amended near the Clayton Fountain and at the Peacock Creek entrance.
- Annuals were then planted at those locations and in the planters downtown.
- Grape myrtle near the Clayton Fountain was replaced with star jasmine.

Thanks to Measure B, the TLC has evolved into a direct citizens' oversight committee of the district for the next 10 years. The committee is chaired by Candace Bass. Other members are vice chair Victor Geisler, JoAnn Caspar, David Disend, David Johnson, Jerry Kosel, Kelly Marshall, Virginia Siegel and Bill Vineyard.

The committee invites the public to bring questions and comments to meetings. The next TLC meeting is 7 p.m. Mon., June 16, in the Clayton Community Library Meeting Room. Residents may also email questions to [cityinfo@ci.clayton.ca.us](mailto:cityinfo@ci.clayton.ca.us).

Agenda Date: 3/25/13

Agenda Item: 8(a)

City of Clayton  
Landscape Mtn District CFD 2007-1 Fund 210  
Adopted Budget 2012/13

Account Number	Account Name	2010-11 Actual 6/30/2011	2011-12 Adopted Budget	2011-12 Actual 5/16/2012	2011-12 Projected 6/30/2012	2011-12 Actual 6/30/2012	2012-13 Adopted Budget	Dec 31, 2012 2012-13 Mid Year
7111	Salaries/Regular	192,066	162,632	149,019	162,632	174,096	162,632	81,877
7112	Temporary Help	67,947	94,150	81,196	94,150	91,799	94,150	39,498
7113	Overtime							67
7218	LTD Insurance	1,192	1,057	844	955	1,017	1,138	556
7220	PERS Retirement	39,157	35,592	27,666	35,592	35,847	36,868	17,228
7231	Workers Comp Insurance	5,627	2,679	78	2,679	61	9,966	10,194
7232	Unemployment Insurance	4,960	6,999	-	6,999	5,938	5,449	2,685
7233	FICA and Medicare	8,823	9,561	7,355	9,561	8,178	9,561	2,437
7246	Benefit Insurance	37,021	31,175	29,170	31,175	34,012	31,175	13,288
7311	General Supplies	33,441	40,000	28,207	40,000	32,000	43,000	12,001
7316	Landscape Replacement Material	-	20,000	-	20,000	1,063	20,000	2,407
7327	Park & Street Supplies	-	-	-	-	395	-	-
7335	Gas & Electric Serv.	25,525	29,000	18,823	24,000	25,751	25,000	11,013
7338	Water Service	127,291	180,000	88,073	180,000	109,620	180,000	149,719
7342	Machinery/ Equip Maint.	14,607	9,000	7,471	9,000	9,619	9,500	6,122
7343	Vehicle Maintenance	8,331	8,334	12,484	12,484	12,328	12,000	2,399
7344	Vehicle Gas, Oil, and Supplies	12,140	9,000	9,181	10,000	14,026	10,500	3,915
7381	Property Tax Admin Cost	3,737	3,737	3,548	3,737	3,734	3,737	2,054
7389	Misc. Expenses	-	-	-	-	-	-	80
7411	Prof. Services Retainer	-	-	-	-	1,423	-	-
7412	Engineering Inspection	1,425	-	1,423	1,423	-	-	-
7419	Other Prof. Services	105,687	141,181	61,834	141,357	116,269	156,555	43,765
7486	CERF Charges/Depreciation	12,936	13,500	13,500	13,500	13,500	13,500	13,500
7520	Project <del>Construction</del> costs - <i>Replacement Replant</i>	277,702	355,302	27,837	476,111	257,196	-	<i>368,601</i>
7615	Property Taxes	2,332	2,370	2,398	2,398	2,398	2,398	2,447
8101	Transfer to General Fund	29,918	30,756	23,067	30,756	30,756	31,402	15,701
8111	Transfer to CIP Fund	-	50,000	-	50,000	50,000	-	368,601
	<b>Total Expenses</b>	<b>1,011,865</b>	<b>1,236,025</b>	<b>593,172</b>	<b>1,358,508</b>	<b>1,031,025</b>	<b>858,531</b>	<b>801,555</b>
4604	Clayton LMD Assessment	910,571	936,054	889,058	936,054	935,850	955,711	525,087
5601	Interest	18,712	5,000	7,656	8,000	16,556	5,000	5,283
5701	Reimbursement from CBCA	-	-	-	-	-	-	23,750
5790	Other Revenue	-	-	-	-	693	-	-
5606	Unrealized Inv Gain/Loss	(5,000)	-	-	-	-	-	-
	<b>Total Revenue</b>	<b>924,283</b>	<b>941,054</b>	<b>896,714</b>	<b>944,054</b>	<b>953,099</b>	<b>960,711</b>	<b>554,120</b>
	<b>Annual Balance (Shortfall)</b>	<b>(87,582)</b>	<b>(294,971)</b>	<b>303,542</b>	<b>(414,454)</b>	<b>(77,926)</b>	<b>102,180</b>	<b>(247,435)</b>
	<b>Beginning Fund Balance</b>	<b>617,163</b>	<b>529,581</b>	<b>529,581</b>	<b>833,123</b>	<b>535,556</b>	<b>507,630</b>	<b>457,630</b>
	<b>Ending Fund Balance</b>	<b>529,581</b>	<b>234,610</b>	<b>833,123</b>	<b>418,669</b>	<b>457,630</b>	<b>609,810</b>	<b>210,195</b>



**B. Citywide Landscape Maintenance District – Fund No. 210**

In June 2007, Clayton voters approved a replacement real property special tax to continue funding the operation and maintenance of their citywide public landscaped areas. This annual tax is restricted to costs associated with: arterial and specified roadway medians and parkways, the trails system, the annual open space noxious weed abatement in Oakhurst hills, the annual open space and trails weed abatement for fire and public safety, landscape and turf irrigation and the monthly maintenance and special occasion operation of the "Clayton Fountain".

Maintenance of City Parks is not included as an authorized expense under the District's Act; park maintenance obligations fall to the City's General Fund. Citywide public landscaping services have always been funded by a special revenue tax levied on private properties throughout the City. The District is completing its 5th year of a 10-year approved operation (Measure B), and its citizens' oversight committee (Trails and Landscaping Committee, or TLC) meets periodically to ensure the promised maintenance standards and efficiencies are achieved with these special-purpose tax revenues.

Pursuant to the terms of voter-approved Measure B, the special tax rate may be modified annually by the change in the Consumer Price Index (CPI; San Francisco – Bay Area) from April to April. In no event shall the tax rate be increased by more than 3% each year. The CPI change (from April 2011 to April 2012) posted at 2.1%. The District's revenue projection has been increased by that factor accordingly and is set at a total of \$955,711 for FY 2012-13, an annual increase of \$19,657. Adding the interest earnings of \$5,000 pushes the total revenue budget to \$960,711. Pursuant to its oversight charge, the citizens' TLC considered the CPI change and the District's budget at its meeting on May 21st and adopted a motion to recommend the City Council implement the 2.1% CPI annual rate adjustment.

The Landscape Maintenance District has aggressively been installing improvements to the City's roadway landscaping over the course of the past two (2) years. An accounting of the District's activities and improvements is listed below, which included appropriations from the District's reserves in May 2010 (\$260,000) and more recently to fund the Clayton Road Median Project, complete the beautification of Daffodil Hill, and install plants in the terraced walls west of the CVS Pharmacy:

a. Oakhurst Drive decorative pavers in narrow medians plus plants (done)	\$ 70,000
b. Tree replacements on Keller Ridge Drive (partially complete)	\$ 16,600
c. Deferred Tree Trimming (done)	\$ 20,000
d. Clayton Fountain renovation and replanting project (done)	\$ 70,000
e. Restore plants: Oakhurst Dr., old Marsh Creek Rd., Clayton Rd. (partial)	\$ 45,000
f. Marsh Creek Circle replanting/headlight glare mitigation (done)	\$ 19,400
g. Replant Jeffry Ranch Court island (not done yet)	\$ 2,500
h. Clayton Road Median Re-Landscaping Project (under progress)	\$263,072
i. Completion of Daffodil Hill Beautification Project (under progress)	\$ 22,250
j. CVS Terrace Retaining Wall Landscaping (under progress)	\$ 27,640
k. Trail Resurfacing, remainder of Bruce Lee Trail (with Street Project)	\$ 50,000
l. Master Remote Computer Controller for all Irrigation Systems (not yet)	\$ 30,000
m. Trail Crack-Sealing and Minor Repairs (with Street Project)	\$ 10,000
n. Tree Replacement and Trimming (in progress)	<u>\$ 10,000</u>
Total:	\$656,462

The installation and commencement of these significant landscape restoration and District improvement projects illustrate the success of the District in managing the voter's preference for a "pay-as-you-go" ballot tax measure. The defeated Measure "O" (2005) would have issued a revenue bond in its initial year to attack the public improvements sooner but conservative Clayton voters disliked the higher annual assessment and the bonded indebtedness of the District. Entering the District's 6th year of operation has allowed the accumulation of reserves to accomplish many of the same objectives, just slightly later than some might have wished.

Noteworthy expenses of the District include its annual weed abatement Citywide (\$35,000 before the fire season), and a huge expense of \$53,416 to abate noxious and exotic weeds in the Oakhurst Hills (a condition of project approval for the Oakhurst residential development). Metered water service is left at its historical expense of \$180,000 per year yet it can fluctuate wildly depending on seasonal climates and strange weather patterns. However, as landscaping improvements are installed they are accompanied by irrigation system upgrades and efficiencies in irrigation, which temper this expense allocation and cause operational savings.

Personnel services for this labor-intensive work accounts for 40% of the District's budget this year (\$350,939), up 10% from last year's portion of 30% caused by increases in employee pension system rates, workers' compensation rates, and the amount of time the crews spend on District tasks. Whenever possible, tasks within the

District are assigned to temporary seasonal personnel that are less expensive labor (e.g. trimming), which shifts the permanent City Maintenance personnel (5) to activities requiring journeyman-level experiences (e.g. irrigation line and system repairs).

As approved by Measure "B" voters, the District's budget includes an annual expense of \$20,000 (Account 7316) for the purchase of replacement plants. The District also contributes its annual allocation of \$13,500 to the City's Capital Equipment Replacement Fund (CERF), from which Maintenance vehicles and equipment are purchased for use in maintaining the Landscape District. An expense of \$31,402 (3.6% of annual District revenue) is transferred to the City's General Fund to pay for administration and overhead activities of the City (e.g. telephones; payroll processing; accounts receivable and payable; District direction) attributable to the District's annual operations.

Consistent with the District's stated mission to maintain and improve the Landscape District, it is recommended we continue our aggressive program to further enhance the appearance and sustainability of the District's plants and landscaping. Given the magnitude of previously-assigned landscape improvement projects and tasks noted above that remain incomplete, no monies from the District are proposed for transfer this year to the City's Capital Improvement Project Budget. This fact should not be misconstrued that no additional projects or improvement ideas for the District are forthcoming; rather, it is a tacit admission the District needs to finish previously-prioritized projects before undertaking new improvements.

With all of these actions, the District's ending fund balance on 30 June 2013 will still be a healthy \$217,307, which equates to a reserve of 23% of its annual tax revenue. The reserve status is confirmation the City does not siphon "surplus" monies of the District into its General Fund but uses the special tax revenues for its intended purposes.