

History of the Groves Golf and Country Orange Trees

Nov 25, 1997 Florida Dream purchased our community for \$2,458,000 from J.W. Conner of Conner Land LTD and Trittech Recycling Inc.

The purchase included 50 acres of well developed Orange Groves dating from 1988.

1997 Weather Issues affecting orange trees Developer controlled

January 29 1997 Record low temperature 17 degree **major frost damage**

January 18 1997 Record low temperature 19 degree **major frost damage**

1999 Weather Issues affecting orange trees Developer controlled

January 6, 1999 Record low temperature 24 degree **major frost damage**

Aug 22, 2000 Florida Dream started construction of the Clubhouse via Conner Inc.

Nov 1 2000 Golf Course and Home construction started.

- a. Out of 10,000 Orange trees the developer left about five hundred trees.
- b. Half of the 500 Orange trees were left in place while the other half were dug up and replanted throughout the community causing stress

Year 2000-2004 **No contract landscaping information but believe Florida Garden was the contractor for the Developer**

2000 Weather Issues affecting orange trees Developer controlled

January 27, 2000 Record low temp 23 degree **major frost damage**

2001 Weather Issues affecting orange trees Developer controlled

January 1, 2001 Record low temp 21 degree **major frost damage**

January 4, 2001 Record low temp 24 degree **major frost damage**

January 5, 2001 Record low temp 18 degree **major frost damage**

January 7, 2001 Record low temp 26 degree **major frost damage**

January 10, 2001 Record low temp 19 degree **major frost damage**

January 28, 2001 Record low temp 21 degree **major frost damage**

January 26, 2001 Record low temp 27 degree **major frost damage**

2002 Weather Issues affecting orange trees Developer controlled

January 9, 2002 Record low temp **24** degree **major frost damage**

2003 Weather Issues affecting orange trees Developer controlled

January 8, 2003 Record low temp **24** degree **major frost damage**

January 16, 2003 Record low temp **17** degree **major frost damage**

January 20, 2003 Record low temp **28** degree **major frost damage**

January 25, 2003 Record low temp **24** degree **major frost damage**

January 24, 2003 Record low temp **25** degree **major frost damage**

January 28, 2003 Record low temp **28** degree **major frost damage**

2004 Weather Issues affecting orange trees Developer controlled

January 29, 2004 Record low temp **27** degree **major frost damage**

February 19, 2004 Record low temp **28** degree **major frost damage**

Landscaping Contract Details for Citrus Tree Care and Maintenance Developer Controlled

June 1, 2005 Florida Garden Contractor for CDD common areas and Homes
Contract detail for Citrus trees hired by Developer

- a. Trees, Palms and Citrus
- b. Granular Fertilization with minor elements
- c. Insecticide for control of pest as needed
- d. Pruning as needed to maintain proper form

2005 Weather Issues affecting orange trees Developer controlled

February 12, 2005 Record low temp **28** degree **major frost damage**

2006 Weather Issues affecting orange trees Resident controlled

February 10, 2006 Record low temp **28** degree **major frost damage**

February 13, 2006 Record low temp **28** degree **major frost damage**

February 14, 2006 Record low temp **23** degree **major frost damage**

New Landscaping Contract Details for Citrus Tree Care and Maintenance under Resident Control (2007)

May 1, 2007 Vivicon new landscaper contractor for CDD

Citrus Trees maintenance program

- a. Feb/Mar Granular Fertilization 5-20-10 with micronutrients for good root development
- b. May Again use 5-20-10 after fruit set
- c. Sept/Oct 12-12-12 to encourage new fruit wood growth along with iron
- d. Nov/Jan 0-10-10 along with iron, sulfur, manganese and zinc
- e. Late Spring: Prune growth
- f. Insecticide for control of pest as needed

2007 Weather Issues affecting orange trees Resident controlled

February 17, 2007 Record low temp **23** degree **major frost damage**

2008 Weather Issues affecting orange trees Resident controlled

January 3, 2008 Record low temp **27** degree **major frost damage**

CDD Chairman consults with Certified Tree Arborist 2008

Apr 4, 2008 Don Pratt former Chairman of the CDD meet with Mary Edwards and Andy Cushman, both are certified Arborist working for Valley Crest

- a. They observed Tristeza Virus disease injury, fertilizer deficiencies, improper pruning, frost and drought issues and just worn out trees with sour orange growth disease
- b. Recommended that all mulch within the drip line be removed and any fruit on trees removed. Mulch robs the trees of water and nutrients
- c. Trees are stressed
- d. Proposed a Citrus Agronomic Service which was approved.

Spring 2008 Resident volunteers removed all the mulch from the Orange trees saving the community approximately \$6,000

CDD Citrus Tree Agronomic Summary 2008-2009

June 08- May 09 Valley Crest Citrus Agronomic Service (Cost \$10,090.00)

- a. Removed eight dead Orange trees
- b. Soil samples were taken from different areas for analysis
- c. **Each Orange tree received six root injections** of a compound that
 1. Increased absorption and transfer of water and mineral nutrients from the soil to the tree.
 2. Mitigate adverse environmental conditions such as drought, soil salinity and extremes of soil pH
 3. Introduced compounds that provides fixing of atmospheric nitrogen
 4. Introduced compounds for solubilizing of mineral phosphorus
 5. Introduced compounds for biodegrading soil organic matter and releasing mineral nutrients
 6. Introduced compounds that increases root colonization.
- d. **In-Addition Vivicon provided their yearly Citrus maintenance program**

Resident Input Regarding Orange Trees

July-Sept 2009 Orange Tree Survey completed by Resident on Oct 21, 2009

- a. Maintain Trees **142 replies**
- b. Replace with disease/drought tolerant citrus **115 replies**
- c. Cut Back on Trees **46 replies**
- d. Replace with other trees **65 replies**
- e. Upgrade Irrigation **43 replies**
- f. Sod **9 replies**

Oct 15, 2009 Complete Orange Tree Inventory Survey

- a. Total Orange Trees in community 423 each
- b. Total to be removed 188 each
- c. Percent reduction 44%

- d. Project completed Dec 31, 2009 with **38,000 sq ft of sod installed**. **Total cost** of this project **\$10,000**.

Nov 19, 2009 Resident Town Hall meeting regarding the Orange Trees

- a. Reviewed the history of the trees
- b. Reviewed what the community did to preserve the trees
- c. Discussed the decision and process for the removal of 188 trees and associated problems
- d. Discussed options
- e. Small advisory group created.

2009 Weather Issues affecting orange trees Resident controlled

January 15, 2009	Record low temp 28 degree major frost damage
January 21, 2009	Record low temp 25 degree major frost damage
January 22, 2009	Record low temp 21 degree major frost damage
February 1, 2009	Record low temp 28 degree major frost damage
February 5, 2009	Record low temp 23 degree major frost damage
February 6, 2009	Record low temp 19 degree major frost damage
February 7, 2009	Record low temp 28 degree major frost damage
February 21, 2009	Record low temp 28 degree major frost damage

New Landscaping Contract Details for Citrus Tree Care and Maintenance under Resident Control (2010)

Dec 2010 Natural Design new landscaper contractor for CDD Citrus Trees maintenance program (2010)

- a. Feb/Mar Granular Fertilization 5-20-10 with micronutrients for good root development
- a. May Again use 5-20-10 after fruit set
- b. Sept/Oct 12-12-12 to encourage new fruit wood growth along with iron
- c. Nov/Jan 0-10-10 along with iron, sulfur, manganese and zinc
- d. Late Spring: Prune new growth
- e. Insecticide for control of pest as needed

Oct 21-22, 2010 Mike Hicks Survey of tree removal

- a. Total Orange Trees in community (260 each)
- b. Total Orange Trees to be removed from community (48 each)
- c. Percent reduction of Orange trees (18.5%)

Oct 29, 2010 New Comments from two different Arborist assessing the remaining Orange trees (Oct 2010)

My thoughts on the Orange trees are that they are all diseased and should come out but I went through and selected the ones that I thought should definitely go now. I based my decision on overall dieback of the tree. As you'll see in the quote I chose 59 trees, out of those you could probably salvage 8-10 of them but that would be up to you and the board. I gave a unit price though so if you want to add or subtract trees based on other quotes please do so.

I chose the trees by the amount of dieback that was present. The trees I chose generally had at least 25-30% of canopy dieback. Some where a little less but still looked rough. If you try to demoss those trees you'll probably end up breaking the branches b/c they are pretty brittle and I don't believe they are healthy enough to spray for the moss. Overall it's a declining situation and if not removed now it will happen over the next two to three years, if they last that long.

Spanish moss is not parasite, so it will not direct harm the tree. The way it causes problems is when there becomes an over abundance and the moss begins to cover leaves and blocks the leaf's ability to photosynthesize. In some cases it can become so heavy that it can break weak branches. There was not a huge amount on the trees at The Groves. The larger, denser clumps could be removed by hand.

The methods of remove are manually (time and \$\$\$), or by chemical means. The active ingredient used in the removal is copper sulfite. It will stain any porous surface that it comes in contact with, so most people like to stay clear of this product in areas where there are sidewalks and buildings.

Information Submitted By:

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Chairman Groves CDD

Nov 2, 2010