

UPCOMING Residential Deed Restriction INSPECTIONS

During September and October, the Association's Community Standards Coordinators will be out performing deed restriction inspections in the following villages/neighborhoods:

**September: Anderson Springs,
Avalon, Bees Creek**
**October: Sawmill Lake,
Shipman's Landing and Sienna Oaks**

The Association encourages all residents to take a few minutes and look over their property for any potential Deed Restriction issue that may result in a violation.



ASSOCIATION AUDITS Available

The 2023 audits for the Sienna Associations are now complete.

These audits are available online at Siennanet > Administration by Association. For further information or questions, please contact Michael Dei, Director of Finance, via email at michaeld@clubsienna.com.

BERYL EFFECTS - Why So Much Tree Damage?



Hurricane Beryl hit the Houston area with only a few days warning. Based on data from previous hurricanes, a Category 1 hurricane is expected to have devastating effects on trees, particularly trees in urban areas. There were specific factors associated with Hurricane Beryl, such as Houston was on the 'dirty' side of the storm resulting in excessive rainfall and wind damage, which exacerbated the tree damage associated with a hurricane of this magnitude. Wind gusts of over 90 mph were reported, making the wind-speeds of Beryl comparable to Hurricane Ike.

According to the Tree Risk Assessment Qualification Manual, 2nd Edition (International Society of Arboriculture), "When wind speed reaches hurricane force (greater than 73 mph or 117 km/h), failure of defect-free trees can be widespread". According to the Saffir-Simpson Wind Scale, the National Hurricane Center defines a Category 1 hurricane as: "Very dangerous winds will produce some damage: Well-constructed frame homes could have damage to roof, shingles, vinyl siding and gutters. Large branches of trees will snap and shallowly rooted trees may be toppled. Extensive damage to power lines and poles likely will result in power outages that could last a few to several days." <https://www.nhc.noaa.gov/aboutsshws.php>.

Windthrow frequency increases with increasing wind speed. The effect of wind is determined by the nature of the soil and the architecture of the tree. Trees act like a sail on a ship. The larger and denser the canopy, the more force the wind has on the tree. Tree trunks act like a mast. The taller the tree, the more leverage the wind has to push the tree over. If the force and leverage is great enough, the trees will fail at the weakest point.

Soil saturation from excessive rainfall was also a major factor that greatly increased windthrow (trees falling over) during Hurricane Beryl. Wet soils increase the likelihood of windthrow in a storm because soil shearing (landslip) is more likely to occur, and roots can be pulled out of soil more easily. Besides the amount of rain that Beryl dumped on Houston, the Houston area has experienced above average rainfall all year. Soil conditions were much drier when Hurricane Ike hit the Houston area in September 2008.

It should also be noted that large areas of Houston, particularly southwest Houston and adjacent counties, have heavy clay soils. Because of these poorly-aerated and poorly-drained-soils, the vast majority of tree roots are typically found in the upper 12 inches of soil, especially in irrigated landscapes. This increases windthrow in saturated soils.

In addition, numerous large urban trees in Houston area communities are growing in locations with constricted rooting areas surrounded by concrete (e.g., street trees), which inhibit the ability of trees to explore a large enough area of soil to properly anchor trees to the ground. It is common for these trees to blow over in less than tropical force winds.

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BERYL EFFECTS (cont'd)

There are numerous tree species in the Houston area that have been identified in previous research to have a higher likelihood of failing in a windstorm (low wind resistance). Although tree failure data is currently limited regarding Hurricane Beryl, it is expected that most of the downed trees were in the group of trees exhibiting low wind resistance.

The prior mechanical stress to trees by the Houston Derecho, which occurred in May 2024, cannot be overlooked and likely resulted in greater numbers of tree failure than would have been experienced by the hurricane alone since many standing trees may have been damaged by the preceding windstorm a couple of months prior to being impacted by Hurricane Beryl.

Predicting weather events and their impact on trees is very difficult. It seems that every year brings a new weather-related surprise to Texas, so it is anyone's guess what we should expect next. This will certainly not be the last windstorm that impacts your trees, so here is additional information to help you prepare and assess your trees before and after the storm:

- <https://hort.ifas.ufl.edu/woody/documents/FR173.pdf>
- <https://sfyl.ifas.ufl.edu/media/sfylifasufledu/miami-dade/documents/disaster-preparation/hurricane-and-disaster/Assessing-Damage-and-Restoring-Trees-After-a-Hurricane-Gilman.pdf>

Information in this article was provided by Dr. W. Todd Watson, PhD, BCMA. Dr. Watson consults with the Association on its common area trees and plants and conducts regular evaluations. He is an ISA Board-Certified Master Arborist #TX-0974B, Consulting Arborist, Horticulturist, and Plant Pathologist, and ISA Qualified Tree Assessor (TRAQ).

REDISCOVERED TREASURES



**Saturday, September 28, 7 - 10 a.m.,
Sawmill Lake Club (10323 Mount Logan)**

It's Back...Find Your 'Rediscovered' Treasure on Saturday, September 28! It's time to clean out those closets and garages for the return of our annual community wide garage sale! The Rediscover Treasures sale will be held at the Sawmill Lake Club parking lot. Spots are \$15 per space for the sale of residents' treasures; \$50 per space for business treasures (more than one spot may be purchased). Please note, there will not be an option to 'pick' your garage

sale spots. Spaces will be assigned based on your registration timeline. The sale will be advertised in local Greensheets, garage sale finder sites and e-marketing. Any unsold items can be given to the donation trucks scheduled to arrive at the end of the garage sale. *In the event of inclement weather, the sale will not be rescheduled.*

Register at: <https://siennagaragesale24.eventbrite.com>

SIENNA EXCHANGE CLUB Everyone Welcome!

The Sienna Exchange Club will have two exciting meetings this month with the first one on **Monday, September 9, at the Sienna Library (8411 Sienna Springs) from 6 - 7:30 p.m.** The guest speaker will be Joe Stiles from United Service Organization (USO). The USO is a non-profit organization dedicated to supporting military service members and their families.

In addition, on **Monday, September 23, at the Sawmill Lake Club, (10323 Mt. Logan) from 6 - 7:30 p.m., the guest speaker will be Anne Rotando** for Lunches of Love from St. Angela Merici Harvest Church Community Outreach. This is a wonderful program designed to impact the lives of local families.

Sienna friends, please consider attending one of these very inspirational meetings and learn how to participate in service with your neighbors!



60+ GROUP

*Interested in joining other adults
in a variety of activities -
game nights, lunch outings,
pot luck suppers, men's breakfasts,
pool party and much more?*

Contact Adrienne Streckfus at
adestreck@gmail.com
or visit us

on Facebook under Sienna 60+ Group.