



City of Garden Ridge

"A way of life, not just a place to live"

AGENDA

REGULAR CITY COUNCIL MEETING, SEPTEMBER 6, 2017 AT 6:00 P.M.

The Garden Ridge City Council will meet in a regular session on Wednesday, September 6, 2017 at 6:00 p.m. in the City Council Chambers, 9400 Municipal Parkway, Garden Ridge, Texas. This is an open meeting, open to the public, subject to the Open Meetings Law of the State of Texas, and as required by law, notice is hereby posted on September 1, 2017 before 5:00 p.m., providing time, place, date and agenda thereof. The meeting facility is wheelchair accessible and accessible parking spaces are provided. Requests for accommodations or interpretative services must be made 48 hours prior to this meeting.

1. Call to Order
2. Roll Call
3. Pledge of Allegiance
4. City/Employee Recognitions
5. Citizen's Participation – Limited to thirty (30) minutes

Rules for Citizen's Participation:

The City Council welcomes citizen participation and comments at all of their Meetings. The City Council offers citizens the opportunity to address them by signing up to speak prior to the meeting. As a courtesy to your fellow citizens and out of respect for our elected officials, we request that if you speak, you follow these guidelines:

- a) Respect and courtesy:
 - i. Direct your comments to the entire City Council, not to an individual member, nor to the audience.
 - ii. Show the City Council the same respect that you would like to be shown.
 - iii. Show the City Council courtesy by ending your speaking at the time allotted below.
- b) Speaking:
 - i. First citizen comment period
 - a. You are required to sign up to speak.
 - b. You are limited to three (3) minutes per citizen.
 - ii. Business item period
 - a. You are required you to sign up to speak.
 - b. You are limited to three (3) minutes per citizen.
 - iii. Second citizen comment period
 - a. You are not required to sign up.
 - b. You are limited to two (2) minutes per citizen.
 - iv. State your name and address before your comments begin.
 - v. Citizens are only allowed to speak once, unless also speaking during a posted Public Hearing.

*NOTE: The Texas Open Meetings Act permits a member of the public or a member of the governmental body to raise a subject that has not been included in the notice for the meeting. However, any discussion of the subject **must be limited** to a proposal to place the subject on the agenda for a future meeting and any response to a question posed to the City Council is limited to either a statement of specific factual information or a recitation of existing policy. TEX. GOV'T CODE § 551.042.*

6. Consent Agenda

THE FOLLOWING ITEMS MAY BE ACTED UPON IN A SINGLE MOTION. NO SEPARATE DISCUSSION OR ACTION ON ANY OF THESE ITEMS WILL BE HELD UNLESS REQUESTED BY

A MEMBER OF CITY COUNCIL. PUBLIC COMMENT ON CONSENT AGENDA ITEMS MAY BE HEARD DURING CITIZEN'S PARTICIPATION, BUT COMMENTS HEARD DURING CITIZEN'S PARTICIPATION DOES NOT MEAN THAT THE ITEM WILL BE CONSIDERED OUTSIDE THE CONSENT AGENDA.

- a) Approval of Minutes:
 - i. August 2, 2017 City Council Regular Meeting
 - ii. August 7, 2017 City Council Special Meeting
 - iii. August 7, 2017 City Council and Planning and Zoning Commission Joint Meeting
 - iv. August 21, 2017 City Council Special Meeting
- b) Financial Statement and Investment Report –July 31, 2017
- c) Consider approval of Resolution No. 421-092017 ratifying City Council's finding of an emergency regarding Water Well 2 equipment failure and determination that immediate repairs to Water Well 2 were necessary to protect and preserve the public health and safety; authorizing the City Staff to forego the competitive bidding process and to retain a contractor to undertake necessary repairs to Water Well 2.

ACTION ON THE CONSENT AGENDA

7. Business Items

The following items are for discussion, consideration and action.

- a) Action on items pulled from the Consent Agenda
- b) Staff Reports:
 - i. City Administrator Monthly Activity Report
 - Community Center usage and financial report
 - Building Permits issued to date for residential, commercial and minor Construction projects
 - City Council Idea/Suggestions
 - Communication efforts
 - Citizen Concern/Input
 - Website
 - Upcoming events
 - ii. Police Department Monthly Activity Report
 - Traffic Enforcement
 - Criminal activity within city
 - Code Compliance Enforcement
 - Upcoming events-National Night Out
 - iii. Public Works Monthly Activity Report
 - Street and Right-Of-Way Maintenance
 - Drainage Facility and Easement Maintenance
 - Animal Control (domestic and wild)
 - Public Works Projects
 - iv. Water Manager Monthly Activity Report
 - Water pumping/usage from city wells
 - Water system infrastructure maintenance, repairs and/or projects
 - Water and/or Drought Management (current Watering Stage)
 - v. Library Monthly Activity Report
 - Upcoming events

- c) City Engineer Projects Status Reports:
 - i. CIP Project for 2013
 - ii. CIP Project for 2015
 - a. Phase I
 - b. Phase II
 - c. Trinity Wells #9 and #10 Project
 - d. Waterline extension project to Winco/Naco Loop
 - iii. Sewer System (FM 2252)
 - a. Discussion and possible action concerning sewer and water improvements on FM 2252
- d) 2017 Tax Rate
 - i. Review and discussion on the 2017 Effective and Rollback Tax Rate Calculations
 - ii. Motion to ratify the property tax increase of \$ 0.323146 as reflected in the 2018 Budget for the General Fund and Interest and Sinking Fund of the City of Garden Ridge
 - iii. Motion to approve Ordinance 202-092017 of the City Council of the City of Garden Ridge adopting a Tax Rate of \$ 0.323146 per one hundred dollars (\$100.00) of assessed valuation for the City of Garden Ridge, Texas to be effective for the Tax Year 2017 (Fiscal Year 2018)
 - iv. Motion to adopt .211012 as the 2017 Maintenance and Operation Rate for the City of Garden Ridge; and
 - v. Motion to adopt .112134 as the 2017 Debt Service Rate for the City of Garden Ridge
- e) Consider Ordinance 70-092017 amending Ordinance 70-072016 section 7, establishing a revised rank structure for the police department's sworn officer command staff; providing that this ordinance shall be cumulative of all ordinances; providing a severability clause; providing a savings clause; and providing an effective date.
 - i. Discussion and action on Ordinance 70-092017.
- f) Planning and Zoning Commission Recommendations and Possible Action:
 - i. Receive a recommendation from the Planning and Zoning Commission for the reappointment of Commissioners Ringle, Heier, and Willis due to expiring terms of office (September 30, 2017).
 - ii. A petition by Anthony J. Colatarci for a variance to Ordinance 13-062017, Section 5, Residential, Paragraph 5.1.7.2.4.2, Interior Lots, there shall be a side yard of all interior lots of not less than fifteen (15) feet. The request is for the encroachment of an existing storage building into the 15 foot side yard at 8838 Cherokee Path, Garden Ridge, Texas 78266 and further described as Lot 10, Block 10, Forest of Garden Ridge.
 - a. Receive recommendation from Planning and Zoning Commission on the petition.
 - b. Hold a public hearing to receive comments for or against the petition.
 - c. Discussion and action on the variance petition.
- g) Quarry Commission Recommendations and Possible Action:
 - i. Request from Orica USA, Inc. for a Partial Exemption Permit to conduct blasting activities at the Hanson Quarry and to include setting annual fee for the Partial Exemption Permit
 - a. Receive recommendation from Quarry Commission.
 - b. Discussion and action on annual fee.
 - c. Discussion and action on Partial Exemption Permit

- h) Water Commission recommendations and Possible Action:
No report.
- i) Wildlife Management Advisory Commission:
No report.
- j) Garden Ridge Parks Committee:
 - i. Upcoming activities
- k) City Administration Project Updates:
 - i. Master Land Use Plan Update
 - a. Steering Committee Meeting-Monday, September 25, 2017, at 6:00 p.m. in the City Council Chambers, 9400 Municipal Parkway, Garden Ridge, Texas
 - b. Steering Committee Meeting-Public Hearing-Monday, October 23, 2017, at 6:00 p.m. in the City Council Chambers, 9400 Municipal Parkway, Garden Ridge, Texas
- l) City Council Discussions/Project Updates:
 - i. Mayor's communication efforts
 - ii. Volunteer Program
 - iii. Update on CISD activities/concerns (Thompson)
 - iv. Creation of list of items for discussion with TxDOT at a public meeting (Arvidson)
 - v. Future Agenda Items

8. Citizen's Participation – Limited to twenty (20) minutes
See "Rules for Citizen's Participation" under Item 5.

9. Reports and Comments from Mayor and City Councilmembers

The Mayor and/or City Councilmembers may comment, make general announcements and/or provide progress reports on events, activities and/or committees/board meetings concerning the following:

Alamo Area Metropolitan Planning Organization ("AAMPO")
 Boy Scouts and/or Girl Scouts
 City Commissions (Planning and Zoning, Quarry, Water, and Wildlife Management)
 Comal ISD/Garden Ridge Elementary
 Counties (Bexar, Comal and Guadalupe)
 Garden Ridge Lions Club
 Garden Ridge Police Academy Alumni Association/Citizen Patrol
 Greater Bexar County Council of Cities
 Joint Base Land Use Study-Randolph
 Northeast Partnership

10. Adjournment

AGENDA NOTICES:

Decorum Required:

Any disruptive behavior, including shouting or derogatory statements or comments may be ruled out of order by the Presiding Officer. Continuation of this type of behavior could result in a request by the Presiding Officer that the individual leave the meeting, and if refused, an order of removal.

Action by Council Authorized:

The Council may vote or act upon any item within this Agenda. The Council reserves the right to adjourn into closed session at any time during the course of this meeting to discuss any of the matter listed below, as authorized by Title 5, Chapter 55, of the Texas Government Code.

Executive Sessions Authorized:

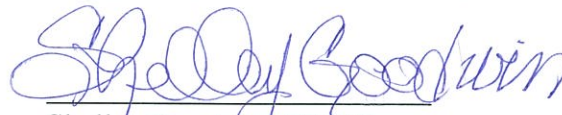
This agenda has been reviewed and approved by the City's legal counsel and the presence of any subject in any Executive Session portion of the agenda constitutes a written interpretation of Texas Government Code Chapter 551 by legal counsel for the governmental body and constitutes an opinion by the attorney that the items discussed therein may be legally discussed in the closed portion of the meeting considering available opinions of a court of record and opinions of the Texas Attorney General known to the attorney. This provision has been added to this agenda with the intent to meet all elements necessary to satisfy Texas Government Code Chapter 551.144(c) and the meeting is conducted by all participants in reliance on this opinion.

Attendance By Other Elected or Appointed Officials:

It is anticipated that members of the other city board, commissions and/or committees may attend the meeting in numbers that may constitute a quorum of the other city boards, commissions and/or committees. Notice is hereby given that the meeting, to the extent required by law, is also noticed as a meeting of the City Council, other boards, commissions and/or committees of the City, whose members may be in attendance. The members of the boards, commissions and/or committees may participate in discussions on the same items listed on the agenda, which occur at the meeting, but no action will be taken by such in attendance unless such item and action is specifically provided for on an agenda for that board, commission or committee subject to the Texas Open Meetings Act.


Shelley Goodwin, TRMC
City Secretary

This is to certify that I, Shelley Goodwin, posted this Agenda at 3:40 p.m. on August 30, 2017 on the bulletin board located at the entrance to the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas.


Shelley Goodwin, TRMC
City Secretary

City Administrator

From: Carolyn Cohen
Sent: Tuesday, July 25, 2017 3:17 PM
To: City Administrator
Subject: Steven Steinmetz - Trophy Oaks Drainage Easments

Nancy, just wanted you to know it was quite a pleasure to meet Steven yesterday. We talked about mowing the drainage easements, and Steven took time to look at a dead/dying oak tree with me to ensure no 'communicable disease'. He's extremely knowledgeable; answered all my questions, and I'm confident he'll handle the easement issues.

I thanked Steven profusely, thank you also for being so responsive (all the time)!!

Carolyn Cohen, Chair
Trophy Oaks Landscape Maintenance Committee



City of Garden Ridge Library

9400 Municipal Parkway
Garden Ridge, Texas 78266-2600
(210) 651-5670

August 8, 2017

City Administrator
Nancy Cain
9400 Municipal Parkway
Garden Ridge, TX 78266

Dear Mrs. Cain:

I would like to congratulate Public Works worker Brian Horne for the exceptional work he has done in the library remodeling project. Although I can't say that I've had the occasion to see him up close in a working environment before now, he is an exemplary employee.

Brian has worked tirelessly helping to move books from shelf to shelf and unloading books from the storage trailer. He kept working continuously without being asked or prodded.

I would say that Garden Ridge is fortunate to have such an employee.

Respectfully,

Linda Crosland

Linda Crosland



MINUTES OF CITY COUNCIL REGULAR MEETING,
AUGUST 2, 2017

Members Present:

Mayor Larry Thompson
Mayor Pro-Tem John McCaw
Councilmember Todd Arvidson
Councilmember Kay Bower
Councilmember Bryan Lantzy

Member Absent:

Councilmember Robb Erickson

City Staff Present:

Nancy Cain, City Administrator
Cynthia Trevino, City Attorney
Ron Eberhardt, Police Chief
Royce Goddard, Water Department Manager
Steven Steinmetz, Public Works Director
Shelley Goodwin, City Secretary

Commission Chairs Present:

None

1. Call to Order

With a quorum of the City Council members present, Mayor Thompson called the regular meeting of the Garden Ridge City Council to order at 6:00 p.m. on Wednesday, August 2, 2017, in the City Council Chambers of the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas 78266.

2. July 4th Video

The July 4th video was played and Mayor Thompson thanked Shelby Trial for putting the video together. Mayor Thompson stated it was a great video to watch immediately prior to the Pledge.

3. Pledge of Allegiance

Katie Falcone, July 4th Second Place winner of the Most Patriotic Child, joined Mayor Thompson in leading the Pledge of Allegiance.

4. City/Employee Recognitions

Nancy Cain, City Administrator, stated she did not have any City/Employee Recognitions to report on.

5. **Citizen's Participation** - Limit remarks to three (3) minutes per citizen

Martha Stipp, 21007 Cedar Branch, spoke regarding deer management and deer resistant plants.

Sharon Stripling, 21729 Forest Waters Circle, spoke regarding communications on upcoming CIP Projects and Oak Wilt budget fund.

Kevin Klueh, 8926 Comanche Path, spoke regarding the new Canyon High School and wastewater.

6. **Consent Agenda**

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a) **Approval of Minutes:**

- i. **June 7, 2017 City Council Regular Meeting (postponed from July 5, 2017 Regular Meeting)**
- ii. **July 5, 2017 City Council Regular Meeting**
- iii. **July 18, 2017 City Council Special Meeting**

b) **Financial Statement and Investment Report –June 30, 2017**

Motion: A motion was made by Councilmember Arvidson, seconded by Councilmember Lantzy, to approve the Consent Agenda items 6. a) and b). The City Council voted four (4) for and none (0) opposed. The motion carried unanimously.

7. **Business Items**

The following items are for discussion, consideration and action.

a) **Action on items pulled from the Consent Agenda**

No Consent Agenda items were previously pulled.

b) **Staff Reports:**

- i. **City Administrator Monthly Activity Report**
 - **Sign approvals since prior Council meeting**
 - **Community Center usage and financial report**
 - **Building Permits issued to date for residential, commercial and minor Construction projects**
 - **City Council Idea/Suggestions**
 - **Communication efforts**
 - Citizen Concern/Input**
 - Website**
 - **Upcoming events**

Nancy Cain, City Administrator, stated the website is currently being cleaned up so when the city changes to the new website, outdated information will not be carried over. She asked that residents contact her if they find outdated or incorrect information.

ii. Police Department Monthly Activity Report

- **Traffic Enforcement**
- **Criminal activity within city**
- **Code Compliance Enforcement**
- **Upcoming events-National Night Out**

Ron Eberhardt, Police Chief, stated that due to recent reports of possible carbon monoxide leaks in Ford Explorers, he has ordered carbon monoxide monitors to be placed in the police department's Ford Explorers to help detect any exhaust leaks.

iii. Public Works Monthly Activity Report

- **Street and Right-Of-Way Maintenance**
- **Drainage Facility and Easement Maintenance**
- **Animal Control (domestic and wild)**
- **Public Works Projects**

Steven Steinmetz, Public Works Director, stated his report is in the City Council packet.

The City Council discussed the Paul Davis Park sign.

Steven Steinmetz, Public Works Director, stated the current sign is a temporary fix, and he is getting quotes for a new sign.

Mayor Thompson thanked the Public Works and Water Department for their assistance in helping with the Library project. He also thanked Eric Lowman, Public Works and Animal Control, for leading the group to replace the lifts on all of the Council Chambers chairs.

iv. Water Manager Monthly Activity Report

- **Water pumping/usage from city wells**
- **Water system infrastructure maintenance, repairs and/or projects**
- **Water and/or Drought Management (current Watering Stage)**

Royce Goddard, Water Manager, reviewed his report and stated the City of Garden Ridge is currently in Stage 1 watering restrictions.

The City Council discussed options of switching to using the Edwards Aquifer Well and letting the Trinity Well rest.

Royce Goddard, Water Manager, stated he was watching the drawdown of the wells and will report his findings to the Mayor so they can decide when to switch wells.

The City Council discussed the operation of and recent repairs to Well 2.

Royce Goddard, Water Manager, stated Well 2 is up and running.

Mayor Thompson stated Royce Goddard has been monitoring the daily water usage. He also stated that the daily consumption of water has not changed much since announcing Watering Restrictions. Mayor Thompson asked Chief Eberhardt to step up the enforcement regarding the watering in Stage 1 restrictions.

v. Library Monthly Activity Report
- Upcoming events

Linda Crosland, Librarian, stated the Garden Ridge Library is currently in the middle of a facelift. She thanked all of those who were involved in purchasing the paint, painting, and providing the food during lunch. She also stated the Library will be closed August 7th and 8th for delivery of new furniture. She announced the Library will host an Open House from 2 p.m.- 4 p.m. on September 17, 2017.

- c) City Engineer Projects Status Reports:**
- i. CIP Project for 2013**
 - ii. CIP Project for 2015**
 - a. Phase I**
 - b. Phase II**
 - c. Trinity Wells #9 and #10 Project**
 - d. Municipal Parkway Seal Coating**
 - e. Waterline extension project to Winco/Naco Loop**
 - f. Hickory Bend Drainage**
 - iii. Sewer System (FM 2252)**

Daniel Mummert, Trihydro, City Engineers, reviewed his report on updates of CIP projects. He highlighted:

- Municipal Parkway work is completed.
- Phase II material and construction project timeline.
- 2015 CIP Street Preliminary coring sampling locations are being determined.
- Trinity Wells #9 and #10 Project is currently waiting on final pump installation and the booster pump station installation has begun.
- TxDOT FM 2252 is an ongoing project and the cost for water, wastewater and easements are also ongoing.
- Update on City of Garden Ridge Debt Issuance and CIP Project allocations.

The City Council discussed the proposed sidewalks on FM 2252 and TxDOT timeline for FM2252 widening. They also discussed writing a Letter of Intent to put TxDOT on notice regarding placement of our water/wastewater lines outside of the right-of-way.

- d) 2017 Tax Rate**
- i. Review and discussion on the 2017 Effective and Rollback Tax Rate Calculations**

Nancy Cain, City Administrator, reviewed the 2017 Effective and Rollback Tax Rate Calculations. She provided the City Council with three options and stated Option A would fund the FY 2018 proposed budget.

Mayor Thompson provided the process of the tax rate and calculations. He also described the differences between Options A, B, and C. He recommended Option A which would result in an increase of \$21.87 (\$.14) for the average home value of \$448,667.

ii. City Council proposal to adopt a tax rate of \$0.323146 for the 2017 tax year after compliance with all requirements related to the adoption of the proposed tax rate.

Motion: A motion was made by Councilmember Lantzy, seconded by Councilmember McCaw, to approve Option A and propose a tax rate of \$0.323146 for the 2017 tax year after compliance with all requirements related to the adoption of the proposed tax rate. The City Council voted four (4) for and none (0) opposed. The motion carried unanimously.

iii. Announce dates and times of public hearings and adoption of the proposed tax rate.

Nancy Cain, City Administrator, announced there will be two required Public Hearings for the proposed 2017 Property Tax Rate, the first on Monday, August 21, 2017, 6:00 p.m., and second on Wednesday, August 30, 2017, 6:00 p.m., City Council Chambers, 9400 Municipal Parkway, Garden Ridge, Texas. She stated adoption of the proposed tax rate is set for Wednesday, September 6, 2017, at 6:00 p.m.

e) 2018 Budget Update

i. Announce dates and times of public hearing and adoption of the proposed FY2018 Budget.

Nancy Cain, City Administrator, announced the public hearing and possible adoption of the proposed FY 2018 Budget is scheduled for Monday, August 7, 2017, 6:00 p.m., City Council Chambers, 9400 Municipal Parkway, Garden Ridge, Texas. She stated with the tax rate proposal action the Special Meeting scheduled for August 14, 2017 is cancelled.

f) Planning and Zoning Commission Recommendations and Possible Action:
No report.

g) Quarry Commission Recommendations and Possible Action:
No report.

h) Water Commission recommendations and Possible Action:

i. Receive a recommendation from the Water Commission regarding a request from Robert D. Doerr, Regency Oaks Homeowners Association Treasurer, for a reduction of water bill for the billing period of May 23, 2017 through June 23, 2017.

Nancy Cain, City Administrator, stated the Water Commission received a request from Robert Doerr on behalf of the Regency Oaks Homeowners Association for a reduction of their water bill for the timeframe of May 23, 2017 through June 23, 2017. She stated that after a long discussion of possible issues that could have created the usage of the large amount of water, the Water

Commission agreed by consensus to forward this request to the City Council for a determination of the request.

Royce Goddard, Water Manager, reviewed the water usage print out for the period of May 23, 2017 through June 23, 2017.

The City Council discussed the possible causes of the high water usage and the irrigation system at the entrance of the subdivision.

Robert D. Doerr, Regency Oaks Homeowners Association Treasurer, reviewed the bill, the history of their water usage and their current irrigation system. He stated no one saw puddles or water spraying, however they had some scheduled maintenance work done on the system and he feels that is when the high water usage was stopped. He also stated that the HOA is getting a new irrigation system installed and therefore they are asking to pay the normal rate for the water usage and not the higher level usage rate.

The City Council discussed the different water usage rates and Ordinance 54. They also discussed the cost to each homeowner's normal portion of a monthly water bill and their portion of this bill.

Motion: A motion was made by Councilmember Lantzy, seconded by Councilmember McCaw, to deny the request from Robert D. Doerr, Regency Oaks Homeowners Association Treasurer, for a reduction of the water bill for the billing period of May 23, 2017 through June 23, 2017. The City Council voted four (4) for and none (0) opposed. The motion carried unanimously.

Mayor Thompson stated in the next Fiscal Year, the City of Garden Ridge will have a Water Rate Study done so that the Water Department will know the true cost of the water and will work on an Ordinance to consider reduction in these types of circumstances.

ii. Receive a recommendation from the Water Commission for the reappointment of Commissioners Heier, Holloway, and Harshbarger due to expiring terms of office (September 30, 2017).

Nancy Cain, City Administrator, stated the Water Commission reviewed the upcoming Commissioners' expiring terms of office. She stated they voted unanimously to recommend the City Council reappoint Commissioners Heier, Holloway, and Harshbarger due to their terms of office expiring September 30, 2017.

Motion: A motion was made by Councilmember McCaw, seconded by Councilmember Arvidson, to approve the recommendation from the Water Commission for the reappointment of Commissioners Heier, Holloway, and Harshbarger due to expiring terms of office (September 30, 2017). The City Council voted four (4) for and none (0) opposed. The motion carried unanimously.

i) Wildlife Management Advisory Commission:
No report.

j) Garden Ridge Parks Committee:

i. Update on Keep Texas Beautiful Program

Shelby Trial, Parks Committee Chair, stated at the June City Council Regular Meeting he provided an update on the Keep Texas Beautiful Program and 501(c)3. He stated the Parks Committee is still reviewing whether to enter into the Keep Texas Beautiful Program or to get their own 501(c)3.

Mr. Trial also updated the City Council on grant writing for the Parks Committee and stated two members (Lisa Swint and Denice Fox) have volunteered to take these classes.

The City Council agreed by consensus to send Lisa Swint and Denice Fox to the grant writing classes at a total expense of \$130.00.

k) City Administration Project Updates:

i. Master Land Use Plan Update

a. Steering Committee Meeting, August 7th at 6:45p.m.

Nancy Cain, City Administrator, stated the Steering Committee Meeting is open to the public and will be held on Monday, August 7th at 6:45 p.m. She also stated the Steering Committee received the draft copy of the Master Land Use Plan, so please review, mark your changes, and comments.

b. Town Hall Meeting, August 28th at 6 p.m.

i. Communications for Town Hall Meeting

Nancy Cain, City Administrator, stated the Town Hall Meeting to present the draft Master Land Use Plan to the residents is scheduled for August 28th at the Community Center. She stated the doors will open at 6 p.m. and the presentation will begin at 6:30 p.m. She also stated she will use the same methods as the last Town Hall Meeting to communicate with the residents.

l) City Council Discussions/Project Updates:

i. Mayor's communication efforts

Mayor Thompson announced he holds a Mayor's Coffee every Monday from 9:30 a.m. to 11:00 a.m. and residents are welcome to come and talk to him and anyone else who attends the coffee. He also announced his office hours are Monday, Tuesday and Friday from 1:00 p.m. to 4:00 p.m. Appointments are not necessary but preferred. He reminded residents that they are welcome to call or email him or any Councilmember whenever they like.

ii. Volunteer Program

Mayor Thompson stated in the Grapevine he spoke of the *Volunteer Garden Ridge!* program that Garden Ridge will soon roll out. He stated he is working with Shelby Trial who will be the coordinator of the program. He announced there will be a soft roll out at the Town Hall Meeting on August 28th and the official roll out on October 3rd at the National Night Out.

iii. Update on CISD activities/concerns

Mayor Thompson stated he provided each councilmember a copy of the letter that he sent to Superintendent Kim and CISD Board Trustee Mueller, along with the letters and comments he received.

The City Council discussed the letter and the possibility of a representative from CISD coming to a council meeting to address residents.

Mayor Thompson stated they will have to discuss the type of meeting because he feels when CISD does a presentation at a council meeting, residents feel the City Council is endorsing CISD's activities.

iv. Creation of list of items for discussion with TxDOT at a public meeting

Councilmember Arvidson stated with the concerns of traffic from the elementary school, quarry, and new high school, he suggested the creation of an issues list so TxDOT can address them. He suggested this list include road materials, right-of-ways, traffic lights, and other issues.

Mayor Thompson suggested Councilmember Arvidson set up a table at the August 28th Town Hall Meeting so residents can add their concerns and become aware of the effort to host TxDOT.

v. Future Agenda Items

No items were provided.

8. Citizen's Participation – Limit remarks to two (2) minutes per citizen

Lee Doerr, 10009 Calley Circle, spoke regarding the process for determining a broken meter.

Shelby Trial, 21657 Forest Waters Circle, spoke regarding the Volunteer Program and incentives.

Ken Kneupper, 8891 Schoenthal Road, spoke regarding CISD naming the new middle school.

Pam Fritz, 8927 Garden Ridge Drive, spoke in favor of a letter of intent to TxDOT and on the location of White Ranch.

Dr. Jim Miller, 9910 Marie Meadow, spoke on the variance requested for Regency Oaks and the previous practice of awarding leak adjustments.

9. Reports and Comments from Mayor and City Councilmembers

The Mayor and/or City Councilmembers may comment, make general announcements and/or provide progress reports on events, activities and/or committees/board meetings concerning the following:

Alamo Area Metropolitan Planning Organization ("AAMPO")

Boy Scouts and/or Girl Scouts

City Commissions (Planning and Zoning, Quarry, Water, and Wildlife Management)

Comal ISD/Garden Ridge Elementary

Counties (Bexar, Comal and Guadalupe)

Garden Ridge Lions Club

Garden Ridge Police Academy Alumni Association/Citizen Patrol

Greater Bexar County Council of Cities

Joint Base Land Use Study-Randolph

Northeast Partnership

Councilmember Lantzy asked Mayor Thompson if there were any meetings he would like the City Council to attend.

Mayor Thompson suggested the County luncheon, but he will review each one and get back with City Council.

Councilmember Bower stated she is attending the newly elected official's training and inquired which other meetings Mayor Thompson recommends she attend.

Councilmember Arvidson stated he attended Comal ISD Planning Session and reported Comal ISD has closed on the new high school property on FM 3009. He inquired about the Police Department's plan for traffic flow for the first day of school.

Ron Eberhardt, Police Chief, stated he will be bringing in additional officers for the first day of school. He also stated they will be blocking off the grass area on Municipal Parkway so everyone knows that parking on the grass is not allowed. He also stated Comal ISD is not willing to pay the same amount they did last year for traffic light changing and might be contracting with Comal County Sheriff Department.

10. Executive Session

The City Council will recess its open meeting and reconvene in Executive Session:

- a) **Pursuant to Texas Government Code Chapter 551.074 to deliberate the appointment, employment, evaluation, reassignment, duties of City Attorney.**
- b) **Pursuant to Texas Government Code Chapter 551.071 (Consultation with Attorney) and 551.074 (Personnel Matters) to deliberate the duties, roles, and responsibilities related to City Council School Liaison and to seek or receive legal advice regarding same.**
- c) **Pursuant to Texas Government Code Chapter 551.071 to consult with City Attorney to seek or receive legal advice regarding ADA requirements related to crosswalk on Municipal Parkway and related parking area signs.**

Mayor Thompson announced the City Council will recess into Executive Session at 8:12 p.m., in accordance with Texas Government Code Chapter 551.074 to deliberate the appointment, employment, evaluation, reassignment, duties of City Attorney.

Mayor Thompson adjourned the Executive Session at 10:39 p.m. and the City Council reconvened back into regular session.

11. Business Items (continued)

The City Council will reconvene into Regular Session upon conclusion of the Executive Session and may recall any item posted for Executive Session for action, as necessary.

Motion: A motion was made by Councilmember Bower, seconded by Councilmember McCaw, to retain the services of Denton Navarro Bernal and Zech, PC. The City Council voted three (3) for and one (1) opposed (Councilmember Lantzy). The motion carried.

The City Council reconvened back into Executive Session at 10:54 p.m., in accordance with Texas Government Code Chapter 551.071 (Consultation with Attorney) and 551.074 (Personnel Matters) to deliberate the duties, roles, and responsibilities related to City Council School Liaison and to seek or receive legal advice regarding same and Chapter 551.071 to consult with City Attorney to seek or receive legal advice regarding ADA requirements related to crosswalk on Municipal Parkway.

Mayor Thompson adjourned the Executive Session at 11:14 p.m. and the City Council reconvened back into regular session.

Motion: A motion was made by Councilmember Lantzy to approve Plan A, but he provided no explanation of the details. The motion failed due to lack of a second.

Motion: A motion was made by Councilmember Bower, seconded by Councilmember McCaw, to not put in a crosswalk connecting the City Hall parking and Garden Ridge Elementary and to add signage stating “no crossing”. The City Council voted four (4) for and none opposed. The motion carried unanimously.

The City Council agreed by consensus to postpone 11. b) until the September 6, 2017.

12. Adjournment

There being no further business, the Wednesday, August 2, 2017 Garden Ridge City Council regular meeting was adjourned at 11:20 p.m. by Mayor Thompson.

Larry Thompson
Mayor

ATTEST

Shelley Goodwin, TRMC
City Secretary

**SIGN IN TO SPEAK AT THE AUGUST 2, 2017
CITY COUNCIL REGULAR MEETING
CITIZEN COMMENT PERIOD**

Rules for Citizen's Participation:

The City Council welcomes citizen participation and comments at all of their Council Meetings. As a courtesy to your fellow citizens and out of respect to our elected officials, we request that if you speak, that you please follow these guidelines.

- a) Direct your comments to the entire Council, not to an individual member, nor to the audience.
- b) Show the City Council the same respect and courtesy that you would like to be shown.
- c) Limit remarks to three (3) minutes per citizen during Item 6 and to two (2) minutes per citizen during Item 9.
- d) Citizens' comments will be limited to thirty (30) minutes in Items 6 and 9.
- e) Citizen comments may be deferred to a specific Business Item set forth in Section 8, below, if such comments pertain to such Business Item.

NOTE: The Texas Open Meetings Act permits a member of the public or a member of the governmental body to raise a subject that has not been included in the notice for the meeting. However, any discussion of the subject must be limited to a proposal to place the subject on the agenda for a future meeting and any response to a question posed to the Council is limited to either a statement of specific factual information or a recitation of existing policy. TEX. GOV'T CODE § 551.042.

Disclaimer:

Any disruptive behavior, including shouting or derogatory statements or comments, will be ruled out of order by the Presiding Officer. Continuation of this type of behavior could result in a request by the Presiding Officer that the individual leave the meeting, and if refused, an order of removal.

	NAME	ADDRESS	SUBJECT
1.	Bob Doerr	10009 Calley Circle	Ref Agenda Item 7h
2.	Martha Stipp	21007 Cedar Branch	Deer Management
3.	Sharon Stepling	21729 Forest Waters Cir.	Oak Wilk, CIP, Restriction
4.	Kevin Klueh [KLUKH]	8926 Comanche Path	School Update
5.			
6.			
7.			
8.			
9.			
10.			

Regency Oaks Homeowners Association Request for Decrease in Water Bill

*Water bill for period ending Jun 23: \$1974.15, water used: 150,000 gallons.

*In prior 15 years, a total of only 283,000 gallons used.

*Average bill for last 24 months was under \$60.

*ROHOA only waters at front entrance with 4 zones that run along FM2252.

*During period of leak there were no reports of water running onto road or pooling in small expanse between road and neighborhood wall.

* We have had many leaks in the past, but they have always been caught by someone in the neighborhood by seeing water seeping onto the road. These have normally been slow leaks and water has been turned off immediately upon report.

*This time water leaked for 6 days

* Amount of water lost was equal to 10 average-sized backyard in ground pools, but no one saw it

*Amount of water equal to three quarters of city's smaller water tank spilled out somewhere, but no one saw it.

*Two most recent leaks, other than this one, reported by residents within 2 days and water leakage limited to approximately 5,000 gallons lost each time.

*We believe catastrophic leak stopped by coincidence as system was shut off for malfunctioning sprinkler zone and repairs made to overall system

*ROHOA considers itself frugal with its watering and diligent in finding/fixing leaks. We are in the process of upgrading our system to deter future problems.

*ROHOA will pay for water so no other neighborhoods/families have to subsidize us. We wish only to pay for water at the basic, first stage rate.

Robert Doerr S.H.I.

Information On Deer Resistant Plants and Deer Repellents/Deterrents



Compiled by: Martha Colemere Stipp
Garden Ridge, Texas

Living With Deer In Garden Ridge, Texas

When choosing landscape plants for your yard, there are very few truly deer-proof plants, but there are many plants to choose from that deer will not eat unless they are starving. The basic rules for selecting deer resistant plants are as follows:

- Use plants native to Texas as much as possible. NOTE: If you plant Lantanas, use only the native varieties. Deer will eat the hybrids.
- The more fragrant the plant is, the less the deer like it.
- Thorny, prickly plants do not appeal to the deer, but they may eat the new growth.
- Use fuzzy, sticky, sappy plants especially those with a milky sap.
- Deer do not like plants with gray foliage.

Keeping the above points in mind, there are large groups of plants you may find to be great additions to your yard. Because deer are browsers, most ornamental grasses are a good choice. Also Garden Ridge deer won't eat: anything in the Salvia family; Vincas (the variegated vine or flowering Periwinkle); most ferns; true herbs; or poisonous plants like oleanders, milkweeds or bluebonnets. In my area of Garden Ridge Estates, the deer won't touch Japanese boxwoods. A quick fix is to put your yummy, blooming flowers in hanging baskets out of reach of the deer.

The best way to discourage deer from frequenting your yard is by making your yard less desirable. Below are some suggestions:

- Xeriscape your yard using plants native to Texas as often as possible.
- Remove all water sources the deer can reach. They seek out water more than food.
- Set your bird feeders above 5 feet in locations where the deer can not eat the seed that falls on the ground.
- Install solid, fencing (5-6 feet tall) around areas where you do not want deer. Like horses, deer won't jump over a fence where they can not see the other side unless they feel it is truly life or death.

Coexisting peacefully with our city's deer requires an understanding of deer behavior. If you have ever worked with large farm/ranch animals, you already know the basics. For example, you know to never get between a cow and her calf. You also know to avoid getting close to a bull. Deer, like cows, are not aggressive animals but they can be protective and territorial. Therefore, when out and about remember to keep your distance from fawns, and keep your dogs on leashes. To a doe with a fawn, your dog looks like a coyote. Also, do not touch a tiny fawn lying alone. Fawns lack a scent for the first few weeks, and they are safer from predators when left on their own. Be assured, the mother is within ear shot of its baby. It is very tempting to try to hand feed and touch the deer. If you just can not help yourself only befriend a doe. Never approach or try to touch a buck even when the buck is a young deer. They need to maintain a respect and fear of humans for obvious safety reasons. Bucks should never get to the point they feel comfortable approaching you. Note that during the few weeks when bucks are scraping their antlers, you may want to protect young trees (diameter less than 5 inches) and smaller shrubs from possible damage. Try repellent sprays or deterrents (see info sheet).

We must remember we, not the deer, are the intruders in Garden Ridge. The deer and other wildlife were here first. As responsible caretakers of our city's natural resources, which includes the deer, we need to do our part so we may live in harmony with nature. Therefore, living in Garden Ridge requires city residents to think outside the traditional landscaping box for plants that fit our special needs. We should use mostly native, drought tolerant plants in xeriscaped yards that do not appeal to wildlife. For example, try growing a large, beautiful herb garden. Not only would the deer pass it by, but the herbs are very useful.

Best Deer-Resistant Plants For Garden Ridge

Small Tree/Large Shrubs

Anacacho Orchid Tree TX
*Esperanza "Yellow Bells"
*Cenizo TX
*Cherry Laurel TX
*Desert Willow TX
*Evergreen Sumac TX
*Flameleaf Sumac TX
*Mexican Buckeye TX
*Mexican Sycamore
*Texas Mountain Laurel TX
*Texas Persimmon TX

Herbs and Sage (all varieties)

*Autumn Sage TX
Germander
*Lavender
*Mealycup Sage TX
*Mexican Oregano
*Mint (best choice)
*Oregano (best choice)
*Rosemary (upright and prostrate)
*Santolina
*Sweet Marjoram
*Thyme (best choice)

Shrubs

*Agarita TX
*Blue Plumbago
Butterfly Bush (use TX native varieties)
*Damianita
*Firebush
Flame Acanthus
*Japanese Boxwood
*Japanese Plum Yew
*Juniper
*Lantana (TX natives only, no hybrids)
*Oleander ⊗
*Pride of Barbados
*Pyracantha
*Sago Palm
*Salvia (all varieties)
*Turk's Cap
*Yaupon Holly TX (dwarf variety)

Ornamental Grasses

*Big Bluestem TX
*Fountain Grass
Indiangrass
*Mexican Feathergrass
*Mondo Grass
Sideoats Grama TX
*Texas Sotol TX

Ground Cover

*Ajuga "Bugle Weed"
*Asian Jasmine
*Asparagus Fern
*Confederate Jasmine
*Purple Heart
*Variegated Vinca Vine

Succulents

Aloe
*Century "Agave" Plant TX
*Hens and Chickens (spiny only)
*Prickly Pear Cactus
*Yucca

Flowers

*Alyssum
Antelope Horns ⊗
*Bearded Iris ⊗
*Bluebonnet TX ⊗
*Butterfly Weed ⊗
*Cannas
*Cast Iron Plant
*Cinnamon Fern
*Daffodil/Narcissus ⊗
*Dusty Miller
Foxglove TX ⊗
*Leavenworth's Eryngo ⊗
*Mexican Mint Marigold TX
Periwinkle ("Cora" series is best)
*Pink Skullcap
*Salvia (all varieties)
*Scented Geranium
*Swamp Milkweed ⊗
*Yellow Passionflower Vine
*Zinnia (Zahara, Profusion & Crystal series)

TX - Denotes a plant native to Texas

* - Drought tolerate plant

⊗ - Poisonous

Best Deer Repellents For 2017

Contach Scarecrow

Battery operated (9 volt). Works at night.
Adjustable arc and distance up to 800 sq. ft. Ability to link multiple units together.

Bobbex B550100

Lasts up to 2 months. Won't wash off. All natural.
Odor will lessen after it dries. Won't harm plants.

Soldier Sentinel

Adjustable ultrasonic, infrared motion sensor. Undetectable by humans.
Weather proof.

Hoont Cobra Jet Sprayer

Motion sensitive sprayer with loud noise and jet spray up to 30 feet.
Very low water consumption. Repels other wildlife besides deer.

Deer Out

Pleasant, mint aroma. Safe to use on food crops. It will wash off in the rain.
Money back guarantee.

Deer Stopper Concentrate

Requires only a light spray. Lasts for 1 month.
Safe to spray on vegetables. Prevents grazing and bedding down of deer.

Plantskydd Repellent

Water soluble powder. Protects new growth. Works on deer and rabbits.
Fertilizes foliage.

Enviro Pro Deer Scram

Won't harm any animals that eat it. No bad odor. Made of animal byproducts like bone meal. Will attract flies.

Ortho Deer B Gone

No mixing or diluting needed. Won't harm vegetation but can not be used on plants you eat.

Deer & Rabbit Mace (Nature's Mace)

100% guaranteed. Has an organic fertilizer in it.

Predator Guard

Solar powered LED deterrent light with a 30 day money back guarantee. Has a 3 year warranty. Works to ward off other wildlife besides deer (like coyotes).



Deer in the Urban Landscape

Coping with the deer by the use of deer resistant plants.

by Forrest W. Appleton

Parson's Archive ssistant Answer Man

Retired certified nursery professional, Bexar County Master Gardener

Many of us who live in the suburbs must share our environment with the native wildlife. For the most part, we can live in harmony with these creatures and derive considerable pleasure from their presence. At times the squirrels can cause great exasperation as we try to keep them out of the bird feeders and fruit and nut trees but the entertainment they provide as they frolic about the yard offsets any inconvenience they cause. We may speak harshly of the occasional skunk, possum or armadillo when they dig holes in our lawns as they search for grubs. And that pesky roadrunner seems to always have one of our insect eating anole lizards in his beak.

However, none of these critters seems to cause irreparable damage. The one that brings to bear serious heartburn though is the whitetail deer. Their natural ability to assimilate themselves into the residential community is exacerbated by those who delight in putting out food to attract them into their yards.

This graceful animal has absolutely no respect for the property of his human neighbors and possesses great athletic ability, making it difficult if not almost impossible to preclude its presence. They leap six-foot fences with ease. They come under the cover of darkness to determine what new delicacies have appeared since their last visit and I can not help but believe that they take the greatest of pleasure in nipping off the almost open buds of tomorrow's blossoms.

Much has been written and said about what the serious gardener can do to lessen the impact of the deer in his landscape. This usually includes a listing of those plants which deer are not supposed to like and the unqualified statement that repellents exist to fend them off your prized plants. I have found these writings and proclamations to be of little value to the person who is trying to put some variety into his landscape and do his share to improve the beauty of his surroundings. At the end of this article I will list those plants which I, through trial and error, have found to be least bothered by the deer.

The physical damage caused by the deer by means other than browsing is something that is seldom addressed by either those who would have us believe that the deer are a definite plus in our communities or by the horticultural experts as they dispense their advice. No small tree or shrub is safe from the buck that is rubbing the velvet from his antlers or marking his area. They not only cause breakage, but will rub the bark completely off a plant, girdling it and causing its eventual death. The only protection that I have found to be effective is to place an unsightly cage of fencing or concrete reinforcing mesh around the plant. Since I usually install small plants, this means a lengthy period of eyesores in the landscape.

This article is not meant to be a complete condemnation of the deer. They are, no doubt, here to stay. My main purpose is to pass on those things with which I have had some success. I have had good luck with most of the gray leaf plants, those with highly fragrant foliage, all of the salvias and most of the lantanas. Here is the listing of the plants which the deer do not seem to like well enough to severely damage by eating. However this list must be caveated like others I have seen; deer can't read and when they are hungry, they will eat almost anything.

Shrubs

Agarita (*Berberis trifoliolata*)
 Boxleaf Euonymus (*Euonymus japonica 'Microphylla'*)
 Bush Germander (*Teucrium fruticans*)
 Ceniza/Texas Sage (*Leucophyllum* spp.)
 Elaeagnus or Silverberry* (*Elaeagnus pungens*)
 Esperanza (*Tecoma stans*)
 Evergreen sumac (*Rhus virens*)
 Firebush (*Hamelia patens*)
 Goldcup (*Hypericum* spp.)
 Gray Cotoneaster (*Cotoneaster glaucophylla*)
 Japanese Boxwood (*Buxus microphylla japonica*)
 Japanese Yew (*Podocarpus macrophyllus*)
 Nandina (*Nandina domestica*)
 Oleander (*Nerium oleander*)
 Pineapple Guava (*Feijoa sellowiana*)
 Pomegranate (*Punica granatum*)
 Primrose Jasmine (*Jasminum mesnyi*)
 Reeve's Spirea (*Spirea reevesiana*)
 Soft Leaf Yucca (*Yucca recurvifolia*)
 Sotol (*Dasylirion* spp.)
 Texas Mountain Laurel (*Sophora secundiflora*)
 Upright Rosemary (*Rosmarinus officinalis*)
 Viburnum (*Viburnum* spp.)
 Yaupon Holly (regular and dwarf) (*Ilex vomitoria*)
 Yucca (spp) All yucca with a sharp, stiff point
 Thryallis (*Galphimia glauca*)

Ground Covers

Prostrate Rosemary (*Rosmarinus officinalis Prostratus*)
 Germander (*Teucrium chamaedrys*)
 Gray Santolina or Lavender Cotton (*Santolina chamaecyparissus*)

Green Santolina (*Santolina virens*)
 Thyme (*Thymus spp*)
 Wedelia (*Wedelia trilobata*)
 Frog Fruit (*Phyla incisa*)
 Pigeonberry (*Rivina humilis*)

Perennials

Ageratum (*Eupatorium coelestinum*)
 Amaryllis (*Hippeastrum x Johnsonii*)
 Angel Trumpet (*Datura spp*)
 Bouncing Bet / Soapwort (*Saponaria officinalis*)
 Silver King Artemisia (*Artemisia ludoviciana*)
 Autumn Sage (*Salvia greggii*)
 Bearded Iris (*Iris spp*)
 Blue Plumbago (*Plumbago auriculata*)
 Candytuft (*Iberis sempervirens*)
 Copper Canyon Daisy (*Tagetes lemonii*)
 Dusty Miller (*Senecio cineraria*)
 Elephant Ears (*Alocasia spp./Colocasia spp.*)
 Garlic Chives (*Allium tuberosum*)
 Goldmoss Sedum (*Sedum acre*)
 Gray Santolina or Lavender Cotton (*Santolina hamaecyparissus*)
 Green Santolina (*Santolina virens*)
 Hummingbird Bush (*Anisacanthus wrightii*)
 Indigo Spires Salvia (*Salvia 'Indigo Spires'*)
 Jerusalem Sage (*Phlomis fruticosa*)
 Lantana (*Lantana spp*)
 Mallow Hibiscus (*Hibiscus moscheutos*)
 Marguerite (*Chrysanthemum frutescens*)
 Mealy Cup Sage (*Salvia farinacea*)
 Mexican Bush Sage (*Salvia leucantha*)
 Mexican Hat (*Ratibida columnaris*)
 Mexican Honeysuckle (*Justicia spicigera*)
 Mexican Mint Marigold (*Tagetes lucida*)
 Mexican Oregano (*Poliomintha longifolia*)
 Oxeye Daisy (*Chrysanthemum leucanthemum*)
 Rock Rose (*Pavonia lasiopetala*)
 Rosemary (*Rosmarinus officinalis*)
 Spined Prickly Pear Cactus (*Opuntia spp*)
 Split Leaf Philodendron (*P. selloum*)
 Texas Betony (*Stachys coccinea*)
 Wedelia (*Wedelia trilobata*)
 Wormwood (*Artemisia absinthum*)
 Yarrow (*Achillea millefolium*)
 American Beautyberry (*Callicarpa americana*)
 Cape Honeysuckle (*Tecomaria capensis*)
 Evergreen Pavonia (*Pavonia hastata*)
 Jerusalem Cherry (*Solanum Pseudocapsicum*)
 Perilla/Shiso (*Perilla frutescens 'Atropurpurea'*)

Russian Sage (*Perovskia atriplicifolia*)
Society Garlic (*Tulbaghia fragrans*)

Ornamental grasses

Inland sea oats (*Chasmanthium latifolium*)
Maiden Grass (*Miscanthus sinensis*)
Gulf Muhley (*Muhlenbergia capillaris*)
Lindheimer's Muhley (*Muhlenbergia lindheimeri*)
Pampas Grass (*Cortaderia selloana*)
Purple Fountain Grass (*Pennisetum setaceum*)

Flowers

Indigo Spires (*Salvia spp.*)
Larkspurs (*Delphinium consolida*)
Marigolds (*Tagetes spp*)
Mealy Cup Sage (*Salvia farinacea*)
Periwinkles (*Catharanthus roseus*)
Zinnias (*Zinnia spp*)
Spider Flower (*Cleome Hasslerana*)

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Updated 01 Sept 2008

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Reported Deer Proof Plants

BY

Calvin Finch, former Bexar County Horticulturist
Texas Agricultural Extension Service

Annual/Perennial Flowers

Aloe
Alyssum
Bluebonnet
Calendula
Daffodil/Narcissus
Gloriosa Daisy
Hyacinth
Iris
Marigold
Oxalis
Periwinkle
Scotch Brown
Snapdragons

Groundcover and Vines

Asiatic Jasmine
Carolina Jessamine
Clematis
English Ivy
Ferns
Rosemary
Vinca
Wisteria

Shrubs

Abelia
Bamboo
Boxwood
Butterfly Bush
Cactus
Cenizo
Century Plant
Cherry Laurel
Crepe Myrtle
Elephant Ear
Evergreen Sumac
Holly (all with thorns)
Salvia
Juniper
Lady Banksia Rose
Lantana (natives only)
Oleander
Rhododendron
Texas Mountain Laurel
Viburnum Suspensum
Wax Myrtle
Yaupon Holly
Yucca

GARDEN STYLE
SAN ANTONIO

GARDEN
TIPS

WATER SAVER
COUPONS & REBATES

21 DEER-RESISTANT PLANTS FOR SAN ANTONIO AND THE HILL COUNTRY

GARDEN
GALLERIES



Author: Mark Peterson
topics: Plants

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There are no truly deer-proof plants — except for plastic and silk ones. But stick with these tried-and-true choices and you shouldn't have an issue with deer feasting on your flora.

How do I keep the deer from eating my plants? This is one of the Garden Geek's most frequently asked questions. And let me first say there are no deer-proof plants — except for plastic and silk ones.

What we are left with are native and adapted non-native species. My words of advice have always been to use all plants that are the "stinky, sticky, fuzzy or thorny."

Here is my list, which is based on numerous articles, research, observation and experience. I'm focusing on three factors: deer-resistant, drought tolerance and low-maintenance.

Trees & Shrubs

(Tree trunks less than 3 inches need to be protected)

Aleppo pine (*Pinus halepensis*) – one of three pines adapted to the San Antonio area. It has a roundish canopy, with light to dark green 4- to 5-inch long needles.

Arizona cypress (*Cupressus arizonica*) – conical canopy, ranging in needle color from silver to green. Excellent living Christmas tree.

Cenizo (*Leucophyllum frutescens*) – known also as Texas sage or Texas ranger, cenizo is an evergreen shrub with predominately silver-gray leaves.

Escarpment live oak (*Quercus fusiformis*) – semi-evergreen large tree with a broad canopy. Live oak is probably our most adaptable tree.

Hollies (*Ilex* spp) – evergreen with thick, leathery and spiny leaves. The asian species and selections do best here.

Mexican buckeye (*Ungnadia speciosa*) – not a true buckeye and has pink spring flowers rather than white, but is adaptable to many different landscapes.

Mexican sycamore (*Platanus mexicana*) – a fast growing, almost semi-evergreen sycamore whose fuzzy, fragrant leaves are unpalatable to deer.

Texas mountain-laurel (*Sophora secundiflora*) – its fragrant flowers in the spring are a delight to people, but its thick tough leaves are not so palatable to deer.

Perennials

Damianita (*Chrysactinia mexicana*) – one of the most perfect xeric and deer-resistant plants available. Blooms yellow flowers from May to November and requires no supplemental water.

Germander (*Teucrium chamaedrys*) – germander comes in creeping and bush forms. Its foliage is grayish green and blooms blue flowers from April to November.

Herbs – no specific herbs, most are pungent enough as to be unpalatable to deer. Specifically, mint, oregano and thyme are on most deer-resistant lists.

Mexican mint marigold (*Tagetes lucida*) – tarragon flavored foliage makes this wonderful yellow fall blooming perennial deer-resistant.

Mexican oregano (*Polomintha longiflora*) – not a true oregano, but similar taste. Lavender flowers cover the plants throughout the summer.

Purple heart (*Tradescantia pallida*) – one of the most indestructible groundcovers available. Purple heart will grow in sun or shade and provides color with leaf and flower.

Rosemary (*Rosemarinus officinalis*) – second only to purple heart in destructibility. The most important pests: too much rain and humans. After establishment, rosemary does not require any supplemental water. Comes in two forms: upright and prostrate.

Salvia (*Salvia* spp) – any and all Salvias are deer-resistant. Salvias come in a multitude of colors and sizes.

Santolina (*Santolina virens*) – comes in a gray and green forms.

Turk's cap (*Malvaviscus drummondii*) – a most excellent understory perennial. Comes in red, pink and now yellow.

Vines

Crossvine (*Bignonia capreolata*) – somewhat evergreen with orange flowers in the spring. Deer will eat it, but crossvine will generally grow and recover quickly.

Queen's wreath or coral vine (*Antigonon leptopus*) – this vine is a rapid grower that produces pink flowers from July until the first freeze. Of course, deer will eat it, but regrowth is so fast the deer feasting is actually helpful in keeping it from getting to overgrown.

Annuals

Periwinkle (*Catharanthus roseus*) – the "Cora" series will grow in the cracks of sidewalks.

Zinnia (*Zinnia* spp) – zinnias come in a multitude of sizes and colors. Look for the 'Zahara,' 'Crystal,' and 'Profusion' series.

Many other lists are out there, some better than others. But stay with these 21 plants and you shouldn't have an issue with deer feasting voraciously on your landscape.

ASK THE GARDEN GEEK

*Need Tips for your garden or have questions
about conservation? Ask an Expert!*

SEND A
QUESTION



ABOUT OUR EXPERT

MARK PETERSON

Mark A. Peterson is a conservation project coordinator for San Antonio Water System. With over 30 years of experience as an urban forester and arborist, Mark is probably the only person you know who actually prunes trees for fun. When not expounding on

Landscape Plants Rated by Deer Resistance

Pedro Perdomo, Morris County Agricultural Agent

Peter Nitzsche, Morris County Agricultural Agent

David Drake, Ph.D., Extension Specialist in Wildlife Management

The following is a list of landscape plants rated according to their resistance to deer damage. The list was compiled with input from nursery and landscape professionals, Cooperative Extension personnel, and Master Gardeners in Northern N.J. Realizing that no plant is deer proof, plants in the *Rarely Damaged*, and *Seldom Rarely Damaged* categories would be best for landscapes prone to deer damage. Plants *Occasionally Severely Damaged* and *Frequently Severely Damaged* are often preferred by deer and should only be planted with additional protection such as the use of fencing, repellents, etc. Success of any of these plants in the landscape will depend on local deer populations and weather conditions.

Latin Name Common Name

ANNUALS

Rarely Damaged

<i>Ageratum houstonianum</i>	Ageratum
<i>Antirrhinum majus</i>	Snapdragon
<i>Brugmansia sp. (Datura)</i>	Angel's Trumpet
<i>Calendula sp.</i>	Pot Marigold
<i>Catharanthus rosea</i>	Annual Vinca
<i>Centaurea cineraria</i>	Dusty Miller
<i>Cleome sp.</i>	Spider Flower
<i>Consolida ambigua</i>	Larkspur
<i>Euphorbia marginata</i>	Snow-on-the-Mountain
<i>Helichrysum</i>	Strawflower
<i>Heliotropium arborescens</i>	Heliotrope
<i>Lobularia maritima</i>	Sweet Alyssum
<i>Matricaria sp.</i>	False Camomile
<i>Myosotis sylvatica</i>	Forget-Me-Not
<i>Nicotiana sp.</i>	Flowering Tobacco
<i>Papaver sp.</i>	Poppy
<i>Pimpinalla anisum</i>	Anise
<i>Rosmarinus officinalis</i>	Rosemary

Seldom Severely Damaged

<i>Anethum graveolens</i>	Dill
<i>Borage officinalis</i>	Borage
<i>Celosia sp.</i>	Cock's Comb
<i>Centaurea cyanus</i>	Bachelor's Buttons
<i>Cheiranthus sp.</i>	Wallflower
<i>Eschscholzia californica</i>	California Poppy
<i>Iberis umbellata</i>	Candytuft
<i>Lantana sp.</i>	Lantana
<i>Lobelia sp.</i>	Lobelia
<i>Matthiola sp.</i>	Stocks
<i>Ocimum basilicum</i>	Basil
<i>Perilla frutescens</i>	Shiso

Latin Name Common Name

<i>Petroselinum crispum</i>	Parsley
<i>Salvia</i>	Salvia
<i>Tagetes patula</i>	French Marigold
<i>Tropaeolum majus</i>	Nasturtium
<i>Verbena x hybrida</i>	Verbena
<i>Zinnia sp.</i>	Zinnia

Occasionally Severely Damaged

<i>Begonia semperflorens</i>	Wax Begonia
<i>Coleus sp.</i>	Coleus
<i>Cosmos sp.</i>	Cosmos
<i>Dahlia sp.</i>	Dahlia
<i>Gerbera jamesonii</i>	Gerbera Daisy
<i>Helianthus sp.</i>	Sunflower
<i>Impatiens balsamina</i>	Balsam, Touch-Me-Not
<i>Impatiens walleriana</i>	Impatiens
<i>Ipomea sp.</i>	Morning Glory
<i>Pelargonium sp.</i>	Geranium
<i>Petunia sp.</i>	Garden Petunia
<i>Viola sp.</i>	Pansy

BIENNIALS

Rarely Damaged

<i>Digitalis purpurea</i>	Common Foxglove
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Seldom Severely Damaged

<i>Dianthus barbatus</i>	Sweet William
<i>Lunaria annua</i>	Money Plant
<i>Myosotis alpestris</i>	Forget-Me-Not

Occasionally Severely Damaged

<i>Campanula medium</i>	Canterbury Bells
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Latin Name	Common Name
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BULBS

Rarely Damaged

<i>Allium sp.</i>	Ornamental Onion
<i>Colchicum sp.</i>	Autumn Crocus
<i>Endymion sp.</i>	Bluebell
<i>Eranthus hyemalis</i>	Winter Aconite
<i>Fritilaria imperialis</i>	Crown Imperial, Fritilia
<i>Galanthus nivalis</i>	Snowdrops
<i>Narcissus sp.</i>	Daffodil
<i>Scilla siberica</i>	Siberian Squill

Seldom Severely Damaged

<i>Camassia leichtlini</i>	Camassia
<i>Canna sp.</i>	Canna Lily
<i>Colocasia esculenta</i>	Elephant Ear
<i>Crocus sp.</i>	Crocus
<i>Gladiolus sp.</i>	Gladiolus
<i>Gloriosa superba</i>	Glory Lily
<i>Hyacinthus sp.</i>	Hyacinth
<i>Muscari sp.</i>	Grape Hyacinth
<i>Oxalis sp.</i>	Wood Sorrel
<i>Zantedeschia sp.</i>	Calla Lily

Occasionally Severely Damaged

<i>Caladium sp.</i>	Caladium
<i>Lilium sp.</i>	Garden Lily

Frequently Severely Damaged

<i>Tulip sp.</i>	Tulip
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FERNS

Rarely Damaged

<i>Athyrium goeringianum</i> (<i>nipponicum</i>)	Japanese Painted Fern
<i>Cyrtomium falcatum</i>	Holly Fern
<i>Dennstaedtia punctilobula</i>	Hayscented Fern
<i>Dryopteris marginalis</i>	Wood Fern
<i>Matteuccia struthiopteris</i>	Ostrich Fern
<i>Onoclea sensibilis</i>	Sensitive Fern
<i>Osmunda cinnamomea</i>	Cinnamon Fern
<i>Osmunda regalis</i>	Royal Fern
<i>Polystichum arcostichoides</i>	Christmas Fern
<i>Thelyptens noveboracensis</i>	New York Fern

GROUNDCOVERS

Rarely Damaged

<i>Aegopodium podagaria</i>	Bishop's Weed
<i>Ajuga reptans</i>	Bugleweed
<i>Arctostaphylos uva-ursi</i>	Bearberry
<i>Convallaria majalis</i>	Lily of the Valley
<i>Epimedium sp.</i>	Barrenwort
<i>Galium odoratum</i> (<i>Asperula odorata</i>)	Sweet Woodruff
<i>Lamium sp.</i>	Spotted Deadnettle
<i>Pachysandra procumbens</i>	Allegheny Spurge
<i>Pachysandra terminalis</i>	Pachysandra

Latin Name	Common Name
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Seldom Severely Damaged

<i>Ceratostigma plumbaginoides</i>	Plumbago
<i>Gaultheria procumbens</i>	Creeping Wintergreen
<i>Liriope sp.</i>	Lilyturf
<i>Vinca major</i>	Large Periwinkle
<i>Vinca minor</i>	Periwinkle

Occasionally Severely Damaged

<i>Euonymus fortunei</i>	Wintercreeper
<i>Hedera helix</i>	English Ivy

ORNAMENTAL GRASSES

Rarely Damaged

<i>Acorus sp.</i>	Japanese Sweet Flag
<i>Andropogon sp.</i>	Big Bluestem
<i>Arrhenatherum elatius</i>	Varigated Oat Grass
<i>Arundo donax</i>	Giant Reed
<i>Calamagrostis sp.</i>	Feather Reed Grass
<i>Carex sp.</i>	Japanese Sedge
<i>Chasmanthium latifolium</i>	Northern Sea Oats
<i>Cortaderia selloana</i>	Pampus Grass
<i>Eragrostus curvula</i>	Weeping Love Grass
<i>Erianthus ravennae</i>	Ravenna Grass
<i>Fargesia sp.</i>	Clump Bamboo
<i>Festuca glauca</i>	Blue Fescue
<i>Hakonechloa macra</i>	Hakonechloa
<i>Helictotrichon sempervirens</i>	Blue Oat Grass
<i>Imperata cylindrica</i>	Japanese Blood Grass
<i>Juncus Effusus</i>	Hard Rush
<i>Koeleria glauca</i>	Large Blue June Grass
<i>Leymus arenarius glaucous</i>	Lyme Grass
<i>Miscanthus floridulus</i>	Giant Japanese Silver Grass
<i>Miscanthus sinensis</i>	Japanese Silver Grass
<i>Molinia caerulea</i>	Purple Moor Grass
<i>Molinia caerulea</i> 'Variegata'	Variegated Purple Moor Grass
<i>Panicum virgatum</i>	Switch Grass
<i>Pennisetum alopecuroides</i>	Fountain Grass
<i>Pennisetum orientale</i>	Oriental Fountain Grass
<i>Phyllostachys aurea</i>	Golden Bamboo
<i>Schizachyrium scoparium</i>	Little Bluestem
<i>Sorghastrum nutans</i>	Indian Grass

Seldom Severely Damaged

<i>Bambusa sp.</i>	Bamboo
<i>Carex pendula</i>	Drooping Sedge
<i>Hystrix patula</i>	Bottlebrush Grass
<i>Ophiopogon japonicus</i>	Dwarf Mondo Grass
<i>Phalaris arundinaceae</i>	Ribbon Grass
<i>Scirpus lacustris</i>	Sedge

PERENNIALS

Rarely Damaged

<i>Aconitum sp.</i>	Monkshood
<i>Agastache sp.</i>	Anise Hyssop
<i>Allium sp.</i>	Ornamental Onion
<i>Arabis caucasica</i>	Rock-Cress

Latin Name

Arisaema triphyllum
Armoracia rusticana
Artemisia dracunculus
Artemisia sp.
Asarum canadense
Asarum europaeum
Aubretia deltoidea
Aurinia saxatilis
Baptisia australis
Brunneria macrophylla
 (Brunnera)
Cactaceae sp.
Coreopsis verticillata
Corydalis sp.
Dicentra eximia
Dicentra spectabilis
Echinops ritro
Euphorbia sp. (except
 "Chameleon")
Helleborus sp.
Hesperis matronalis
Hyssopus officinalis
Iris sp. (may eat buds)
Lavandula sp.
Ligularia dentata
Ligularia 'The Rocket'
Limonium latifolium
Linaria vulgaris
Lychnis coronaria
Majorana
Marrubium vulgare
Melissa officinalis
Mentha sp.
Myosotis sp.
Nepeta sp.
Oreganum sp.
Paeonia sp. (may eat buds)
Perovskia atriplicifolia
Phlomis sp.
Podophyllum
Potentilla sp.
Pulmonaria sp.
Ranunculus sp.
Rodgersia sp.
Ruta sp.
Salvia officinalis
Santolina chamaecyparissus
Stachys byzantina
Tanacetum vulgare
Teucrium Chamaedrys
Thalictrum sp.
Thymus sp.
Yucca filamentosa

Common Name

Jack-in-the-pulpit
 Horseradish
 Tarragon
 Silver Mound
 Wild Ginger
 European Ginger
 Purple Rock-Cress
 Basket of Gold
 False Indigo
 Siberian Bugloss

 Cactus
 Threadleaf Coreopsis
 Corydalis
 Fringed Bleeding Heart
 Bleeding Heart
 Small Globe Thistle
 Spurge

 Lenton or Christmas Rose
 Dame's Rocket
 Hyssop
 Iris
 Lavendar
 Bigleaf Goldenray
 Rocket Ligularia
 Statice
 Butter & Eggs
 Rose Campion
 Marjoram
 Horehound
 Lemon Balm
 Mint
 Forget-Me-Not
 Catmint
 Oregano
 Peony
 Russian Sage
 Greek Jerusalem Sage
 May Apple
 Potentilla, Cinquefoil
 Lungwort
 Buttercup
 Rodgers Flower
 Rue
 Garden Sage
 Lavender-Cotton
 Lamb's Ear
 Common Tansy
 Germander
 Meadow Rue
 Thyme
 Yucca

Seldom Severely Damaged

Achillea filipendulina
Achillea millefolium
Agapanthus sp.
Alchemilla sp.

Yarrow
 Common Yarrow
 African Lily
 Ladys' Mantle

Latin Name

Anchusa sp.
Anemone x hybrida
Anemonella thalictroides
Aquilegia sp.
Armeria maritima
Asclepias incarnata
Asclepias tuberosa
Asparagus officinalis
Aster sp.
Astilbe sp.
Bergenia sp.
Boltonia asteroides
Cerastium
Chrysanthemum parthenium
Cimicifuga sp.
Coreopsis lanceolata
Croscosmia sp.
Cyclamen sp.
Delphinium sp.
Dianthus sp.
Dictamnus alba
Digitalis grandiflora
Echinacea purpurea
Erythronium
Eupatorium coelestinum
Eupatorium rugosum
Geranium macrorrhizum
Gypsophila sp.
Helenium autumnale
Heuchera sp.
Hypericum calycinum
Iberis sempervirens
Kirengeshoma palmata
Kniphofia tritoma
Liatris sp.
Lobelia sp.
Lupinus sp.
Lychnis chalcidonica
Macleaya cordata
Mertensia virginica
Monarda didyma
Papaver orientale
Patrinia scabiosifolia
Physostegia sp.
Polemonium caeruleum
Primula sp.
Rheum rhabarbarum
Rudbeckia sp.
Salvia nemorosa
Saponaria sp.
Satureja montana
Scabiosa caucasica
Sempervivum sp.
Solidago sp.
Stokesia laevis
Symplocarpos foetidus
Tiarella cordifolia
Tradescantia sp.
Tricyrtis hirta

Common Name

Bugloss
 Japanese Anemone
 Rue Anemone
 Columbine
 Sea Thrift
 Swamp Milkweed
 Butterfly Weed
 Asparagus
 Aster
 Astilbe
 Heartleaf Bergenia
 White Boltonia
 Snow-in-Summer
 Feverfew
 Snakeroot, Bugbane
 Lance Coreopsis
 Crocosmia
 Cyclamen
 Delphinium
 Carnation, Pinks
 Gas Plant
 Yellow Foxglove
 Purple Coneflower
 Trout Lily
 Mist Flower
 White Snakeroot
 Hardy Geranium
 Baby's Breath
 Sneezeweed
 Coralbells
 St. John's Wort
 Candytuft
 Yellow Wax-Bells
 Red-Hot Poker
 Blazing Star
 Cardinal Flower
 Lupine
 Maltese Cross
 Plume Poppy
 Virginia Bluebells
 Beebalm
 Oriental Poppy
 Patrinia
 Obedient Plant
 Jacob's Ladder
 Primrose
 Rhubarb
 Black-Eyed Susan
 Meadow Sage
 Soapwort
 Savory
 Pincushin Flower
 Hens and Chickens
 Goldenrod
 Stokes' Aster
 Skunk Cabbage
 Foam Flower
 Spiderwort
 Toad Lily

Latin Name	Common Name
<i>Trillium sp.</i>	Trillium
<i>Verbascum sp.</i>	Mullein
<i>Veronica sp.</i>	Speedwell
<i>Viola sp.</i>	Violets

Occasionally Severely Damaged

<i>Alcea sp.</i>	Hollyhock
<i>Aruncus sp.</i>	Goat's Beard
<i>Begonia grandis</i>	Hardy Begonia
<i>Bellis perennis</i>	English Daisy
<i>Campanula glomerata</i>	Bellflower
<i>Centaurea montana</i>	Mountain Bluet
<i>Chelone sp.</i>	Pink Turtlehead
<i>Chrysanthemum</i>	Fall Mums
<i>Chrysanthemum superbum</i>	Shasta Daisy
<i>Erigeron sp.</i>	Fleabane
<i>Euphorbia dulcis</i> 'Chameleon'	Spurge
<i>Filipendula sp.</i>	Meadowsweet
<i>Gaillardia sp.</i>	Blanket Flower
<i>Geranium clarkei</i>	Hardy Geranium
<i>Geranium sanguineum</i>	Hardy Geranium
<i>Geranium x cantabrigiense</i>	Hardy Geranium
<i>Geum sp.</i>	Geum, Avens
<i>Hemerocallis sp.</i>	Daylily
<i>Hibiscus moscheutos</i>	Rose Mallow
<i>Leucanthemum maximum</i>	Shasta Daisy
<i>Lysimachia clethroides</i>	Gooseneck Loosestrife
<i>Lythrum sp.</i>	Purple Loosestrife
<i>Oenothera sp.</i>	Sundrops
<i>Penstemon sp.</i>	Penstemon
<i>Phlox sp.</i>	Phlox
<i>Platycodon grandiflorus</i>	Balloon Flower
<i>Polygonatum sp.</i>	Solomon's Seal
<i>Sedum spectabile</i>	Showy Sedum
<i>Sidalcea malviflora</i>	Checkermallow
<i>Symphytum officinale</i>	Comfrey
<i>Trollius sp.</i>	Globeflower

Frequently Severely Damaged

<i>Eryngium sp.</i>	Sea-Holly
<i>Fragaria sp.</i>	Strawberry
<i>Geranium endressii</i>	Hardy Geranium
<i>Hosta sp.</i>	Hosta
<i>Pardancanda x norrisii</i>	Candy Lily

SHRUBS

Rarely Damaged

<i>Aralia spinosa</i>	Devil's Walking Stick
<i>Berberis sp.</i>	Barberry
<i>Buddleia sp.</i>	Butterfly Bush
<i>Buxus sempervirens</i>	Common Boxwood
<i>Calliuna sp.</i>	Heather
<i>Caryopteris clandonensis</i>	Blue Mist Shrub
<i>Cephalotaxus harringtonia</i>	Japanese Plum Yew
<i>Cytisus sp.</i>	Broom
<i>Daphne sp.</i>	Daphne
<i>Elaeagnus angustifolia</i>	Russian Olive

Latin Name	Common Name
<i>Erica sp.</i>	Heath
<i>Ilex x 'John T. Morris'</i>	John T. Morris Holly
<i>Ilex x 'Lydia Morris'</i>	Lydia Morris Holly
<i>Juniperus horizontalis</i> 'Prince of Wales'	Prince of Wales Juniper
<i>Juniperus scopulorum</i> 'Moonglow'	Moonglow Juniper
<i>Leucothoe fontanesiana</i>	Drooping Leucothoe
<i>Mahonia aquifolium</i>	Oregon Grape Holly
<i>Mahonia bealei</i>	Leatherleaf Mahonia
<i>Microbiota decussata</i>	Russian Cypress
<i>Myrica pensylvanica</i>	Bayberry
<i>Pieris floribunda</i>	Mountain Pieris
<i>Pieris japonica</i>	Japanese Pieris, Andromeda
<i>Potentilla fruticosa</i>	Bush Cinquefoil
<i>Rhus aromatica</i>	Fragrant Sumac
<i>Sambucus racemosa</i>	Red Elderberry
<i>Sarcococca hookeriana</i>	Sweet Box
<i>Skimmia japonica</i>	Japanese Skimmia
<i>Viburnum dentatum</i>	Arrowwood Viburnum

Seldom Severely Damaged

<i>Abelia sp.</i>	Glossy Abelia
<i>Abies balsamea</i>	Dwarf Balsam Fir
<i>Andromeda polifolia</i>	Bog Rosemary
<i>Aronia arbutifolia</i>	Red Chokeberry
<i>Aucuba japonica</i>	Goldust Plant
<i>Callicarpa sp.</i>	Beautyberry
<i>Calycanthus floridus</i>	Common Sweetshrub
<i>Calycanthus occidentalis</i>	California Sweetshrub
<i>Chaenomeles japonica</i>	Japanese Flowering Quince
<i>Clerodendrum fargesii</i>	Harlequin Glorybower
<i>Clethra sp.</i>	Sweet Pepperbush
<i>Cornus alba</i>	Red Twigged Dogwood
<i>Cornus sericea</i>	Red Osier Dogwood
<i>Corylus sp.</i>	Hazelnut
<i>Cotinus coggygria</i>	Smokebush
<i>Cotoneaster apiculatus</i>	Cranberry Cotoneaster
<i>Cotoneaster congestus</i>	Pyrenees Cotoneaster
<i>Cotoneaster dammeri</i>	Bearberry Cotoneaster
<i>Cotoneaster horizontalis</i>	Rockspray Cotoneaster
<i>Cotoneaster salicifolius</i>	Willowleaf Cotoneaster
<i>Deutzia sp.</i>	Deutzia
<i>Elaeagnus umbellatus</i>	Autumn Olive
<i>Enkianthus campanulatus</i>	Redvein Enkianthus
<i>Forsythia x intermedia</i>	Forsythia
<i>Fothergilla sp.</i>	Fothergillia
<i>Halesia carolina</i>	Carolina Silverbell
<i>Hamamelis virginiana</i>	Common Witchhazel
<i>Hibiscus syriacus</i>	Rose of Sharon
<i>Hippophae rhamnoides</i>	Sea Buckthorn
<i>Hypericum prolificum</i>	St. John's Wort
<i>Ilex aquifolium</i>	English Holly
<i>Ilex cornuta</i>	Chinese Holly
<i>Ilex glabra</i>	Inkberry
<i>Ilex verticillata</i>	Winterberry Holly
<i>Itea virginica</i>	Virginia Sweetspire
<i>Juniperus chinensis</i> 'Armstrongii'	Armstrong Juniper

Latin Name

Juniperus chinensis cv.*
Juniperus chinensis 'Pfitzerana'
Juniperus horizontalis cv.*
Juniperus horizontalis
 'Youngstown'

Juniperus procumbens 'Nana'
Juniperus sabin cv.
Juniperus scopulorum cv.*
Juniperus squamata 'Blue Star'
Juniperus squamata cv.*
Kerria japonica
Kolkwitzia amabilis
Lagerstroemia indica
Leucothoe axillaris
Ligustrum sp.
Lindera benzoin
Magnolia x soulangiana
Osmanthus heterophyllus
Philadelphus coronarius
Pinus mugo
Prunus laurocerasus
Pyracantha coccinea
Rhamnus sp.
Ribes sp.
Rubus sp.
Sambucus canadensis
Spiraea japonica
Spiraea prunifolia
Spiraea x bumalda
Symphoricarpos albus
Symphoricarpos x chenaultii
Syringa reticulata
Syringa vulgaris
Viburnum carlesii
Viburnum opulus
Viburnum plicatum
 tomentosum
Viburnum prunifolium
Viburnum rhytidophyllum
Viburnum x juddii
Weigela florida

Common Name

Chinese Juniper
 Pfitzer Juniper
 Creeping Juniper
 Youngstown Andorra Juniper
 Japanese Garden Juniper
 Savin/Tam Juniper
 Mountain Juniper
 Blue Star Juniper
 Singleseed Juniper
 Japanese Kerria
 Beautybush
 Crape Myrtle
 Coast Leucothoe
 Privet
 Spicebush
 Saucer Magnolia
 Holly Osmanthus
 Sweet Mock Orange
 Mugo Pine
 Cherry Laurel
 Firethorn
 Buckthorn
 Currant
 Brambles
 Blueberry Elder, Sweet Elder
 Japanese Spirea
 Bridalwreath Spirea
 Anthony Waterer Spirea
 Snowberry
 Coralberry
 Japanese Tree Lilac
 Common Lilac
 Koreanspice Viburnum
 Cranberry Bush
 Doublefile Viburnum
 Blackhaw Viburnum
 Leatherleaf Viburnum
 Judd Viburnum
 Weigela

Occasionally Severely Damaged

Cornus racemosa
Cornus sanguinea
Corylopsis glabrescens
Euonymus alata
Euonymus japonica
Hydrangea arborescens
Hydrangea macrophylla
Hydrangea paniculata
Hydrangea quercifolia
Ilex crenata
Ilex x meserveae
Juniperus conferta
Kalmia latifolia
Nandina sp.

Panicle Dogwood
 Bloodtwig Dogwood
 Fragrant Winterhazel
 Winged Euonymus
 Japanese Euonymus
 Smooth Hydrangea
 Bigleaf Hydrangea
 Panicle Hydrangea
 Oakleaf Hydrangea
 Japanese Holly
 Blue Holly
 Shore Juniper
 Mountain Laurel
 Heavenly Bamboo

Latin Name

Prunus x cistena
Rhododendron carolinianum
Rhododendron catawbiense
Rhododendron maximum
Rhododendron sp.*
Rosa multiflora
Rosa rugosa
Rosa x hybrid
Syringa villosa
Syringa x chinensis
Syringa x persica
Vaccinium corymbosum

Common Name

Purple Leaf Sand Cherry
 Carolina Rhododendron
 Catawba Rhododendron
 Rosebay Rhododendron
 Deciduous Azaleas
 Multiflora Rose
 Rugosa Rose
 Hybrid Tea Rose
 Late Lilac
 Chinese Lilac
 Persian Lilac
 Highbush Blueberry

Frequently Severely Damaged

Euonymus fortunei
Rhododendron penclymenoides
Rhododendron sp.*
Rhododendron sp.*
Taxus sp.

Wintercreeper
 Pinxterbloom Azalea
 Evergreen Azaleas
 Rhododendrons
 Yews

TREES**Rarely Damaged**

Aesculus parviflora
Albizia julibrissin
Asimina triloba
Betula nigra
Betula papyrifera
Cercidiphyllum japonicum
Ilex opaca
Picea glauca 'Conica'
Pinus resinosa
Pinus rigida
Pinus thunbergiana

Bottlebrush Buckeye
 Mimosa
 Pawpaw
 River Birch
 Paper Birch
 Katsura Tree
 American Holly
 Dwarf Alberta Spruce
 Red Pine
 Pitch Pine
 Japanese Black Pine

Seldom Severely Damaged

Acer griseum
Acer palmatum
Acer pensylvanicum
Acer rubrum
Acer saccharum
Aesculus x carnea
Amelanchier arborea
Amelanchier canadensis
Amelanchier laevis
Betula albo-sinensis
Betula jacquemontii
Betula lutea
Betula pendula
Chaenomeles speciosa
Chamaecyparis pisifera
Chionanthus retusus
Cornus kousa
Crataegus laevigata
Cryptomeria japonica
Fagus sylvatica
Fraxinus pennsylvanica

Paperbark Maple
 Japanese Maple
 Striped Maple
 Red Maple
 Sugar Maple
 Ruby Horsechestnut
 Downy Serviceberry
 Shadbush
 Allegheny Serviceberry
 Chinese Paper Birch
 Himalayan Birch
 Yellow Birch
 European White Birch
 Common Flowering Quince
 Japanese Falsecypress
 Chinese Fringe Tree
 Kousa Dogwood
 English Hawthorn
 Japanese Cedar
 European Beech
 Green Ash

*Check other rating categories to find additional species or cultivars of this genus.

Latin Name	Common Name
<i>Fraxinus excelsior</i>	European Ash
<i>Gleditsia triacanthos</i>	Honey Locust
<i>Ilex x aquipernyi</i>	Dragon Lady, San Jose Holly
<i>Juniperus virginiana</i>	Eastern Red Cedar
<i>Koeleruteria paniculata</i>	Goldenrain Tree
<i>Liriodendron tulipifera</i>	Tulip Tree
<i>Metasequoia glyptostroboides</i>	Dawn Redwood
<i>Oxydendrum arboreum</i>	Sourwood
<i>Picea abies</i>	Norway Spruce
<i>Picea glauca</i>	White Spruce
<i>Picea omorika</i>	Serbian Spruce
<i>Picea pungens</i>	Colorado Blue Spruce
<i>Pinus densiflora</i>	Japanese Red Pine
<i>Pinus nigra</i>	Austrian Pine
<i>Pinus strobus</i>	Eastern White Pine
<i>Pinus sylvestris</i>	Scotch Pine
<i>Prunus serrulata</i>	Japanese Flowering Cherry
<i>Pseudotsuga menziesii</i>	Douglas Fir
<i>Salix matsudana tortuosa</i>	Corkscrew Willow
<i>Sassafras albidum</i>	Common Sassafras

Occasionally Severely Damaged

<i>Abies balsamea</i>	Balsam Fir
<i>Abies concolor</i>	White Fir
<i>Abies fraseri</i>	Fraser Fir
<i>Acer platanoides</i>	Norway Maple
<i>Acer saccharinum</i>	Silver Maple
<i>Aesculus hippocastanum</i>	Common Horsechestnut
<i>Cedrus atlantica</i>	Atlas Cedar
<i>Cercis canadensis</i>	Eastern Redbud
<i>Chamaecyparis obtusa</i>	Hinoki Cypress
<i>Chamaecyparis thyoides</i>	Atlantic White Cedar
<i>Chionanthus virginicus</i>	White Fringe Tree
<i>Cornus alternifolia</i>	Alternate-Leaved Dogwood
<i>Cornus florida</i>	Flowering Dogwood
<i>Cornus mas</i>	Cornelian Cherry
<i>Cupressocyparis leylandii</i>	Leyland Cypress
<i>Ilex pernyi</i>	Pernyi Holly
<i>Ilex x 'Nellie R. Stevens'</i>	Nellie Stevens Holly
<i>Larix decidua</i>	European Larch
<i>Liquidambar styraciflua</i>	Sweetgum

Latin Name	Common Name
<i>Malus sp.</i>	Apples
<i>Prunus avium</i>	Sweet Cherry
<i>Pyrus calleryana</i>	Callery Pear
<i>Pyrus communis</i>	Common Pear
<i>Quercus alba</i>	White Oak
<i>Quercus prinus</i>	Chestnut Oak
<i>Quercus rubra</i>	Northern Red Oak
<i>Rhus typhina</i>	Staghorn Sumac
<i>Robinia pseudoacacia</i>	Black Locust
<i>Salix sp.*</i>	Willows
<i>Taxodium distichum</i>	Bald Cypress
<i>Thuja plicata</i>	Western Arborvitae
<i>Tilia americana</i>	Basswood
<i>Tilia cordata 'Greenspire'</i>	Greenspire Littleleaf Linden
<i>Tsuga canadensis</i>	Eastern Hemlock
<i>Tsuga caroliniana</i>	Carolina Hemlock

Frequently Severely Damaged

<i>Prunus sp.</i>	Plums
<i>Prunus sp.*</i>	Cherries
<i>Sorbus aucuparia</i>	European Mountain Ash
<i>Thuja occidentalis</i>	American Arborvitae

VINES

Seldom Severely Damaged

<i>Celastrus scandens</i>	American Bittersweet
<i>Jasminum nudiflorum</i>	Winter Jasmine
<i>Wisteria floribunda</i>	Wisteria

Occasionally Severely Damaged

<i>Campsis radicans</i>	Trumpet Creeper
<i>Clematis sp.</i>	Clematis
<i>Hedera helix</i>	English Ivy
<i>Hydrangea anomala petiolaris</i>	Climbing Hydrangea
<i>Lonicera x heckrottii</i>	Goldflame Honeysuckle
<i>Parthenocissus quinquefolia</i>	Virginia Creeper

Frequently Severely Damaged

<i>Euonymus fortunei</i>	Wintercreeper
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*Check other rating categories to find additional species or cultivars of this genus.

Special thanks to our cooperators on this project:

Helen Heinrich, Certified Landscape Architect; James Messina, Certified Landscape Architect, Landscape Plus;
Valerie Sudal, Garden Writer, The Newark Star-Ledger; and numerous landscapers, Master Gardeners, and
nurserymen who provided ratings.

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**RUTGERS COOPERATIVE RESEARCH & EXTENSION
N.J. AGRICULTURAL EXPERIMENT STATION
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY
NEW BRUNSWICK**

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Deer Resistant Plants

**Compiled by:
Lady Bird Johnson Wildflower Center
at The University of Texas
4801 La Crosse Ave.
Austin, Texas 78739**

[www. wildflower.org/collections/](http://www.wildflower.org/collections/)

Deer Resistant Species

Few plants are completely deer resistant. Several factors influence deer browsing including the density of the deer population, environmental conditions such as drought, and plant palatability. Deer tend to avoid plants with aromatic foliage, tough leathery and/or hairy or prickly leaves or plants with milky latex or sap. Try using some of the plants listed here to minimize deer damage to your landscape.

Scientific Name	Common Name	Duration	Habit	Sun	Water
<i>Abutilon incanum</i>	Pelotazo, Indian mallow, Shrubby Indian mallow	Perennial	Shrub	Sun	Dry
<i>Acalypha radians</i>	Cardinal's feather, Cardinal feather	Perennial	Herb	Sun	Dry
<i>Acer grandidentatum</i>	Bigtooth maple, Big-toothed maple, Uvalde bigtooth maple, Southwestern bigtooth maple, Canyon maple, Sabinal maple, Western sugar maple	Perennial	Shrub, Tree	Sun	Moist
<i>Adiantum capillus-veneris</i>	Southern maidenhair fern, Common maidenhair fern, Maidenhair fern, Venus hair fern	Perennial	Fern	Shade, Part-shade	Wet, Moist
<i>Aesculus pavia</i>	Scarlet Buckeye, Red buckeye, Firecracker plant	Perennial	Shrub, Tree	Part-shade	Moist
<i>Aesculus pavia</i> var. <i>flavescens</i>	Texas yellow buckeye, Yellow woolly buckeye, Pale buckeye, Plateau yellow buckeye	Perennial	Shrub, Tree	Part-shade	Moist
<i>Aesculus pavia</i> var. <i>pavia</i>	Scarlet buckeye, Red buckeye, Southern buckeye, Firecracker plant	Perennial	Shrub, Tree	Part-shade	Moist, Dry
<i>Agave americana</i>	American century plant, Century plant	Perennial	Cactus/Succulent	Sun	Dry
<i>Agave havardiana</i>	Havard's century plant, Havard agave	Perennial	Subshrub	Sun	Dry
<i>Agave univittata</i>	Maguey mezortillo, Thorncrest century plant	Perennial	Herb, Cactus/Succulent	Sun	Dry
<i>Ageratina havanensis</i>	Shrubby boneset, White mistflower, White shrub mistflower, Havana snakeroot, Mistflower	Perennial	Shrub	Sun	Dry
<i>Allium canadense</i>	Meadow garlic, Wild garlic, Wild onion	Perennial	Grass/Grass-like	Sun	Moist
<i>Allium drummondii</i>	Drummond's onion, Wild Garlic, Drummond wild onion	Perennial	Herb	Sun	Dry
		Perennial	Shrub		Moist

<i>Allowissadula holosericea</i>	Chisos Mountain false Indianmallow, Chisos Mtn. False Indian-mallow, Velvet-leaf Mallow			Part-shade	
<i>Aloysia gratissima</i>	Whitebrush, Bee-brush, White-brush, Common bee-brush, Beebrush, Privet lippia	Perennial	Shrub	Sun, Part-shade	Moist
<i>Aloysia macrostachya</i>	Rio Grande beebrush, Woolly Bee-brush	Perennial	Shrub	Sun	Moist
<i>Amorpha fruticosa</i>	Indigo bush, False indigo bush, False indigo, Desert false indigo	Perennial	Shrub	Sun, Part-shade	Moist
<i>Amorpha roemeriana</i>	Roemer's false indigo	Perennial	Shrub	Part-shade	Moist, Dry
<i>Andropogon gerardii</i>	Big bluestem, Tall bluestem, Turkeyfoot	Perennial	Grass/Grass-like	Sun, Part-shade	Moist
<i>Andropogon glomeratus</i>	Bushy bluestem, Brushy bluestem	Perennial	Grass/Grass-like	Sun	Wet, Moist
<i>Anemone edwardsiana</i>	Edwards Plateau thimbleweed, Two-flowered Anemone	Perennial	Herb	Shade	
<i>Anisacanthus quadrifidus</i> var. <i>wrightii</i>	Flame acanthus, Hummingbird bush, Wright's desert honeysuckle, Wright acanthus, Mexican flame, Wright's Mexican flame	Perennial	Shrub	Sun, Part-shade	Moist, Dry
<i>Aphanostephus riddellii</i>	Lazy Daisy, Riddell's dozedaisy	Perennial	Herb	Sun	Moist
<i>Aquilegia canadensis</i>	Eastern red columbine, Wild red columbine	Perennial	Herb	Shade, Part-shade	Moist, Dry
<i>Aquilegia chrysantha</i> var. <i>hinckleyana</i>	Hinckley's golden columbine, Yellow columbine, Hinckley columbine, Capote columbine	Perennial	Herb	Shade, Part-shade	Moist
<i>Argemone albiflora</i>	Bluestem pricklypoppy, White pricklypoppy	Annual	Herb	Part-shade	Dry
<i>Arisaema dracontium</i>	Green dragon, Dragonroot, Greendragon	Perennial	Herb	Sun, Shade	Moist
<i>Aristida oligantha</i>	Prairie threeawn, Oldfield (Prairie) 3-awn, Oldfield threeawn	Annual	Grass/Grass-like	Sun	Dry
<i>Aristida purpurea</i>	Purple threeawn, Purple 3-awn, Purple three-awn, Red threeawn	Annual	Grass/Grass-like	Sun	Dry
<i>Aristida purpurea</i> var. <i>purpurea</i>	Purple threeawn, Red threeawn	Perennial	Grass/Grass-like	Sun	Moist

<i>Arnoglossum plantagineum</i>	Groovestem Indian plantain, Indian plantain, Prairie plantain, Prairie Indian plantain	Perennial	Herb	Sun	Moist
<i>Artemisia palmeri</i>	San Diego sagebrush, San Diego sagewort	Perennial	Subshrub	Sun	Moist
<i>Asclepias asperula</i>	Antelope horns, Spider milkweed, Green-flowered milkweed, Spider antelope-horns	Perennial	Herb	Sun	Moist, Dry
<i>Asclepias incarnata</i>	Swamp milkweed, Pink Milkweed	Perennial	Herb	Sun, Part-shade	Wet, Moist
<i>Asclepias oenotheroides</i>	Zizotes milkweed, Hierba de zizotes, Side-cluster milkweed, Longhorn milkweed, Primrose milkweed, Lindheimer's milkweed	Perennial	Herb	Sun	Dry
<i>Asclepias tuberosa</i>	Butterflyweed, Butterfly milkweed, Orange milkweed, Pleurisy root, Chigger flower	Perennial	Herb	Sun	Moist, Dry
<i>Asclepias viridis</i>	Green milkweed, Green antelopehorn	Perennial	Herb	Sun	Moist
<i>Baccharis neglecta</i>	False Willow, Jara dulce, Poverty Weed, Roosevelt Weed	Perennial	Shrub	Part-shade	Dry
<i>Bacopa monnieri</i>	Herb-of-grace, Water hyssop, Coastal Water-hyssop	Perennial	Herb	Sun, Part-shade	Wet, Moist
<i>Bauhinia lunarioides</i>	Anacacho orchid tree, Anacacho bauhinia, Orchid tree, Texas plume	Perennial	Tree	Part-shade	Dry
<i>Berlandiera betonicifolia</i>	Texas greeneyes, Broochflower	Perennial	Herb	Part-shade	Moist
<i>Berlandiera lyrata</i>	Chocolate daisy, Chocolate flower, Lyreleaf greeneyes, Green-eyed lyre leaf	Perennial	Herb	Sun, Part-shade	Moist
<i>Bignonia capreolata</i>	Crossvine	Perennial	Vine	Sun, Part-shade	Moist, Dry
<i>Bothriochloa laguroides</i> ssp. <i>torreyana</i>	Silver Beard Grass, Silver beardgrass, Silver Bluestem	Perennial	Grass/Grass-like	Sun	Moist, Dry
<i>Bouchea linifolia</i>	Flaxleaf bouchea, Groovestem bouchea	Perennial	Herb	Sun	Dry
<i>Bouchetia erecta</i>	Erect Bouchetia, Painted-tongue, Painted tongue, Painted Tongue	Perennial	Herb	Sun	Moist
<i>Bouteloua curtipendula</i>		Perennial	Grass/Grass-like		

	Sideoats grama, Banderilla, Banderita, Navajita			Sun, Part- shade	Moist, Dry
<i>Bouteloua dactyloides</i>	Buffalograss, Buffalo grass	Perennial	Grass/Grass-like	Sun	Dry
<i>Bouteloua rigidiseta</i>	Texas grama	Perennial	Grass/Grass-like	Sun	Dry
<i>Brickellia cylindracea</i>	Gravel-bar brickellbush	Perennial	Herb	Sun, Part- shade	Moist, Dry
<i>Buddleja marrubiifolia</i>	Woolly butterflybush, Butterfly bush, Woolly Butterfly-bush	Perennial	Shrub	Part- shade	Dry
<i>Callirhoe involucrata</i>	Winecup, Purple poppy mallow	Perennial	Herb	Sun, Part- shade	Moist, Dry
<i>Callirhoe involucrata</i> var. <i>lineariloba</i>	White poppymallow, Winecup, Poppy mallow, White winecup, Purple poppy mallow	Perennial	Herb	Sun	Moist, Dry
<i>Callirhoe leiocarpa</i>	Tall poppymallow, Annual winecup, Tall poppy-mallow	Annual	Herb	Part- shade	Moist
<i>Callirhoe pedata</i>	Palmleaf Poppymallow, Standing Winecup, Finger Poppymallow	Perennial	Herb	Sun, Part- shade	Moist, Dry
<i>Calylophus berlandieri</i>	Berlandier's sundrops , Square-bud primrose, Sundrops	Perennial	Herb	Sun, Part- shade	Moist
<i>Calylophus berlandieri</i> ssp. <i>pinifolius</i>	Berlandier's sundrops, Square-bud primrose, Sundrops, Square-bud day- primrose	Perennial	Shrub	Part- shade	Dry
<i>Campsis radicans</i>	Trumpet creeper, Trumpet vine, Common trumpet creeper, Cow vine, Foxglove vine, Hellvine, Devil's shoestring	Perennial	Vine	Sun	Moist, Dry
<i>Canna flaccida</i>	Bandanna of the Everglades, Golden canna	Perennial	Herb	Sun	Wet
<i>Canna glauca</i>	Water Canna, Louisiana Canna, Maraca amarilla	Perennial	Herb	Sun, Part- shade	Wet, Moist
<i>Capsicum annuum</i>	Chile pequin, Chile petin, Bird pepper, Turkey pepper , Cayenne pepper	Annual, Perennial	Herb	Sun, Shade, Part- shade	Moist
<i>Capsicum annuum</i> var. <i>glabriusculum</i>	Chile Pequin, Chile Tepin, Bird Pepper, Turkey Pepper, Cayenne Pepper	Annual	Subshrub		
<i>Carex blanda</i>		Perennial	Grass/Grass-like	Sun, Shade,	Moist, Dry

	Eastern woodland sedge, Creek sedge, Common wood sedge			Part- shade	
<i>Carex cherokeensis</i>	Cherokee sedge	Perennial	Grass/Grass-like	Part- shade	Wet, Moist
<i>Carex perdentata</i>	Sand sedge, Meadow Sedge	Perennial	Grass/Grass-like	Sun	Moist
<i>Carex texensis</i>	Texas sedge	Perennial	Grass/Grass-like	Sun, Part- shade	Moist, Dry
<i>Ceanothus herbaceus</i>	Prairie redroot, Smaller redroot, Small redroot, Inland Ceanothus, Fuzzy Ceanothus, Jersey tea, Redroot	Perennial	Shrub	Sun	Dry
<i>Celtis laevigata</i>	Sugar hackberry, Texas sugarberry, Sugarberry, Southern hackberry, Lowland hackberry, Hackberry, Palo blanco	Perennial	Tree	Part- shade	Dry
<i>Celtis laevigata</i> var. <i>reticulata</i>	Netleaf hackberry, Netleaf sugar hackberry, Western hackberry, Sugar hackberry, Texas sugarberry, Palo blanco, Acibuche	Perennial	Tree	Part- shade	
<i>Cephalanthus occidentalis</i>	Common buttonbush, Buttonbush, Button willow	Perennial	Shrub	Shade, Part- shade	Wet, Moist
<i>Cercis canadensis</i>	Eastern redbud, Redbud, Duraznillo	Perennial	Tree	Shade, Part- shade	Moist
<i>Cercis canadensis</i> var. <i>mexicana</i>	Mexican redbud	Perennial	Tree	Sun, Part- shade	Dry
<i>Cercis canadensis</i> var. <i>texensis</i>	Texas redbud	Perennial	Tree	Sun, Part- shade	Dry
<i>Chaerophyllum tainturieri</i> var. <i>tainturieri</i>	Hairyfruit chervil, Hairy-fruit chervil, Wild chervil, Chervil	Annual	Herb	Part- shade	
<i>Chamaesaracha coniodes</i>	False Nightshade, Gray five eyes, Ground Saracha, Prostrate Ground-cherry	Perennial	Herb	Part- shade	
<i>Chaptalia nutans</i>	Heal and draw, Silverpuff, Lechuguilla	Perennial	Herb	Shade	
<i>Chasmanthium latifolium</i>	Inland sea oats, Indian wood oats, Wild oats, River oats, Flathead oats, Upland Oats, Upland Sea Oats	Perennial	Grass/Grass-like	Shade, Part- shade	Moist
<i>Chilopsis linearis</i>	Desert willow, Flowering willow, Willow-leaved	Perennial	Tree	Sun	Moist, Dry

	catalpa, Willowleaf catalpa, Bow willow, Flor de mimbres, Mimbres				
<i>Chrysactinia mexicana</i>	Damianita	Perennial	Shrub	Sun	Dry
<i>Cladium mariscus</i> ssp. <i>jamaicense</i>	Jamaica swamp sawgrass, Jamaican Saw-grass, Saw- grass	Perennial	Grass/Grass-like	Sun, Part- shade	Wet, Moist
<i>Clematis drummondii</i>	Old man's beard, Drummond's clematis, Texas virgin's bower, Goat's beard	Perennial	Vine	Sun, Part- shade	Moist, Dry
<i>Clematis texensis</i>	Scarlet clematis, Scarlet leatherflower, Texas clematis	Perennial	Vine	Part- shade	Moist
<i>Cleome serrulata</i>	Rocky Mountain Beeplant, Skunkweed, Waa	Annual	Herb	Sun, Part- shade	Dry
<i>Cocculus carolinus</i>	Carolina snailseed, Carolina coralbead, Carolina moonseed, Red berried moonseed, Carolina red berried moonseed	Perennial	Vine	Part- shade	Moist
<i>Cooperia pedunculata</i>	Hill Country rain lily, Prairie lily, Rain lily, Flor de mayo	Perennial	Herb	Sun	Moist
<i>Coreopsis tinctoria</i>	Plains coreopsis, Golden tickseed, Goldenwave, Coreopsis, Calliopsis	Annual	Herb	Sun, Part- shade	Moist
<i>Corydalis curvisiliqua</i>	Curvepod, Curvepod fumewort, Golden Smoke, Scrambled Eggs	Annual	Herb	Part- shade	Dry
<i>Coryphantha sulcata</i>	Nipple Cactus, Pineapple cactus	Perennial	Cactus/Succulent	Sun	Dry
<i>Cotinus obovatus</i>	American smoke tree, Texas smoke tree, Wild smoke tree, Smoke tree, Smokebush, Chittamwood	Perennial	Tree	Sun, Part- shade	Dry
<i>Crataegus greggiana</i>	Gregg's hawthorn, Gregg hawthorn	Perennial	Shrub	Part- shade	
<i>Crataegus tracyi</i>	Tracy's hawthorn, Tracy Hawthorn, Mountain Hawthorn	Perennial	Tree	Part- shade	Dry
<i>Crataegus viridis</i>	Green hawthorn, Southern hawthorn	Perennial	Tree	Part- shade	Wet
<i>Croton capitatus</i> var. <i>lindheimeri</i>	Woolly Croton, Lindheimer's hogwort	Annual	Shrub	Sun	
<i>Croton fruticosus</i>	Bush croton, Encinilla, Hierba Loca	Perennial	Herb	Part- shade	Dry
<i>Croton monanthogynus</i>	Prairie tea, One-seed Croton	Annual	Herb	Sun	Moist, Dry
<i>Cryptotaenia</i> <i>canadensis</i>	Canadian honewort, Wild Chervil	Perennial	Herb	Part- shade	Moist

<i>Cylindropuntia imbricata</i> var. <i>imbricata</i>	Cane cactus, Cholla, Teddy-bear cholla, Tree cholla, Walkingstick cholla	Perennial	Shrub, Cactus/Succulent	Sun, Part-shade	Dry
<i>Cylindropuntia leptocaulis</i>	Tasajillo, Christmas cactus, Pencil cactus, Christmas cholla, Desert Christmas cactus	Perennial	Shrub, Cactus/Succulent	Sun	Dry
<i>Cynanchum barbigerum</i>	Bearded swallow-wort, Cynanchum, Thicket Threadvine	Perennial	Vine	Sun	
<i>Cyperus ochraceus</i>	Pond flatsedge, Yellow Sedge	Perennial	Grass/Grass-like	Part-shade	
<i>Cyperus odoratus</i>	Fragrant flatsedge, Fragrant Sedge	Annual	Grass/Grass-like	Sun	
<i>Cyperus pseudovegetus</i>	Marsh flatsedge, Marsh Flat Sedge	Perennial	Grass/Grass-like	Sun	
<i>Dalea aurea</i>	Golden dalea, Golden prairie clover	Perennial	Herb	Sun	Dry
<i>Dalea frutescens</i>	Black dalea, Black prairie clover	Perennial	Shrub	Sun	Dry
<i>Dalea greggii</i>	Gregg dalea, Gregg's prairie clover, Trailing indigo bush, Indigo bush	Perennial	Herb	Sun, Part-shade	Dry
<i>Dasyllirion texanum</i>	Texas sotol, Sotol	Perennial	Grass/Grass-like	Sun	Dry
<i>Dasyllirion wheeleri</i>	Common sotol, Sotol, Desert Spoon, Desert candle	Perennial	Shrub	Sun	Dry
<i>Datura wrightii</i>	Jimsonweed, Sacred Thorn Apple, Thorn apple, Angel Trumpet, Sacred datura	Annual	Herb	Sun, Part-shade	Dry
<i>Desmanthus illinoensis</i>	Illinois bundleflower, Bundleflower, Prairie bundle flower, Prickleweed, Illinois Desmanthus, Prairie mimosa	Perennial	Shrub	Sun	Moist
<i>Diospyros texana</i>	Texas persimmon, Mexican persimmon, Black persimmon, Chapote, Chapote prieto	Perennial	Tree	Sun, Part-shade	Dry
<i>Dyschoriste linearis</i>	Snake herb, Polkadots, Narrowleaf dyschoriste	Perennial	Herb	Sun	Wet, Moist
<i>Echinocactus texensis</i>	Horse creeper, Horse creeper cactus, Devil's head, Chisos hedgehog cactus, Chisos hedgehog	Perennial	Cactus/Succulent	Sun	Dry
<i>Echinocereus reichenbachii</i>	Lace hedgehog cactus, Lace cactus, Lace hedgehog, Purple candle, Órgano-pequeño de colores	Perennial	Cactus/Succulent	Sun	Dry
	Lace Cactus, Lace hedgehog cactus	Perennial	Cactus/Succulent	Sun	Dry

Echinocereus
reichenbachii ssp.
reichenbachii

<i>Ehretia anacua</i>	Anacua, Sugarberry Anacua, Anaqua, Anacahuita, Knockaway, Knackaway, Sandpaper tree, Manzanita, Manzanillo, Tlalahuacate	Perennial	Tree	Sun, Part-shade	Dry
<i>Eleocharis rostellata</i>	Beaked spikerush, Leap Frog Spike Rush	Perennial	Grass/Grass-like	Part-shade	Wet
<i>Elymus canadensis</i>	Canada wild rye, Canadian wildrye, Prairie wildrye, Nodding wildrye	Perennial	Grass/Grass-like	Sun, Part-shade	Moist
<i>Epipactis gigantea</i>	Stream orchid, Chatterbox orchid, Giant hellebore	Perennial	Herb	Shade, Part-shade	Wet, Moist
<i>Equisetum hyemale</i> var. <i>affine</i>	Scouring-rush horsetail	Perennial	Herb	Sun, Part-shade	Wet
<i>Eragrostis intermedia</i>	Plains lovegrass	Perennial	Grass/Grass-like	Part-shade	Dry
<i>Eragrostis spectabilis</i>	Purple lovegrass, Purple love grass, Purple plains lovegrass, Tumblegrass, Petticoat climber	Perennial	Grass/Grass-like	Sun	Moist
<i>Erigeron modestus</i>	Plains fleabane, Prairie fleabane	Perennial	Herb	Sun	Dry
<i>Eriochloa sericea</i>	Texas cupgrass	Perennial	Grass/Grass-like	Sun	Dry
<i>Erioneuron pilosum</i>	Hairy Woollygrass, Hairy Tridens	Perennial	Grass/Grass-like	Sun	Dry
<i>Eryngium leavenworthii</i>	Leavenworth's eryngo, Eryngo, False purple thistle	Annual	Herb	Sun, Part-shade	Moist
<i>Eupatorium serotinum</i>	Lateflowering thoroughwort, White boneset, Late boneset, Late-flowering boneset	Perennial	Herb	Part-shade	Moist
<i>Euphorbia antisiphilitica</i>	Candelilla, Wax plant	Perennial	Subshrub	Sun	Dry
<i>Euphorbia marginata</i>	Snow on the mountain, Snow-on-the-mountain	Annual	Herb	Part-shade	Moist
<i>Eustoma exaltatum</i> ssp. <i>exaltatum</i>	Catchfly prairie gentian, Bluebell gentian, Western blue gentian, Blue marsh lily, Small bluebell	Annual	Herb	Sun	Moist
<i>Eustoma exaltatum</i> ssp. <i>russellianum</i>	Texas bluebells, Texas bluebell, Bluebell, Showy prairie gentian, Prairie gentian	Annual, Biennial, Perennial	Herb	Sun	Moist

<i>Evax prolifera</i>	Bighead pygmycudweed, Rabbit Tobacco	Annual	Herb	Part- shade	
<i>Eysenhardtia texana</i>	Texas kidneywood, Kidneywood, Bee brush, Vara dulce, Palo dulce	Perennial	Shrub	Sun	Dry
<i>Gaillardia pulchella</i>	Indian Blanket, Firewheel, Girasol rojo	Annual	Herb	Sun, Part- shade	Dry
<i>Galphimia angustifolia</i>	Narrow-leaf Goldshower, Narrowleaf goldshower, Thryallis	Perennial	Shrub	Part- shade	Moist, Dry
<i>Garrya ovata</i> ssp. <i>lindheimeri</i>	Lindheimer's silktassel, Lindheimer silktassel, Lindheimer's Garrya, Lindheimer Garrya, Mexican silktassel, Mexican Garrya, Eggleaf silktassel, Eggleaf Garrya	Perennial	Shrub	Part- shade	Moist, Dry
<i>Gelsemium sempervirens</i>	Carolina Jessamine, Yellow Jessamine, Evening Trumpetflower, Poor Man's Rope	Perennial	Vine	Sun, Part- shade	Moist
<i>Glandularia bipinnatifida</i>	Prairie Verbena, Purple Prairie Verbena, Dakota Vervain, Dakota Mock Vervain, Moradilla, Alfombrilla	Perennial	Herb, Subshrub	Part- shade	Moist, Dry
<i>Glandularia bipinnatifida</i> var. <i>bipinnatifida</i>	Prairie verbena, Purple prairie verbena, Dakota mock vervain, Dakota vervain	Annual, Perennial	Herb	Sun, Part- shade	Dry
<i>Hedeoma drummondii</i>	Drummond's false pennyroyal, Limoncillo, Mock Pennyroyal	Annual	Herb	Part- shade	Dry
<i>Helianthus maximiliani</i>	Maximilian sunflower, Max sunflower	Perennial	Herb	Sun	Moist, Dry
<i>Hesperaloe parviflora</i>	Red yucca, Coral yucca, Red-flowered false yucca, Redflower false yucca, Yellow yucca, Hummingbird yucca, Samandoque	Perennial	Cactus/Succulent	Sun	Dry
<i>Heterotheca canescens</i>	Gray golden-aster, Hoary false goldenaster	Annual, Perennial	Herb	Sun	Dry
<i>Hibiscus lasiocarpus</i>	Woolly rose-mallow, Woolly mallow, Rose-mallow, False cotton	Perennial	Shrub	Sun	Wet
<i>Hilaria belangeri</i> var. <i>belangeri</i>	Curly-mesquite	Perennial	Grass/Grass-like	Sun	Dry
<i>Hydrocotyle umbellata</i>	Manyflower marsh- pennywort, Many-flowered	Perennial	Herb	Sun, Shade,	Wet, Moist

	marsh-pennywort, Marsh pennywort, Water pennywort, Money plant			Part-shade	
<i>Hydrocotyle verticillata</i> var. <i>verticillata</i>	Pennywort, Water-Pennywort, Whorled marshpennywort, Money-plant	Perennial	Herb	Sun	
<i>Hydrolea ovata</i>	Blue waterleaf, Ovate false fiddleleaf, Hairy hydrolea	Perennial	Herb	Part-shade	Wet
<i>Hymenocallis lirioides</i>	Texas Spiderlily, Spring Spiderlily, Spiderlily, Louisiana Spiderlily, Western Marsh Spiderlily	Perennial	Herb	Part-shade	Moist
<i>Ibervillea lindheimeri</i>	Balsam Gourd, Lindheimer's Globeberry, Globe Berry, Snake-apple, Balsam-apple	Perennial	Vine	Sun	Moist
<i>Ilex decidua</i>	Possumhaw, Possumhaw holly, Deciduous holly, Meadow holly, Prairie holly, Swamp holly, Welk holly, Deciduous yaupon, Bearberry, Winterberry	Perennial	Shrub	Sun, Part-shade	Moist
<i>Ilex vomitoria</i>	Yaupon, Yaupon Holly, Cassina	Perennial	Shrub, Tree	Sun, Shade, Part-shade	Moist, Dry
<i>Ipomoea cordatotriloba</i> var. <i>cordatotriloba</i>	Tievine, Sharp-pod Morning Glory, Purple Bindweed, Tie Vine	Perennial	Vine	Part-shade	
<i>Iris brevicaulis</i>	Zigzag iris	Perennial	Herb	Sun, Shade, Part-shade	Wet, Moist
<i>Iris virginica</i>	Virginia iris, Great blue flag, Southern blue flag	Perennial	Herb	Sun	Wet
<i>Iris virginica</i> var. <i>shrevei</i>	Shreve's iris, Virginia iris, Southern blue flag, Blue flag	Perennial	Herb	Sun	Wet
<i>Jatropha dioica</i>	Leatherstem, Leather Stem, Rubber Plant	Perennial	Subshrub	Sun, Part-shade	Dry
<i>Juniperus ashei</i>	Ashe juniper, Ashe's juniper, Mountain cedar, Rock cedar, Post cedar, Texas cedar, Brake cedar, Mexican juniper, Blueberry juniper, Ozark white cedar, Sabino, Enebro	Perennial	Tree	Part-shade	Dry
<i>Juniperus virginiana</i>	Eastern red cedar, Eastern redcedar, Virginia juniper, Red juniper, Pencil cedar,	Perennial	Tree	Sun, Shade,	Dry

	Carolina cedar, Red savin, Baton rouge			Part- shade	
<i>Justicia americana</i>	American water-willow, Water-willow	Perennial	Herb	Sun, Part- shade	Wet, Moist
<i>Kosteletzkya virginica</i>	Virginia saltmarsh mallow, Virginia fen-rose, Saltmarsh mallow, Seashore mallow	Perennial	Subshrub	Sun	Moist
<i>Lantana urticoides</i>	Texas lantana, Calico bush	Perennial	Shrub	Sun	Dry
<i>Larrea tridentata</i>	Creosote bush, Greasewood, Hediondilla, Governadora, Guamis	Perennial	Shrub	Part- shade	Dry
<i>Leucophyllum frutescens</i>	Cenizo, Purple sage, Texas ranger, Texas barometer bush, Texas silverleaf, Texas sage, Silverleaf	Perennial	Shrub	Sun, Part- shade	Dry
<i>Linum rigidum</i>	Stiffstem flax, Large-flower yellow flax, Yellow flax	Annual	Herb	Sun	Dry
<i>Lobelia cardinalis</i>	Cardinal flower	Perennial	Herb	Sun, Shade, Part- shade	Wet, Moist
<i>Lupinus texensis</i>	Texas bluebonnet, Bluebonnet, Texas lupine, Buffalo clover, Wolf flower	Annual	Herb	Sun	Dry
<i>Lycium andersonii</i>	Anderson wolfberry, Red- berry desert-thorn, Water jacket	Perennial	Shrub	Sun	Dry
<i>Lycium berlandieri</i>	Berlandier's wolfberry, Wolfberry	Perennial	Shrub	Sun, Part- shade	Dry
<i>Lygodesmia texana</i>	Texas Skeleton Plant, Texas Skeleton Weed, Skeleton- plant, Purple Dandelion, Flowering Straw	Perennial	Herb	Sun	Dry
<i>Lythrum alatum</i>	Winged lythrum	Perennial	Subshrub	Sun	Wet, Moist
<i>Machaeranthera tanacetifolia</i>	Tahoka Daisy, Tansy-aster, Tansey-leaf Tansy-aster	Annual	Herb	Sun, Part- shade	Dry
<i>Mahonia swaseyi</i>	Texas barberry, Texas Oregon-grape	Perennial	Shrub	Sun	
<i>Mahonia trifoliolata</i>	Agarita, Agarito, Algerita, Laredo mahonia, Laredo Oregon-grape, Trifoliate barberry, Wild currant	Perennial	Shrub	Sun, Part- shade	Moist, Dry
<i>Malvaviscus arboreus</i>	Turkscap, Wax mallow, Bleeding hearts, Mexican apple, Manzanilla	Perennial	Shrub		

<i>Malvaviscus arboreus</i> var. <i>drummondii</i>	Turkscap, Drummond's Turkscap, Drummond Turkscap, Wax Mallow, Drummond's Wax Mallow, Drummond Wax Mallow, Red Mallow, Texas Mallow, Mexican Apple, Sleeping Hibiscus, Bleeding Hearts, Manzanilla	Perennial	Shrub	Shade, Part- shade	Moist, Dry
<i>Marsilea macropoda</i>	Bigfoot water clover, Water clover, Clover-fern, Largefoot pepperwort	Perennial	Herb, Fern	Sun, Shade, Part- shade	Wet
<i>Marsilea vestita</i>	Hairy water clover, Water clover	Perennial	Herb, Fern	Part- shade	Wet
<i>Matelea reticulata</i>	Green milkweed vine, Net vein milkvine, Netted milkvine, Pearl milkweed Vine	Perennial	Vine	Part- shade	Dry
<i>Maurandella</i> <i>antirrhiniflora</i>	Snapdragon Vine , Roving sailor, Climbing snapdragon, Little snapdragon vine	Perennial	Vine	Part- shade	Dry
<i>Melampodium</i> <i>leucanthum</i>	Blackfoot Daisy, Rock daisy, Plains blackfoot, Arnica	Perennial	Herb	Sun, Part- shade	Dry
<i>Merremia dissecta</i>	Alamo Vine, Noyau vine, Correhuela de las Doce	Perennial	Vine	Sun, Part- shade	Moist, Dry
<i>Mimosa borealis</i>	Fragrant mimosa, Pink Mimosa	Perennial	Shrub	Sun, Part- shade	Dry
<i>Mimosa roemeriana</i>	Roemer's mimosa, Sensitive Briar	Perennial	Herb	Sun	Dry
<i>Monarda citriodora</i>	Lemon beebalm, Purple horsemint, Lemon mint, Plains horsemint, Lemon horsemint, Horsemint, Purple lemon mint	Annual	Herb	Sun, Part- shade	Dry
<i>Monarda fistulosa</i>	Wild bergamot, Beebalm	Perennial	Herb	Sun, Part- shade	Moist, Dry
<i>Morella cerifera</i>	Wax myrtle , Southern wax myrtle, Southern bayberry, Eastern bayberry, Bayberry, Candleberry, Tallow shrub	Perennial	Shrub	Sun, Part- shade	Wet, Moist
<i>Muhlenbergia capillaris</i>	Gulf muhly, Hair-awn muhly, Hairy-awn muhly, Hair grass, Pink muhly	Perennial	Grass/Grass-like	Sun	Moist
<i>Muhlenbergia dubia</i>	Pine muhly	Perennial	Grass/Grass-like	Sun	Dry
		Perennial	Grass/Grass-like	Sun	

<i>Muhlenbergia lindheimeri</i>	Lindheimer's muhly, Lindheimer muhly, Big muhly, Blue muhly				Moist, Dry
<i>Muhlenbergia reverchonii</i>	Seep muhly	Perennial	Grass/Grass-like	Sun	Moist, Dry
<i>Muhlenbergia rigens</i>	Deergrass, Meadow muhly, Deer muhly	Perennial	Grass/Grass-like	Sun	Moist
<i>Nassella tenuissima</i>	Mexican Feathergrass, Mexican Wiregrass, Finestem needlegrass, Ponytail grass, Texas tussock	Perennial	Grass/Grass-like	Sun, Part-shade	Moist, Dry
<i>Nelumbo lutea</i>	American lotus, Yellow water lotus, Yellow lotus	Perennial	Herb	Sun	Wet
<i>Nolina lindheimeriana</i>	Devil's shoestring, Devil's-shoestring, Ribbon grass	Perennial	Shrub	Sun, Part-shade	Dry
<i>Nolina texana</i>	Texas sacahuista, Texas beargrass, Basket grass, Sacahuista, Bunchgrass	Perennial	Grass/Grass-like	Part-shade	Dry
<i>Nuphar lutea</i>	Yellow pond lily, Yellow cow lily, Cow lily, Spatter dock, Wakas	Perennial	Herb	Part-shade	Wet
<i>Nyctaginia capitata</i>	Devil's bouquet, Scarlet muskflower	Perennial	Herb	Sun, Part-shade	Dry
<i>Oenothera jamesii</i>	River Primrose, Trumpet Evening Primrose, Trumpet evening-primrose	Biennial	Herb	Sun	Wet
<i>Oenothera lindheimeri</i>	Lindheimer's Beeblossom, Lindheimer's Gaura, White Gaura, Butterfly Gaura	Perennial	Herb	Sun, Part-shade	Moist
<i>Oenothera macrocarpa</i>	Bigfruit evening-primrose, Missouri evening-primrose, Fluttermill, Big-fruit evening-primrose, Missouri Primrose	Perennial	Herb	Sun	Dry
<i>Oenothera macrocarpa</i> ssp. <i>incana</i>	Bigfruit evening-primrose, Silver leaf primrose	Perennial	Herb	Sun	Moist
<i>Oenothera speciosa</i>	Pink evening primrose, Showy evening primrose, Mexican evening primrose, Showy primrose, Pink ladies, Buttercups, Pink buttercups	Perennial	Herb	Sun	Moist, Dry
<i>Oenothera triloba</i>	Stemless evening-primrose, Stemless Evening Primrose	Annual	Herb	Sun	
<i>Opuntia ellisiana</i>	Spineless prickly pear, Tigertongue, South Texas pricklypear	Perennial	Cactus/Succulent	Sun, Part-shade	Dry
		Perennial	Cactus/Succulent		Dry

<i>Opuntia engelmannii</i> var. <i>lindheimeri</i>	Texas prickly pear, Lindheimer's prickly pear, Lindheimer prickly pear			Sun, Part- shade	
<i>Opuntia macrocentra</i>	Purple Prickly Pear, Purple pricklypear	Perennial	Cactus/Succulent	Sun	Dry
<i>Opuntia macrorhiza</i>	Bigroot Prickly Pear, Twist- spine Prickly Pear, Common Prickly Pear, Plains Prickly Pear	Perennial	Cactus/Succulent	Sun	Dry
<i>Oxalis drummondii</i>	Drummond's wood-sorrel, Large-leaf wood-sorrel	Perennial	Herb	Sun, Part- shade	Moist, Dry
<i>Oxalis stricta</i>	Common yellow oxalis, Yellow Wood-sorrel	Perennial	Herb	Sun	Dry
<i>Panicum virgatum</i>	Switchgrass, Wand panic grass	Perennial	Grass/Grass-like	Sun, Part- shade	Moist, Dry
<i>Papaver nudicaule</i>	Icelandic poppy	Perennial	Herb		
<i>Parkinsonia aculeata</i>	Retama, Paloverde, Mexican paloverde, Jerusalem thorn, Horsebean, Lluvia de Oro	Perennial	Tree	Sun	Moist, Dry
<i>Paronychia virginica</i>	Whitlow-wort, Broom Nailwort, Yellow Nailwort, Park's Nailwort	Perennial	Herb, Subshrub	Sun	Dry
<i>Parthenocissus heptaphylla</i>	Sevenleaf creeper, Seven- leaf Creeper	Perennial	Vine	Sun, Shade, Part- shade	Moist
<i>Parthenocissus quinquefolia</i>	Virginia creeper	Perennial	Vine	Sun, Shade, Part- shade	Moist
<i>Passiflora affinis</i>	Bracted passionflower, Passion flower	Perennial	Vine	Sun, Part- shade	Moist, Dry
<i>Passiflora foetida</i>	Corona de Cristo, Scarlet- fruit passion flower, Fetid passionflower	Perennial	Vine	Sun, Part- shade	Dry
<i>Passiflora incarnata</i>	Purple passionflower, Purple passion vine, Maypop, Apricot vine	Perennial	Vine	Sun, Part- shade	Moist, Dry
<i>Passiflora lutea</i>	Yellow passionflower, Yellow passion vine, Yellow passion-flower	Perennial	Herb	Part- shade	Moist
<i>Passiflora tenuiloba</i>	Bird Wing Passionflower, Birdwing passionflower, Slender-lobe Passionflower, Spread Lobe Passionflower	Perennial	Vine	Part- shade	Dry
<i>Pavonia lasiopetala</i>		Perennial	Shrub		Dry

	Rock rose, Rose pavonia, Rose mallow, Pavonia			Sun, Part- shade	
<i>Pellaea ovata</i>	Ovateleaf Cliffbrake, Ovate- leaf Cliffbrake	Perennial	Herb, Fern	Sun	
<i>Penstemon baccharifolius</i>	Rock penstemon, Rock beardtongue, Cut-leaf penstemon, Cut-leaf beardtongue, Baccharis-leaf penstemon, Baccharis-leaf beardtongue	Perennial	Shrub	Sun, Part- shade	Dry
<i>Penstemon cobaea</i>	Prairie penstemon, Prairie beardtongue, Foxglove penstemon, Foxglove beardtongue, False foxglove, Large-flowered penstemon, Large-flowered beardtongue, Cobaea penstemon, Cobaea beardtongue, Wild foxglove	Perennial	Herb	Sun, Part- shade	Dry
<i>Penstemon laxiflorus</i>	Nodding penstemon, Nodding beardtongue, Loose-flowered penstemon, Loose-flowered beardtongue	Perennial	Herb	Part- shade	Dry
<i>Penstemon triflorus</i>	Hill Country penstemon, Hill Country beardtongue, Scarlet penstemon, Scarlet beardtongue, Heller's penstemon, Heller's beardtongue	Perennial	Herb	Sun	Dry
<i>Phacelia congesta</i>	Blue curls, Caterpillars, Fiddleneck	Annual, Biennial	Herb	Sun, Part- shade	Dry
<i>Phyla nodiflora</i>	Texas frogfruit, Turkey tangle fogfruit, Frogfruit	Perennial	Herb	Sun, Part- shade	Moist, Dry
<i>Physostegia intermedia</i>	Spring obedient plant, Marsh obedient plant, Slender false dragonhead, Intermediate false dragonhead	Perennial	Herb	Sun, Part- shade	Moist
<i>Physostegia virginiana</i>	Fall obedient plant, False dragonhead, Virginia lions- heart	Perennial	Herb	Sun, Shade, Part- shade	Moist
<i>Phytolacca americana</i>	American pokeweed, Great pokeweed, Pokeweed, Pokeberry, Red ink plant, Pigeonberry	Perennial	Herb	Part- shade	Moist
<i>Pistacia mexicana</i>	Mexican pistachio, Texas pistachio, American pistachio, Copal pistachio, Wild pistachio, Lentisco	Perennial	Tree	Sun	Dry

<i>Platanus occidentalis</i>	American sycamore, Eastern sycamore, American plane tree, Plane tree, Buttonwood, Buttonball tree	Perennial	Tree	Sun, Shade, Part-shade	Moist
<i>Pluchea odorata</i> var. <i>odorata</i>	Sweetscent, Marsh Fleabane, Southern Marsh Fleabane	Perennial	Herb	Sun	Moist
<i>Poa arachnifera</i>	Texas bluegrass, Texas blue grass	Perennial	Grass/Grass-like	Sun, Part-shade	Moist
<i>Polanisia dodecandra</i> ssp. <i>trachysperma</i>	Clammy-Weed, Clammyweed, Sandysseed clammyweed	Annual	Herb	Sun	
<i>Polygala alba</i>	White milkwort	Perennial	Herb	Part-shade	Dry
<i>Polytaenia texana</i>	Texas prairie parsley, Texas-Parsley	Biennial	Herb	Sun	Dry
<i>Pontederia cordata</i>	Pickereelweed, Pickerel rush	Perennial	Herb	Sun, Part-shade	Wet, Moist
<i>Populus deltoides</i>	Eastern cottonwood, Carolina poplar, Necklace Poplar, Alamo	Perennial	Tree	Sun, Shade, Part-shade	Wet, Moist, Dry
<i>Potamogeton nodosus</i>	Knotty Pondweed, Longleaf pondweed	Perennial	Herb	Sun, Part-shade	Wet
<i>Prosopis glandulosa</i>	Honey mesquite, Glandular mesquite, Algarroba	Perennial	Tree	Sun	Dry
<i>Prunella vulgaris</i>	Common selfheal	Perennial	Herb	Sun, Part-shade	Moist
<i>Prunus minutiflora</i>	Texas almond, Texas wild almond, Dwarf Plum	Perennial	Shrub	Sun	Dry
<i>Prunus texana</i>	Peachbush, Sand Plum, Peach bush, Texas plum, Texas peach bush	Perennial	Shrub	Part-shade	
<i>Ptelea trifoliata</i>	Wafer ash, Common hoptree, Hop tree	Perennial	Tree	Sun, Shade, Part-shade	Wet, Moist, Dry
<i>Ranunculus macranthus</i>	Large buttercup	Perennial	Herb	Sun	Moist
<i>Ratibida columnifera</i>	Mexican hat, Red-spike Mexican hat, Upright prairie coneflower, Prairie coneflower, Long-headed coneflower, Thimbleflower	Perennial	Herb	Sun	Moist, Dry
<i>Rhus aromatica</i>		Perennial	Shrub		

	Fragrant sumac, Aromatic sumac, Lemon sumac, Polecat bush			Sun, Shade, Part-shade	Moist, Dry
<i>Rhus aromatica</i> var. <i>serotina</i>	Fragrant sumac	Perennial	Shrub		
<i>Rhus lanceolata</i>	Prairie flameleaf sumac, Flameleaf sumac, Prairie sumac, Lance-leaf sumac, Lance-leaved sumac, Texas sumac, Tree sumac, Limestone sumac, Prairie shining sumac	Perennial	Tree	Sun	Dry
<i>Rhus virens</i>	Evergreen sumac, Tobacco sumac, Lambrisco, Lentrisco	Perennial	Shrub	Sun, Part-shade	Dry
<i>Rhynchospora colorata</i>	Starrush whitetop, Star sedge, White-topped sedge, Whitetop sedge, Star rush	Perennial	Grass/Grass-like	Sun, Part-shade	Wet
<i>Rivina humilis</i>	Pigeonberry, Rouge Plant, Baby-peppers, Bloodberry	Perennial	Herb	Part-shade	Moist
<i>Rubus trivialis</i>	Dewberry, Southern dewberry	Perennial	Herb	Sun, Part-shade	Moist, Dry
<i>Rudbeckia hirta</i>	Black-eyed Susan, Common black-eyed Susan, Brown-eyed Susan	Annual	Herb	Sun	Moist, Dry
<i>Ruellia drummondiana</i>	Drummond's ruellia, Drummond's wild petunia	Perennial	Herb	Shade, Part-shade	Dry
<i>Ruellia metziae</i>	White Ruellia, Metz's wild petunia, Metz Wild Petunia, Wild White Petunia	Perennial	Herb	Sun	Moist
<i>Ruellia nudiflora</i>	Violet ruellia, Common wild petunia, Violet wild petunia, Wild petunia, Hierba de la calentura	Perennial	Herb	Sun, Shade, Part-shade	Moist, Dry
<i>Ruellia occidentalis</i>	Western wild petunia	Perennial	Herb	Shade, Part-shade	Moist, Dry
<i>Sabal mexicana</i>	Texas palm, Texas palmetto, Mexican palm, Mexican palmetto, Rio Grande palmetto, Victoria palmetto, Palma de micharos, Apachite	Perennial	Tree	Sun, Part-shade	Moist, Dry
<i>Sabal minor</i>	Dwarf palmetto, Bush palmetto, Palmetto	Perennial	Shrub	Sun, Shade, Part-shade	Moist, Dry

<i>Sagittaria lancifolia</i>	Lanceleaf Arrowhead, Duck-potato, Bulltongue arrowhead	Perennial	Herb	Sun	Wet
<i>Sagittaria lancifolia</i> ssp. <i>media</i>	Bulltongue arrowhead, Scythe-fruit Arrowhead	Perennial	Herb	Part-shade	Wet
<i>Sagittaria longiloba</i>	Longbarb arrowhead, Flecha de Agua, Long-lobe Arrowhead, Long-barb Arrowhead	Perennial	Herb	Part-shade	
<i>Salvia azurea</i> var. <i>grandiflora</i>	Pitcher sage, Blue sage	Perennial	Herb	Sun, Part-shade	Dry
<i>Salvia ballotiflora</i>	Shrubby blue sage, Blue Shrub Sage, Meajorana	Perennial	Shrub	Sun, Part-shade	Dry
<i>Salvia coccinea</i>	Scarlet Sage, Tropical Sage, Blood sage, Red Sage, Indian Fire	Annual, Perennial	Herb	Sun, Shade, Part-shade	Moist, Dry
<i>Salvia engelmannii</i>	Engelmann's sage, Engelmann's salvia	Perennial	Herb	Sun, Part-shade	Moist, Dry
<i>Salvia farinacea</i>	Mealy blue sage, Mealy sage, Mealeycup sage	Perennial	Herb	Sun	Moist
<i>Salvia greggii</i>	Autumn sage, Cherry sage, Gregg salvia	Perennial	Shrub	Sun	Dry
<i>Salvia lycioides</i>	Canyon sage	Perennial	Herb	Part-shade	Dry
<i>Salvia lyrata</i>	Lyreleaf sage, Cancer weed	Perennial	Herb	Sun, Shade, Part-shade	Moist, Dry
<i>Salvia penstemonoides</i>	Big red sage, Penstemon sage	Perennial	Herb	Sun, Part-shade	Moist
<i>Salvia regia</i>	Mountain sage, Royal sage	Perennial	Shrub	Shade, Part-shade	Dry
<i>Salvia roemeriana</i>	Cedar sage	Perennial	Herb	Part-shade	Dry
<i>Salvia texana</i>	Texas sage, Blue sage	Perennial	Herb	Sun, Part-shade	Dry
<i>Samolus ebracteatus</i> ssp. <i>cuneatus</i>	Limerock Brookweed, Limewater brookweed	Perennial	Herb	Part-shade	
<i>Samolus valerandi</i> ssp. <i>parviflorus</i>	Seaside brookweed, Water Pimpernel, Thin-leaf Brookweed	Perennial	Herb	Part-shade	
		Perennial	Tree		

<i>Sapindus saponaria</i> var. <i>drummondii</i>	Western soapberry, Soapberry, Wild china tree, Wild chinaberry, Indian soap plant, Jaboncillo			Sun, Part- shade	Moist, Dry
<i>Saururus cernuus</i>	Lizard's tail, Lizard tail, Breastweed, Water dragon	Perennial	Herb	Shade, Part- shade	Wet, Moist
<i>Schizachyrium</i> <i>scoparium</i>	Little bluestem, Poptillo azul	Perennial	Grass/Grass-like	Sun, Part- shade	Dry
<i>Schoenoplectus</i> <i>californicus</i>	California bulrush, California club-rush, Giant Bulrush	Perennial	Herb	Sun	
<i>Scutellaria drummondii</i>	Drummond's skullcap	Annual	Herb	Sun	Dry
<i>Scutellaria ovata</i>	Heartleaf skullcap, Heart-leaf Skullcap	Perennial	Herb	Shade, Part- shade	Moist
<i>Scutellaria ovata</i> ssp. <i>bracteata</i>	Heartleaf skullcap, Heart-leaf skullcap	Perennial	Herb	Shade, Part- shade	Dry
<i>Scutellaria resinosa</i>	Resin-dot skullcap, Resinous skullcap, Shrubby skullcap, Sticky skullcap	Perennial	Herb	Part- shade	Dry
<i>Scutellaria wrightii</i>	Wright's skullcap, Bushy skullcap, Shrubby skullcap	Perennial	Shrub	Sun, Part- shade	Moist, Dry
<i>Senna lindheimeriana</i>	Lindheimer's senna, Velvet leaf senna, Velvetleaf senna, Velvet-leaf wild sensitive- plant, Puppy-dog ears	Perennial	Shrub	Sun, Part- shade	Dry
<i>Senna roemeriana</i>	Twoleaf senna, Two leaved senna	Perennial	Shrub	Part- shade	Dry
<i>Silphium albiflorum</i>	White rosinweed, White- flowered rosinweed, Compass Plant	Perennial	Herb	Sun	Dry
<i>Silphium simpsonii</i>	Simpson's rosinweed, Tall Rosinweed	Perennial	Herb	Sun, Part- shade	Moist, Dry
<i>Simsia calva</i>	Awnless bush sunflower, Bush sunflower	Perennial	Herb	Sun	Dry
<i>Solanum</i> <i>elaeagnifolium</i>	Silverleaf nightshade, Silver- leaf nightshade, White horse nettle, Trompillo, Tomato weed	Perennial	Herb	Sun	Dry
<i>Solanum rostratum</i>	Buffalobur nightshade, Buffalo bur	Annual	Herb	Sun	
<i>Solidago nemoralis</i>	Gray goldenrod, Prairie goldenrod, Oldfield goldenrod, Grayleaf goldenrod, Gray-leaved	Perennial	Herb	Sun, Shade, Part- shade	Dry

	goldenrod, Dyersweed goldenrod, Dwarf goldenrod, Field goldenrod				
<i>Sophora secundiflora</i>	Texas mountain laurel, Mountain laurel, Mescal bean, Mescal bean sophora, Frijolillo, Frijolito	Perennial	Shrub, Tree	Sun, Part- shade	Moist, Dry
<i>Sorghastrum nutans</i>	Indiangrass, Yellow indiangrass	Perennial	Grass/Grass-like	Sun, Shade, Part- shade	Moist, Dry
<i>Stachys coccinea</i>	Scarlet betony, Scarlet hedge-nettle, Texas betony	Perennial	Herb	Part- shade	Moist
<i>Stemodia lanata</i>	Woolly Stemodia, Gray- woolly twintip	Perennial	Herb	Sun	Dry
<i>Styphnolobium affine</i>	Eve's necklace, Eve's necklacepod, Texas sophora, Pink sophora, Necklace tree	Perennial	Tree	Part- shade	Dry
<i>Symphoricarpos orbiculatus</i>	Coralberry, Indian currant, Buckbrush	Perennial	Shrub	Shade, Part- shade	Moist, Dry
<i>Taxodium distichum</i>	Bald cypress, Baldcypress, Common bald cypress, Southern bald cypress, Deciduous cypress, Southern cypress, Swamp cypress, Red cypress, White cypress, Yellow cypress, Gulf cypress, Tidewater red cypress	Perennial	Tree	Sun, Part- shade	Moist
<i>Tecoma stans</i>	Yellow bells, Yellowbells, Esperanza, Yellow trumpetbush, Yellow trumpetflower, Trumpetbush, Trumpetflower, Yellow elder	Perennial	Shrub	Sun, Part- shade	Dry
<i>Tetragonotheca texana</i>	Squarebud daisy, Nerve-ray, Square-bud daisy	Perennial	Herb	Sun	Dry
<i>Tetrameuris scaposa</i>	Four-nerve daisy, Hymenoxys, Stemmy four- nerve daisy, Yellow daisy, Bitterweed	Perennial	Herb	Part- shade	Dry
<i>Tetrameuris scaposa var. scaposa</i>	Four-nerve daisy, Hymenoxys, Stemmy four- nerve daisy, Bitterweed	Perennial	Herb	Sun	Dry
<i>Teucrium canadense</i>	Canada germander, American germander, Canadian germander, Germander, Hairy germander, Wood sage	Perennial	Herb	Part- shade	Moist

<i>Thalia dealbata</i>	Powdery alligator-flag, Powdery thalia, Water canna	Perennial	Herb	Part- shade	Wet
<i>Thamnosma texana</i>	Texas desert-rue, Dutchman's breeches, Rue of the mountains, Ruda del monte	Perennial	Herb	Sun	Dry
<i>Thelesperma filifolium</i>	Stiff greenthread, Greenthread	Annual	Herb	Sun	Dry
<i>Thelesperma filifolium</i> var. <i>filifolium</i>	Stiff greenthread, Showy Navajo tea, Greenthread	Annual, Perennial	Herb	Sun	Dry
<i>Thelesperma simplicifolium</i>	Slender greenthread, Navajo Tea, Cota	Perennial	Herb	Sun	Dry
<i>Thelypteris kunthii</i>	Wood fern, River fern, Southern shield fern, Kunth's maiden fern, Normal shield fern	Perennial	Fern	Shade, Part- shade	Moist
<i>Thymophylla pentachaeta</i> var. <i>pentachaeta</i>	Dogweed, Dysodia, Fiveneedle pricklyleaf	Perennial	Subshrub	Sun	
<i>Toxicodendron radicans</i>	Eastern poison ivy, Poison ivy, Poison oak	Perennial	Shrub, Vine	Shade, Part- shade	Moist
<i>Tradescantia occidentalis</i>	Prairie spiderwort, Western Spiderwort, Spiderwort	Perennial	Herb	Sun, Part- shade	Dry
<i>Triodanis perfoliata</i>	Clasping Venus's looking- glass	Annual	Herb	Shade	Dry
<i>Tripsacum dactyloides</i>	Eastern gamagrass, Fakahatchee grass	Perennial	Grass/Grass-like	Part- shade	Moist
<i>Typha latifolia</i>	Broadleaf cattail, Common cattail	Perennial	Grass/Grass-like	Sun, Part- shade	Wet
<i>Ungnadia speciosa</i>	Mexican buckeye, Monilla	Perennial	Tree	Sun, Part- shade	Dry
<i>Vachellia rigidula</i>	Blackbrush Acacia, Blackbrush, Chaparro Prieto, Gavia	Perennial	Tree	Part- shade	Dry
<i>Vallisneria americana</i>	American eelgrass, Water celery, Eelgrass, Tapegrass	Perennial	Herb	Sun, Part- shade	Wet
<i>Verbena halei</i>	Texas vervain, Slender verbena, Texas verbena, Slender vervain	Perennial	Shrub	Sun	Dry
<i>Verbesina encelioides</i>	Cowpen Daisy, Golden crownbeard, Butter daisy	Annual	Herb	Sun	Dry
<i>Verbesina virginica</i>	Frostweed, White crownbeard, Iceplant, Iceweed, Virginia	Biennial	Herb	Shade, Part- shade	Moist, Dry

	crownbeard, Indian tobacco, Richweed, Squawweed				
<i>Vernonia baldwinii</i>	Baldwin's ironweed, Western Ironweed, Ironweed	Perennial	Herb	Sun	Moist
<i>Vernonia lindheimeri</i>	Woolly ironweed	Perennial	Herb	Sun	Dry
<i>Viburnum rufidulum</i>	Rusty blackhaw viburnum, Rusty blackhaw, Southern blackhaw, Blackhaw, Bluehaw, Downy viburnum, Southern nannyberry, Rusty nannyberry, Nannyberry	Perennial	Tree	Part- shade	Dry
<i>Viguiera dentata</i>	Plateau Goldeneye, Sunflower Goldeneye, Toothleaf Goldeneye, Chimalacate	Perennial	Herb	Part- shade	Dry
<i>Viguiera stenoloba</i>	Skeleton-leaf Goldeneye, Resinbush	Perennial	Shrub	Sun, Part- shade	Dry
<i>Viola sororia</i>	Missouri violet, Common blue violet, Hooded blue violet, Florida violet, Meadow violet	Annual	Herb	Sun, Part- shade	Moist
<i>Wisteria frutescens</i>	American wisteria, Texas wisteria, Kentucky wisteria	Perennial	Vine	Sun, Shade, Part- shade	Moist
<i>Xanthocephalum gymnospermoides</i>	Gummy Broomweed, San Pedro Matchweed, Gummy Snakeweed	Annual	Herb		
<i>Yucca constricta</i>	Buckley yucca, Buckley's yucca	Perennial	Shrub	Sun	Dry
<i>Yucca pallida</i>	Pale-leaf yucca	Perennial	Cactus/Succulent	Sun, Part- shade	Dry
<i>Yucca rupicola</i>	Twistleaf yucca, Twisted-leaf yucca, Texas yucca	Perennial	Cactus/Succulent	Sun, Part- shade	Dry
<i>Yucca ×schottii</i>	Schott's yucca, Hoary Yucca, Mountain Yucca	Perennial	Cactus/Succulent	Sun	Dry
<i>Yucca treculeana</i>	Spanish Dagger, Spanish Bayonet, Don Quixote's Lance, Palma Pita, Palma de Datil, Palmito	Perennial	Cactus/Succulent	Part- shade	Dry
<i>Zigadenus nuttallii</i>	Nuttall's Death Camas, Death Camas, Poison-onion	Perennial	Herb	Part- shade	
<i>Zinnia acerosa</i>	Desert Zinnia, Dwarf Zinnia, Dwarf White Zinnia, Shrubby Zinnia, Southern Zinnia	Perennial	Herb	Sun	Dry
<i>Zinnia grandiflora</i>		Perennial	Shrub		Dry

Plains Zinnia, Rocky
Mountain Zinnia, Prairie
Zinnia, Little Golden Zinnia,
Yellow Zinnia

Part-
shade

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Living With Deer In Garden Ridge, Texas

When choosing landscape plants for your yard, there are very few truly deer-proof plants, but there are many plants to choose from that deer will not eat unless they are starving. The basic rules for selecting deer resistant plants are as follows:

- Use plants native to Texas as much as possible. NOTE: If you plant Lantanas, use only the native varieties. Deer will eat the hybrids.
- The more fragrant the plant is, the less the deer like it.
- Thorny, prickly plants do not appeal to the deer, but they may eat the new growth.
- Use fuzzy, sticky, sappy plants especially those with a milky sap.
- Deer do not like plants with gray foliage.

Keeping the above points in mind, there are large groups of plants you may find to be great additions to your yard. Because deer are browsers, most ornamental grasses are a good choice. Also, Garden Ridge deer won't eat: anything in the Salvia family; Vincas (the variegated vine or flowering Periwinkle); most ferns; true herbs; or poisonous plants like oleanders, milkweeds and bluebonnets. In my area of Garden Ridge Estates, the deer will not touch Japanese boxwoods. A useful tip is to put your yummy, blooming flowers in hanging baskets out of reach of the deer.

The best way to discourage deer from frequenting your yard is by making your yard less desirable. Below are some suggestions:

- Xeriscape your yard using plants native to Texas as often as possible.
- Remove all water sources the deer can reach. They seek out water more than food.
- Set your bird feeders above 5 feet in locations where the deer can not eat the seed that falls on the ground.
- Install solid, fencing (5-6 feet tall) around areas where you do not want deer. Like horses, deer won't jump over a fence where they can not see the other side unless they feel it is truly life or death.

Coexisting peacefully with our city's deer requires an understanding of deer behavior. If you have ever worked with large farm/ranch animals, you already know the basics. For example, you know to never get between a cow and her calf. You also know to avoid getting close to a bull. Deer, like cows, are not aggressive animals but they can be protective and territorial. Therefore, when out and about remember to keep your distance from fawns, and keep your dogs on leashes. To a doe with a fawn, your dog looks like a coyote. Also, do not touch a tiny fawn lying alone. Fawns lack a scent for the first few weeks, and they are safer from predators when left on their own. Be assured, the mother is within ear shot of its baby. It is very tempting to try to hand feed and touch the deer. If you just can not help yourself only befriend a doe. Never approach or try to touch a buck even when the buck is a young deer. They need to maintain a respect and fear of humans for obvious safety reasons. Bucks should never get to the point they feel comfortable approaching you. Note that during the few weeks when bucks are scraping their antlers, you may want to protect young trees (diameter less than 5 inches) and smaller shrubs from possible damage. Try repellent sprays or deterrents (see info sheet).

We must remember we, not the deer, are the intruders in Garden Ridge. The deer and other wildlife were here first. As responsible caretakers of our city's natural resources, which include the deer, we need to do our part so we may live in harmony with nature. Therefore, living in Garden Ridge requires city residents to think outside the traditional landscaping box for plants that fit our special needs. We should use mostly native, drought tolerant plants in xeriscaped yards that do not appeal to wildlife. For example, try growing a large, beautiful herb garden. Not only would the deer pass it by, but the herbs are very useful.

Best Deer Resistant Plants For Garden Ridge, Texas

Small Tree/Large Shrubs

Anacacho Orchid Tree TX
*Esperanza "Yellow Bells"
*Cenizo TX
*Cherry Laurel TX
*Desert Willow TX
*Evergreen Sumac TX
*Flameleaf Sumac TX
*Mexican Buckeye TX
*Mexican Sycamore
*Texas Mountain Laurel TX
*Texas Persimmon TX

Herbs and Sage (all varieties)

*Autumn Sage TX
Germander
*Lavender
*Mealycup Sage TX
*Mexican Oregano
*Mint (best choice)
*Oregano (best choice)
*Rosemary (upright and prostrate)
*Santolina
*Sweet Marjoram
*Thyme (best choice)

Shrubs

*Agarita TX
*Blue Plumbago
Butterfly Bush (use TX native varieties)
*Damianita
*Firebush
Flame Acanthus
*Japanese Boxwood
*Japanese Plum Yew
*Juniper
*Lantana (TX natives only, no hybrids)
*Oleander ⊗
*Pride of Barbados
*Pyracantha
*Sago Palm
*Salvia (all varieties)
*Turk's Cap
*Yaupon Holly TX (dwarf variety)

Ornamental Grasses

*Big Bluestem TX
*Fountain Grass
Indiangrass
*Mexican Feathergrass
*Mondo Grass
Sideoats Grama TX
*Texas Sotol TX

Ground Cover

*Ajuga "Bugle Weed"
*Asian Jasmine
*Asparagus Fern
*Confederate Jasmine
*Purple Heart
*Variegated Vinca Vine

Succulents

Aloe
*Century "Agave" Plant TX
*Hens and Chickens (spiny only)
*Prickly Pear Cactus
*Yucca

Flowers

*Alyssum
Antelope Horns ⊗
*Bearded Iris ⊗
*Bluebonnet TX ⊗
*Butterfly Weed ⊗
*Cannas
*Cast Iron Plant
*Cinnamon Fern
*Daffodil/Narcissus ⊗
*Dusty Miller
Foxglove TX ⊗
*Leavenworth's Eryngo ⊗
*Mexican Mint Marigold TX
Periwinkle ("Cora" series is best)
*Pink Skullcap
*Salvia (all varieties)
*Scented Geranium
*Swamp Milkweed ⊗
*Yellow Passionflower Vine
*Zinnia (Zahara, Profusion & Crystal series)

TX - Denotes a plant native to Texas

* - Drought tolerate plant

⊗ - Poisonous

Best Deer Repellents For 2017

Contach Scarecrow

Battery operated (9 volt). Works at night.
Adjustable arc and distance up to 800 sq. ft. Ability to link multiple units together.

Bobbex B550100

Lasts up to 2 months. Won't wash off. All natural.
Odor will lessen after it dries. Won't harm plants.

Soldier Sentinel

Adjustable ultrasonic, infrared motion sensor. Undetectable by humans.
Weather proof.

Hoont Cobra Jet Sprayer

Motion sensitive sprayer with loud noise and jet spray up to 30 feet.
Very low water consumption. Repels other wildlife besides deer.

Deer Out

Pleasant, mint aroma. Safe to use on food crops. It will wash off in the rain.
Money back guarantee.

Deer Stopper Concentrate

Requires only a light spray. Lasts for 1 month.
Safe to spray on vegetables. Prevents grazing and bedding down of deer.

Plantskydd Repellent

Water soluble powder. Protects new growth. Works on deer and rabbits.
Fertilizes foliage.

Enviro Pro Deer Scram

Won't harm any animals that eat it. No bad odor. Made of animal byproducts like bone meal. Will attract flies.

Ortho Deer B Gone

No mixing or diluting needed. Won't harm vegetation but can not be used on plants you eat.

Deer & Rabbit Mace (Nature's Mace)

100% guaranteed. Has an organic fertilizer in it.

Predator Guard

Solar powered LED deterrent light with a 30 day money back guarantee. Has a 3 year warranty. Works to ward off other wildlife besides deer (like coyotes).



City of Garden Ridge

"A way of life, not just a place to live"

MINUTES OF CITY COUNCIL SPECIAL MEETING, AUGUST 7, 2017

Members Present:

Mayor Larry Thompson
Mayor Pro-Tem John McCaw
Councilmember Todd Arvidson
Councilmember Kay Bower
Councilmember Robb Erickson
Councilmember Bryan Lantzy

Member Absent:

None

City Staff Present:

Nancy Cain, City Administrator
Dan Bellinger, Lieutenant, GRPD
Royce Goddard, Water Manager
Steven Steinmetz, Public Works Director
Karen Ford, Finance/HR
Linda Crosland, Librarian
Shelley Goodwin, City Secretary

1. Call to Order

With a quorum of the City Council Members present, Mayor Thompson called the special meeting of the Garden Ridge City Council to order at 6:00 p.m. on Monday, August 7, 2017, in the City Council Chambers of the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas 78266.

2. Pledge of Allegiance

Mayor Thompson led the Pledge of Allegiance.

3. Citizen's Participation – Limit remarks to three (3) minutes per citizen

No one wished to speak.

4. Proposed 2018 Fiscal Year Budgets for the City of Garden Ridge General Fund, Water Fund, Interest and Sinking fund and Capital Improvement Fund

a) Presentation of budgets

Mayor Thompson provided a presentation on proposed 2018 Fiscal Year (FY) Budgets. He reviewed the Budget Highlights, New Items and Challenges for the City of Garden Ridge in FY2018.

Nancy Cain, City Administrator, reviewed the proposed 2018 Fiscal Year Budgets. She stated the General Fund will have total revenues and expenditures of \$2,743,927, Capital Improvement Funds total revenues will be \$63,000 and expenditures \$1,200,120, and Interest & Sinking Fund revenues will be \$1,397,184 and expenditures \$1,396,584. She also stated the Water Fund total revenue is \$1,621,200 and expenditures \$1,664,010, which is a difference of \$42,810 that will come from Water Fund reserves.

Mayor Thompson stated this proposed budget has the Water Company paying for more of their share of operations than in the past and after the deduction of \$42,810 out of the reserves, the reserve balance is \$2,750,922.

b) Public Hearing to receive comments

Mayor Thompson opened the public hearing at 6:20 p.m. and asked if anyone wished to speak.

Shelby Trial, 21657 Forest Waters Circle, stated he wanted a clarification on the abbreviation of EE and ER. He also inquired as to the need for the cell phone reimbursement for staff and the purpose of the Parks line item in the Public Works' budget.

Mayor Thompson asked if anyone else wished to speak. No one did, so Mayor Thompson closed the public hearing at 6:25 p.m.

c) Discussion and/or adjustments to proposed budgets

Nancy Cain, City Administrator, reviewed the reasons why a cell phone is necessary for City staff.

Mayor Thompson stated the parks line item in the Public Works budget is for Public Works to do some work within the parks. He also stated that some of the items on the list created by the Parks Committee are being addressed this year, but not all of them.

d) Adoption of Fiscal Year 2018 Budgets:

- i. **Resolution 416-082017 approving the Fiscal Year 2018 Budget for the City of Garden Ridge General Fund for the period of October 1, 2017**
- ii. **Resolution 417-082017 approving the Fiscal Year 2018 Budget for the City of Garden Ridge Water Fund for the period of October 1, 2017**
- iii. **Resolution 418-082017 approving the Fiscal Year 2018 Budget for the City of Garden Ridge Interest and Sinking Fund for the period of October 1, 2017**
- iv. **Resolution 419-082017 approving the Fiscal Year 2018 Budget for the City of Garden Ridge Capital Improvement Fund for the period of October 1, 2017**

Motion: Upon a motion made by Councilmember Lantzy, and seconded by Councilmember McCaw, to adopt Resolution 416-082017 approving the Fiscal Year 2018 Budget for the City of Garden Ridge General Fund for the period of October 1, 2017, Resolution 417-082017 approving the Fiscal Year 2018 Budget for the City of Garden Ridge Water Fund for the period of October 1, 2017, Resolution 418-082017 approving the Fiscal Year 2018 Budget for the City of Garden Ridge Interest and Sinking Fund for the period of October 1, 2017, and Resolution 419-082017 approving the Fiscal Year 2018 Budget for the City of Garden Ridge Capital Improvement Fund for the period of October 1, 2017. The City Council voted five (5) for and none (0) opposed. The motion carried unanimously.

5. Citizen's Participation – Limit remarks to two (2) minutes per citizen

Shelby Trial, 21657 Forest Waters Circle, stated he would still like to know what EE and ER abbreviations stand for.

6. Adjournment

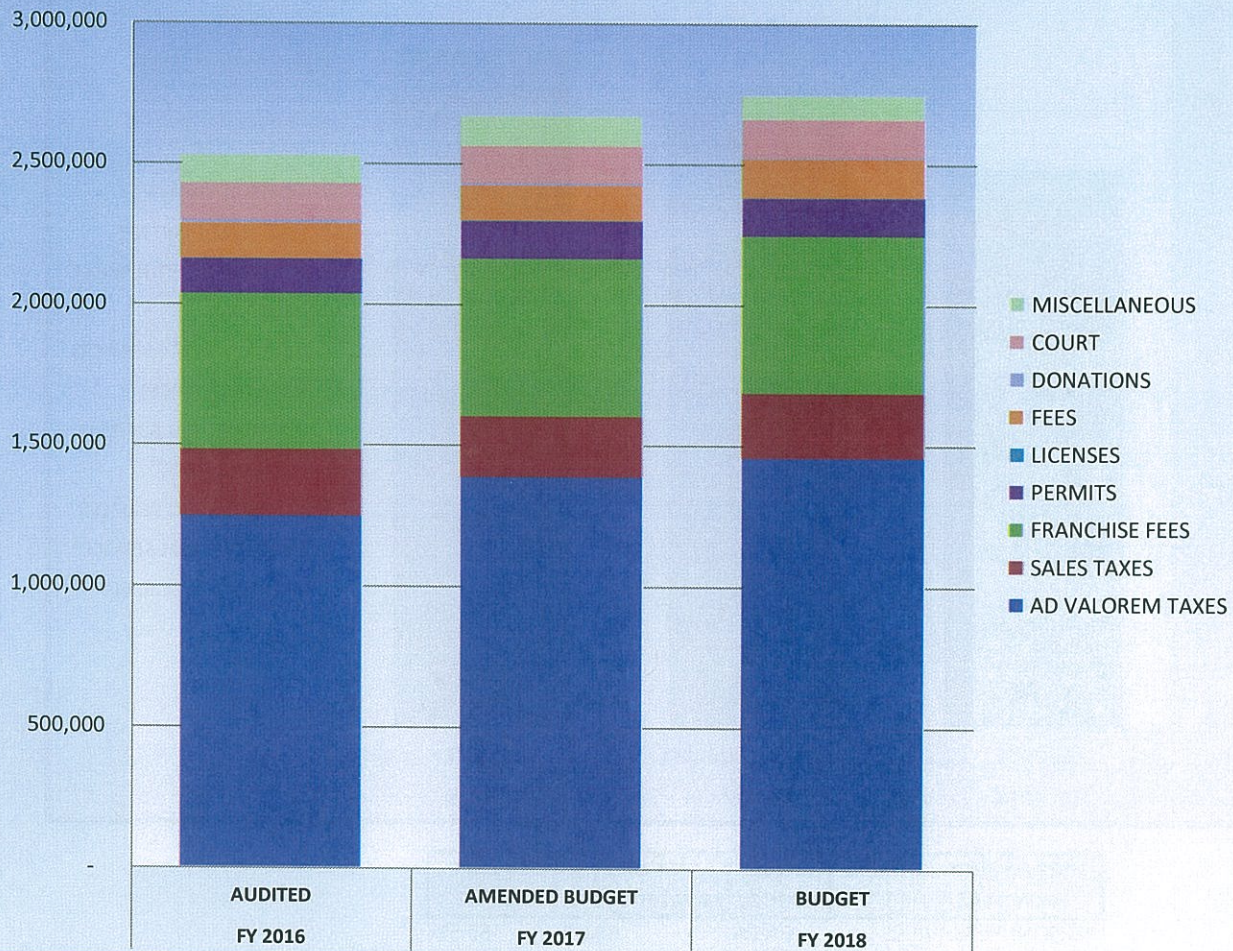
There being no further business, the Monday, August 7, 2017 Garden Ridge City Council Special Meeting was adjourned at 6:31 p.m. by Mayor Thompson.

Larry Thompson
Mayor

ATTEST

Shelley Goodwin, TRMC
City Secretary

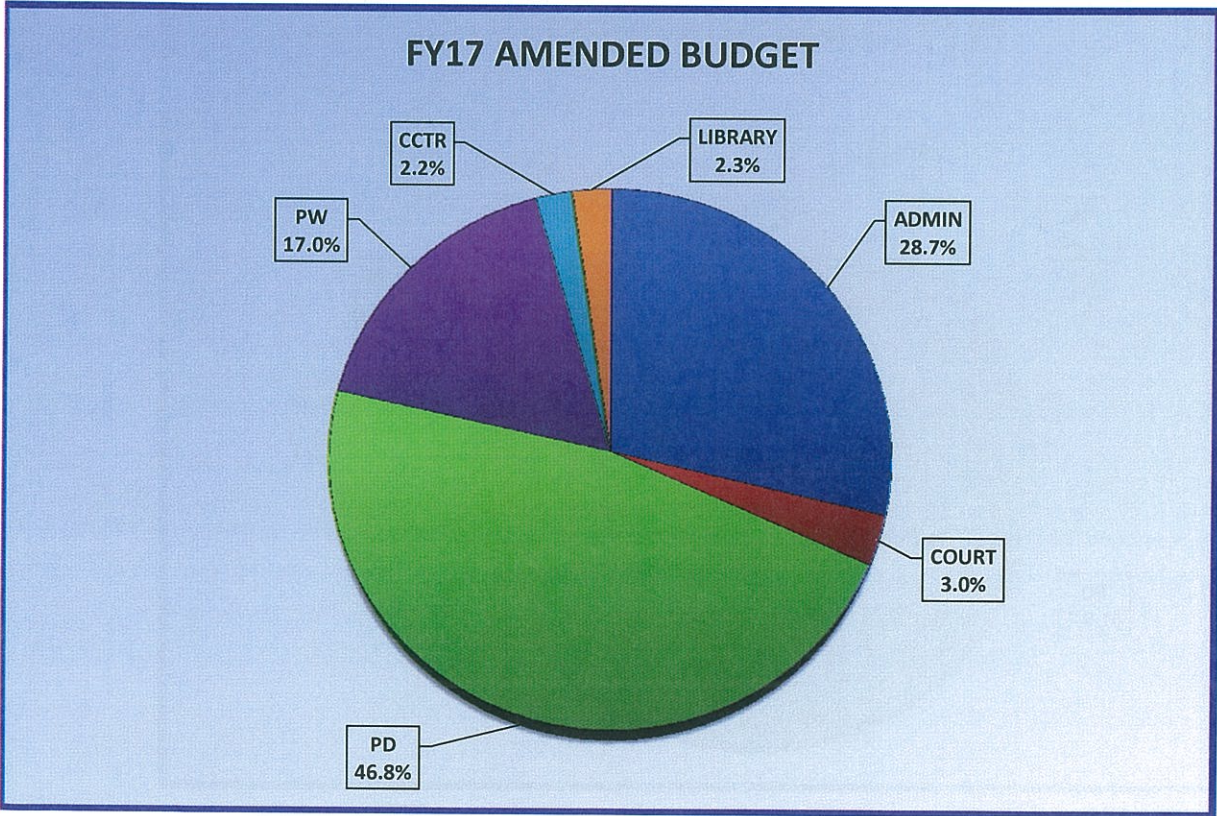
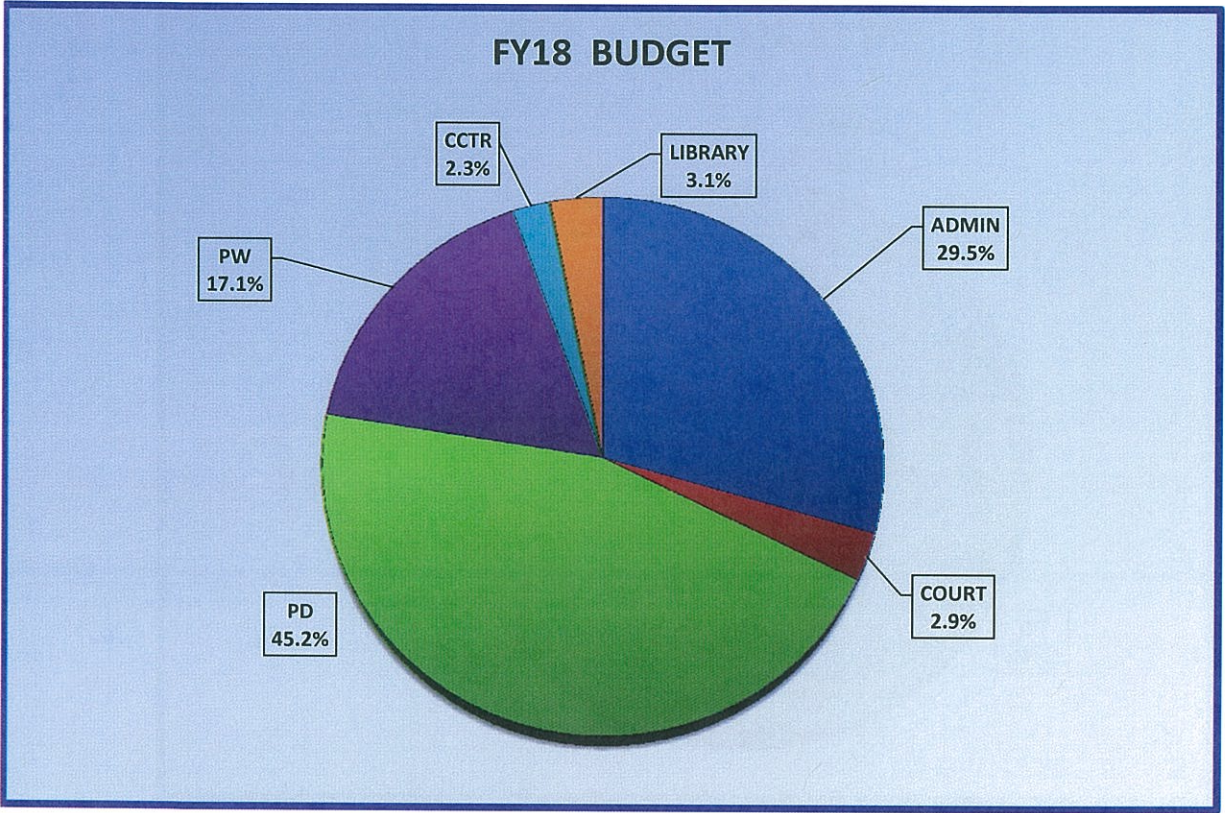
CITY OF GARDEN RIDGE GENERAL FUND REVENUES



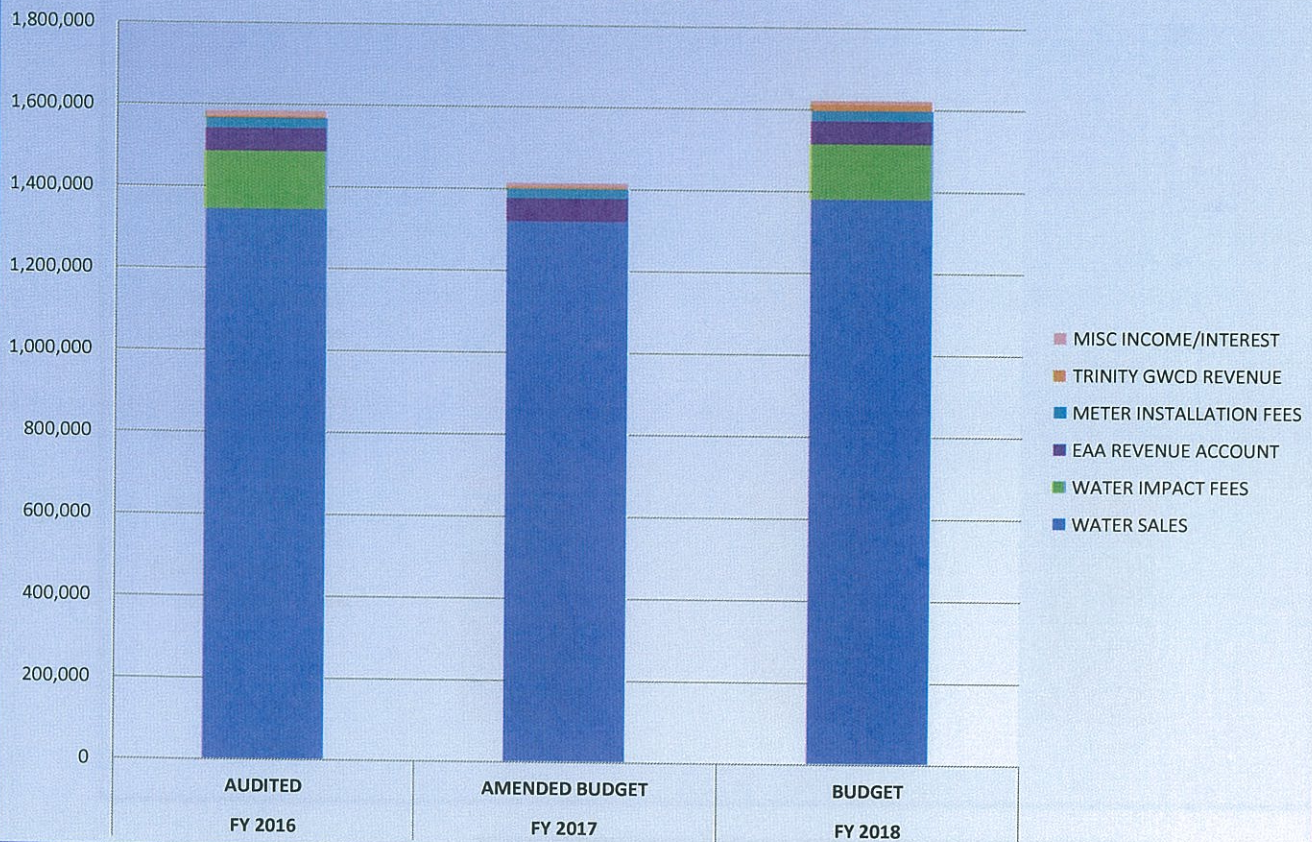
FUND SOURCES SHOWN AS % OF TTL	FY 2016 AUDITED	FY 2017 AMENDED BUDGET	FY 2018 BUDGET
AD VALOREM TAXES	49.4%	52.0%	53.1%
SALES TAXES	9.3%	8.1%	8.4%
FRANCHISE FEES	21.8%	20.9%	20.3%
PERMITS	4.8%	5.0%	4.9%
LICENSES	0.1%	0.1%	0.1%
FEES	5.0%	4.7%	5.1%
DONATIONS	0.4%	0.2%	0.2%
COURT	5.2%	5.0%	4.9%
MISCELLANEOUS	3.9%	4.0%	3.0%

CITY OF GARDEN RIDGE

COMPARISON - EXPENDITURES BY DEPARTMENT



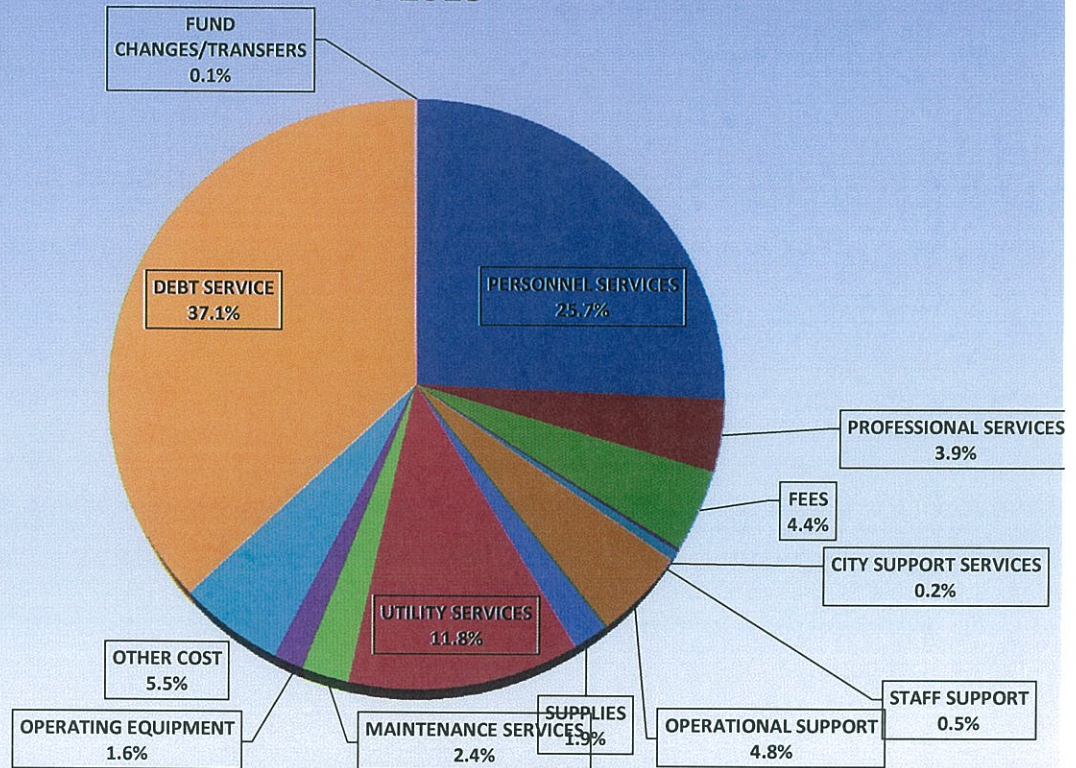
CITY OF GARDEN RIDGE WATER FUND REVENUE



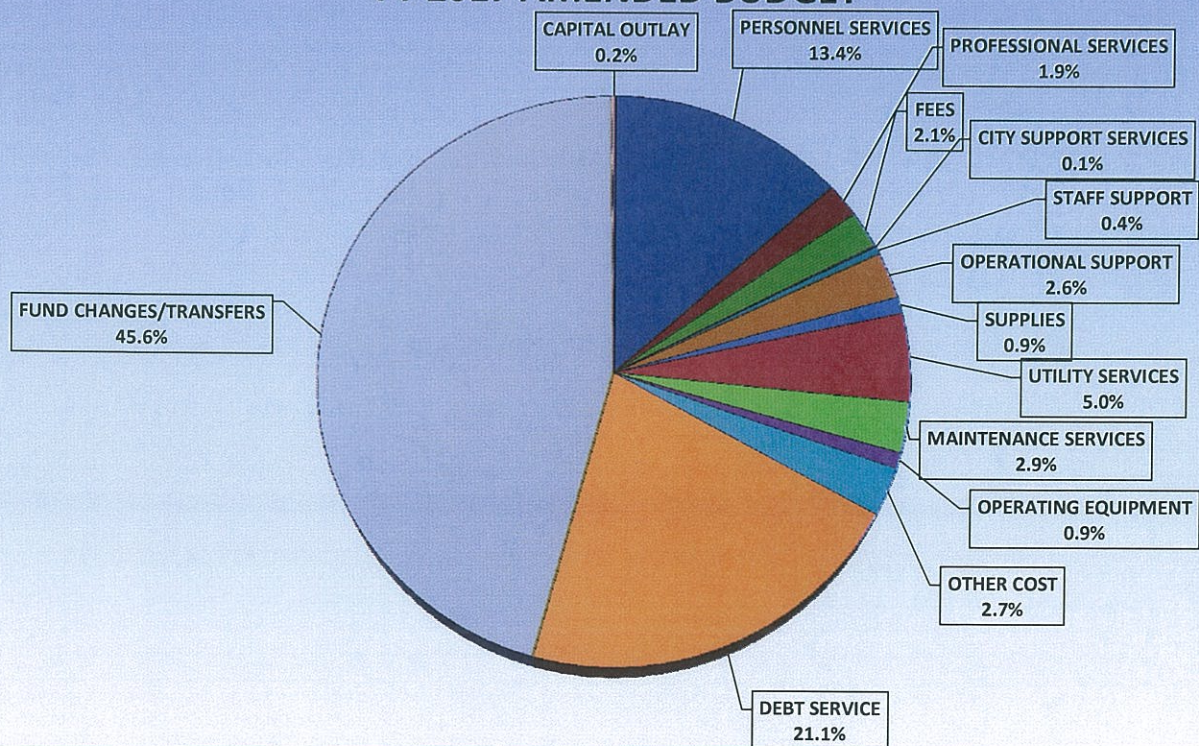
FUND SOURCES SHOWN AS % OF TTL	FY 2016 AUDITED	FY 2017 AMENDED BUDGET	FY 2018 BUDGET
WATER SALES	84.9%	93.4%	85.2%
WATER IMPACT FEES	8.9%	0.0%	8.3%
EAA REVENUE ACCOUNT	3.6%	4.0%	3.5%
METER INSTALLATION FEES	1.5%	1.7%	1.5%
TRINITY GWCD REVENUE	0.3%	0.4%	1.0%
MISC INCOME/INTEREST	0.8%	0.6%	0.5%

CITY OF GARDEN RIDGE
WATER FUND
COMPARISON - EXPENDITURES

FY 2018



FY 2017 AMENDED BUDGET



SIGN IN TO SPEAK AT THE August 7, 2017 CITY COUNCIL SPECIAL MEETING

Rules for Citizen's Participation:

The City Council welcomes citizen participation and comments at all of their Council Meetings. As a courtesy to your fellow citizens and out of respect to our elected officials, we request that if you speak, that you please follow these guidelines.

- a. Direct your comments to the entire Council, not to an individual member, nor to the audience.
- b. Show the City Council the same respect and courtesy that you would like to be shown.
- c. Limit remarks to three (3) minutes per citizen during Item 4 and to two (2) minutes per citizen during Item 6.
- d. Citizens' comments will be limited to one (30) minutes in Item 4 and thirty (30) minutes in Item 6.
- e. Citizens' comments may be deferred to a specific Business Item set forth in Section 5, below, if such comments pertain to such Business Item.
- f. Individual citizens will be limited to one 3 or 2 minute comment period.

*NOTE: The Texas Open Meetings Act permits a member of the public or a member of the governmental body to raise a subject that has not been included in the notice for the meeting. However, any discussion of the subject **must be limited** to a proposal to place the subject on the agenda for a future meeting and any response to a question posed to the Council is limited to either a statement of specific factual information or a recitation of existing policy. TEX. GOV'T CODE § 551.042.*

Disclaimer:

Any disruptive behavior, including shouting or derogatory statements or comments, will be ruled out of order by the Presiding Officer. Continuation of this type of behavior could result in a request by the Presiding Officer that the individual leave the meeting, and if refused, an order of removal.

*(SPEAK DURING
THE PUBLIC HEARING)*

NAME	ADDRESS	SUBJECT
1. <u>SARLEY FRIDAL</u>	<u>21657 FOREST WATERS</u>	<u>BUDGET</u>
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____
7. _____	_____	_____
8. _____	_____	_____



City of Garden Ridge

"A way of life, not just a place to live"

**MINUTES OF JOINT CITY COUNCIL AND
PLANNING AND ZONING COMMISSION (STEERING COMMITTEE) MEETING,
AUGUST 7, 2017**

Councilmembers Present:

Mayor Larry Thompson
Mayor Pro-Tem John McCaw
Councilmember Todd Arvidson
Councilmember Kay Bower
Councilmember Robb Erickson
Councilmember Bryan Lantzy

Members Absent:

None

Commissioners Present:

Chairman Sam Stocks
Commissioner Dr. Jim Miller
Commissioner Kitty Owen
Commissioner David Ringle
Commissioner Shawn Willis

Commissioners Absent:

Commissioner David Heier

City Staff Present:

Nancy Cain, City Administrator
Shelley Goodwin, City Secretary

1. Call to Order

With a quorum of the City Councilmembers present and a quorum of Planning and Zoning Commission Members present, Mayor Thompson called the joint meeting (Steering Committee) of the Garden Ridge City Council and Planning and Zoning Commission to order at 6:45 p.m. on Monday, August 7, 2017, in the City Council Chambers of the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas 78266.

2. Citizen's Participation - Limit remarks to three (3) minutes per citizen
No one wished to speak.

3. Draft Master Land Use Plan

- a) Presentation of Draft Master Land Use Plan
- b) Policy Questions
- c) Input from Committee

d) Review of plans for notifying public of August 28, 2017 Town Hall Meeting #2

Dan Sefko, Project Manager, provided a PowerPoint of the 5 Chapters of the draft Master Land Use Plan (see attached). He also reviewed Special Planning Areas and Maps (see attached).

The Steering Committee discussed the goals of the Master Land Use Plan, the analysis used to develop the plan, future land use, and transportation. The Committee also discussed the pictures and the concept drawings used in the plan, inventory of existing parks and trails, and growth areas of Garden Ridge. They also discussed changing special planning area 5 to Mixed Use or switching area 2 and area 5 on page 49 of the plan. The Committee also discussed using the flood zoned areas for additional parks and trails.

The Committee agreed by consensus to remove the future roadway connections from Schertz to FM 2252 through Garden Ridge.

The Committee agreed to send their changes to Chelsea Irby by Thursday, August 10 and to post the draft Master Land Use Plan to the website on Friday, August 11, 2017.

Chelsea Irby provided the upcoming timelines and meetings.

The Steering Committee discussed the advertising of the August 28, 2017 Town Hall Meeting #2 and the layout of the Town Hall Meeting.

3. Citizen's Participation - 3 minute limit per citizen.

See "Rules for Citizen's Participation" under Item 3.

Shelby Trial, 21657 Forest Waters, spoke regarding the Parks Master Plan and the survey that the Parks Committee performed.

Ken Kneupper, 8891 Schoenthal Road, spoke regarding residents wanting to downsize into smaller homes and wanting to remain in Garden Ridge.

4. Adjournment

Motion: Upon a motion made by Councilmember Lantzy and a second by Councilmember McCaw, the meeting was adjourned at 9:10 p.m.

Larry Thompson, Mayor

Sam Stocks, Chair

ATTEST:

Shelley Goodwin, TRMC
City Secretary

City of Garden Ridge



Master Land Use Plan

Steering Committee Meeting #3 • August 7, 2017

Agenda

- » Review of Draft Master Land Use Plan
- » Policy Questions
- » Input from Committee
- » What's Next? / August 28 Public Meeting

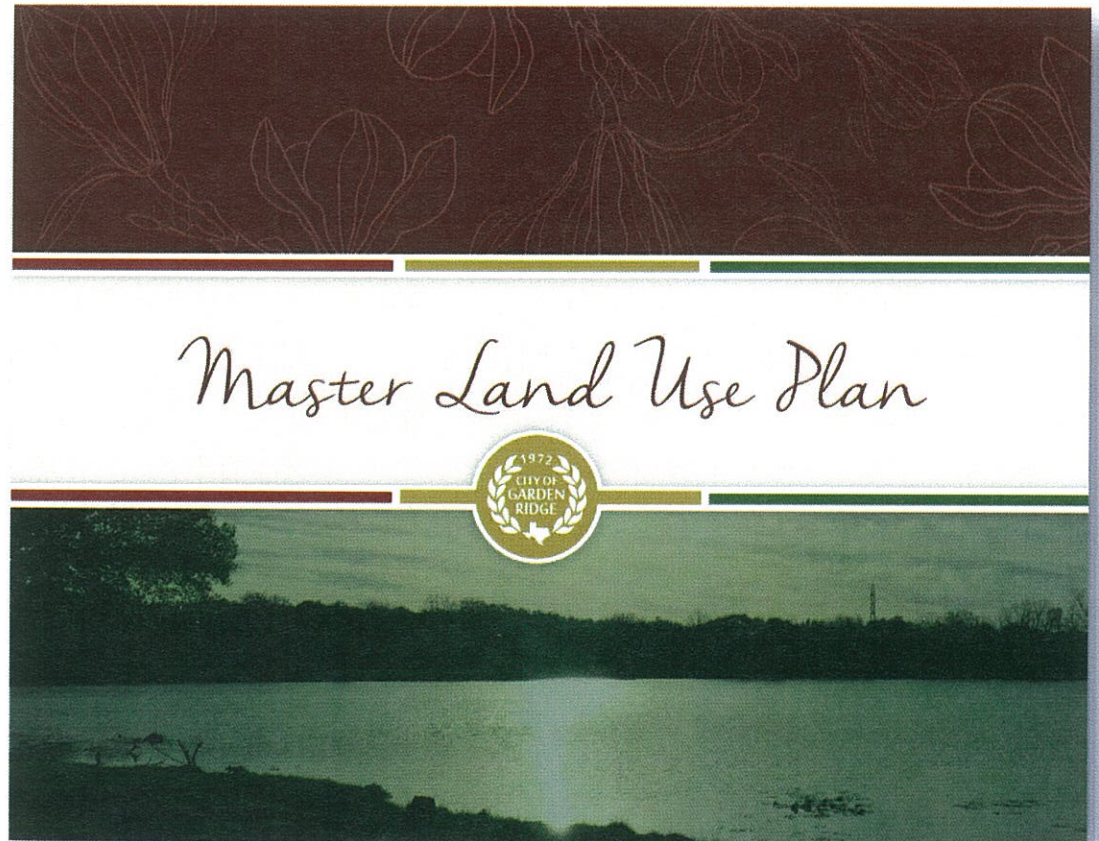




Master Land Use Plan

Format

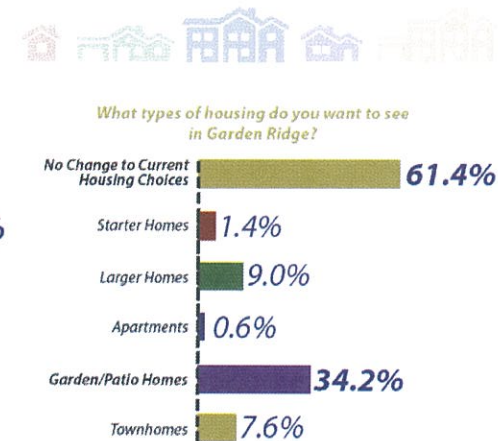
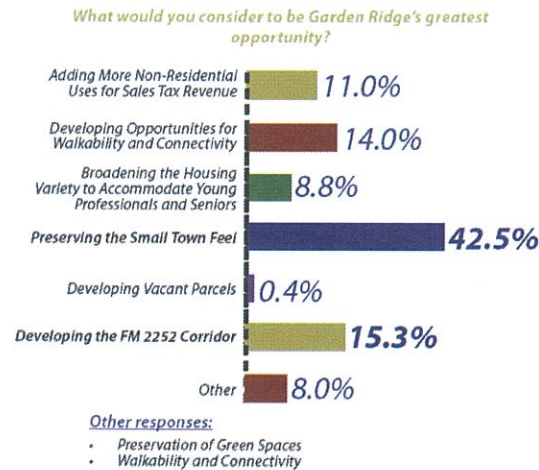
1. Introduction
2. Baseline Analysis
3. Land Use
4. Transportation
5. Implementation



Chapter 1

INTRODUCTION

- » Planning 101
- » Meeting summaries
- » Survey results
- » Plan goals



54% of respondents agreed that the **FM2252 CORRIDOR** should be developed to increase the tax revenue, while maintaining community character



Goals



Protect existing residential neighborhoods.



Develop the vacant areas to the highest potential, in a quality manner, to provide an increase in tax base and services for residents.



Provide pathways for residents to safely move through the City on foot and bicycle.

Goals



Maintain the community character of the City through natural protection and design guidelines.



Develop strategies for expansion within the ETJ.



Make the City an inviting and unique place through gateways and corridor development.

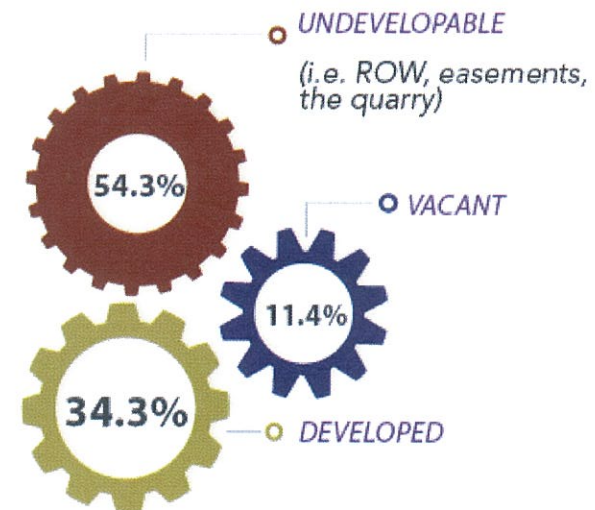


Develop gathering places for residents to enjoy.

Chapter 2

BASELINE ANALYSIS

- » Related planning efforts
- » Planning context
- » Community snapshot
- » Existing land use



Chapter 3

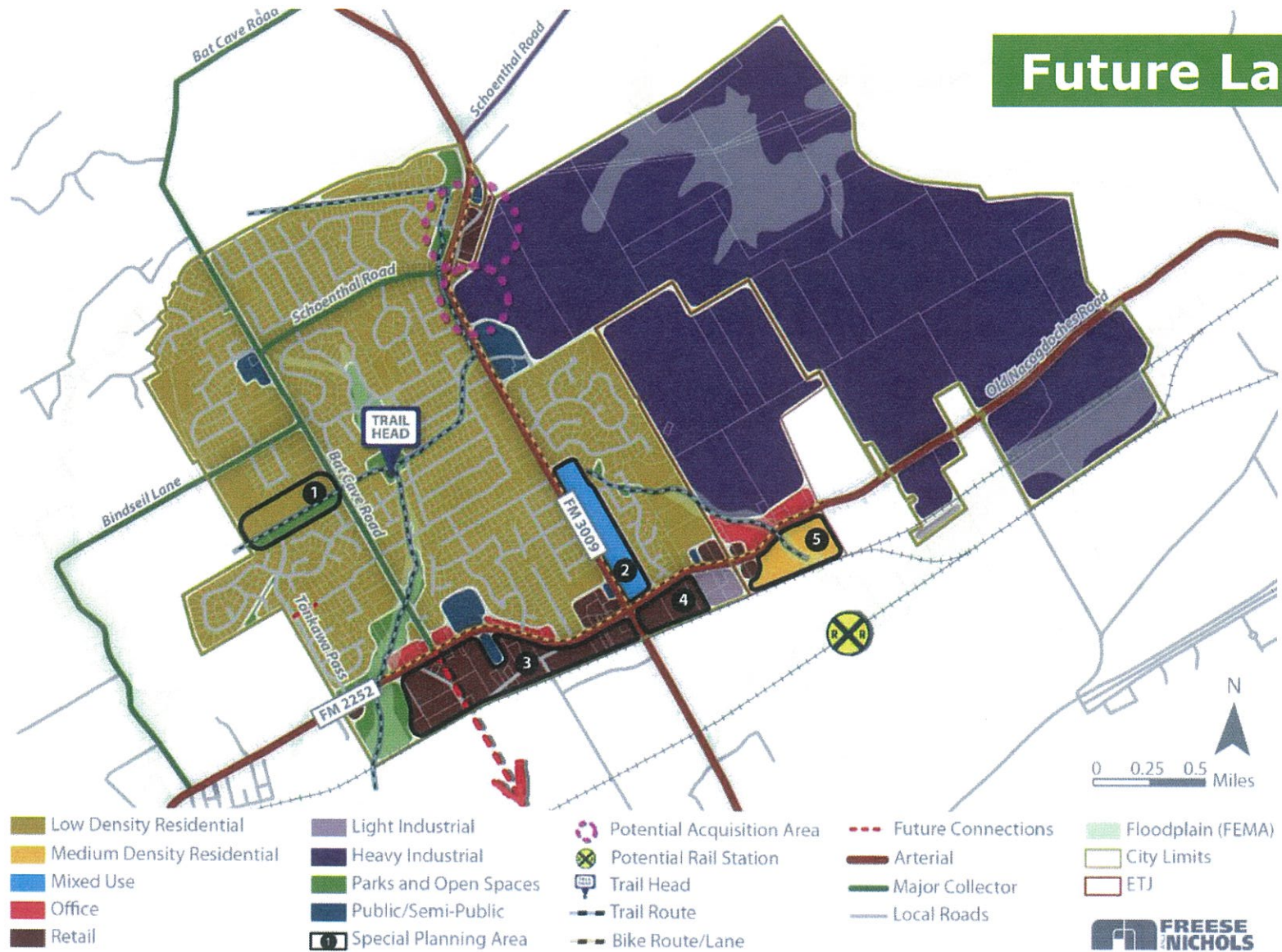
LAND USE

- » Future land use
- » Special planning areas
- » Growth management
- » Community character
- » Parks and trails

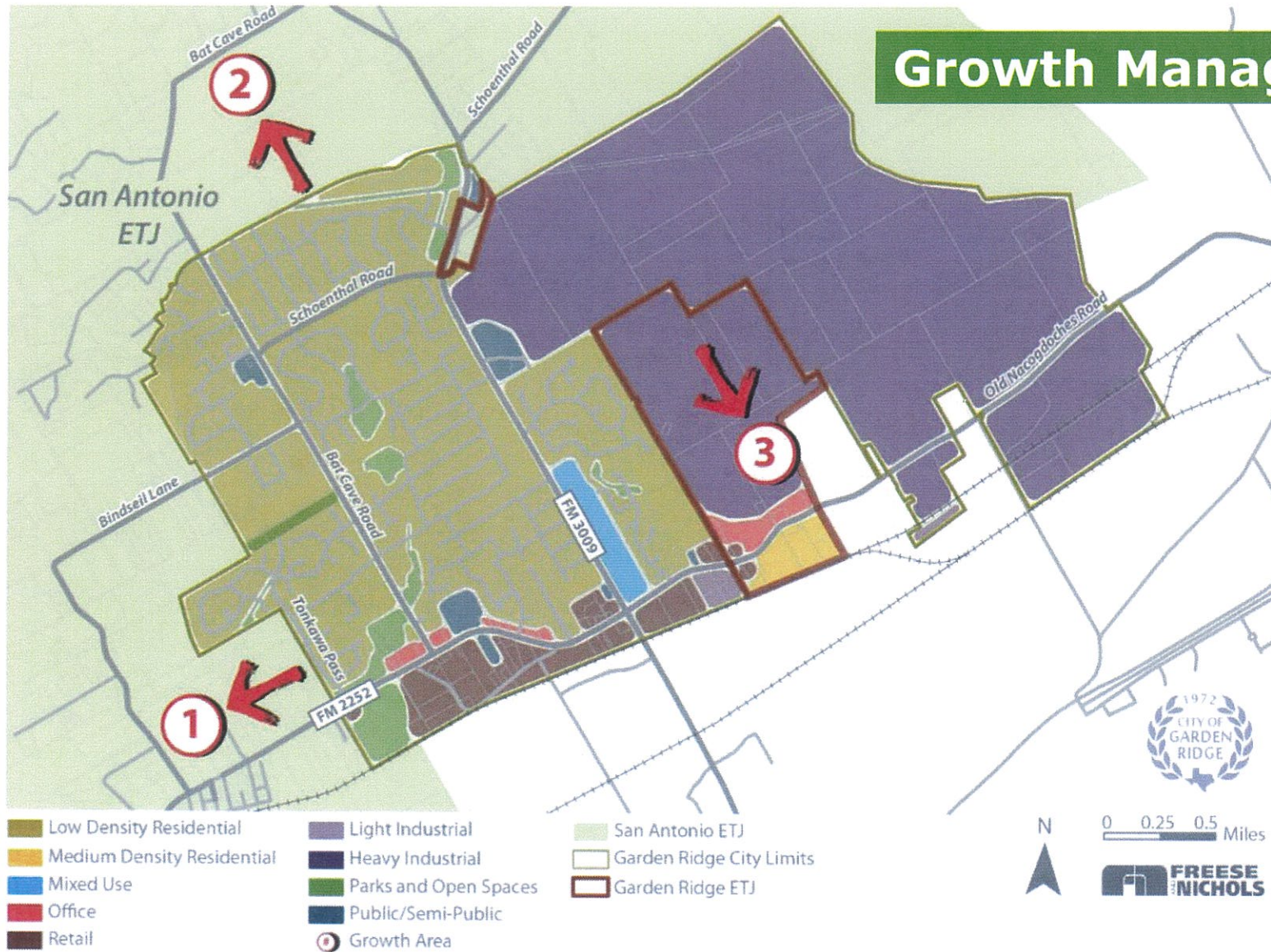
80% Low Density
7% Retail
2% Office

Not counting quarry

Future Land Use



Growth Management



Chapter 3



Special Planning Area Concept Drawings



SPA 1 | Single-Family Infill

SPA 2 | Mixed Use





SPA 3 | FM 2252 Retail



SPA 4 | FM 2225/FM 3009 Retail



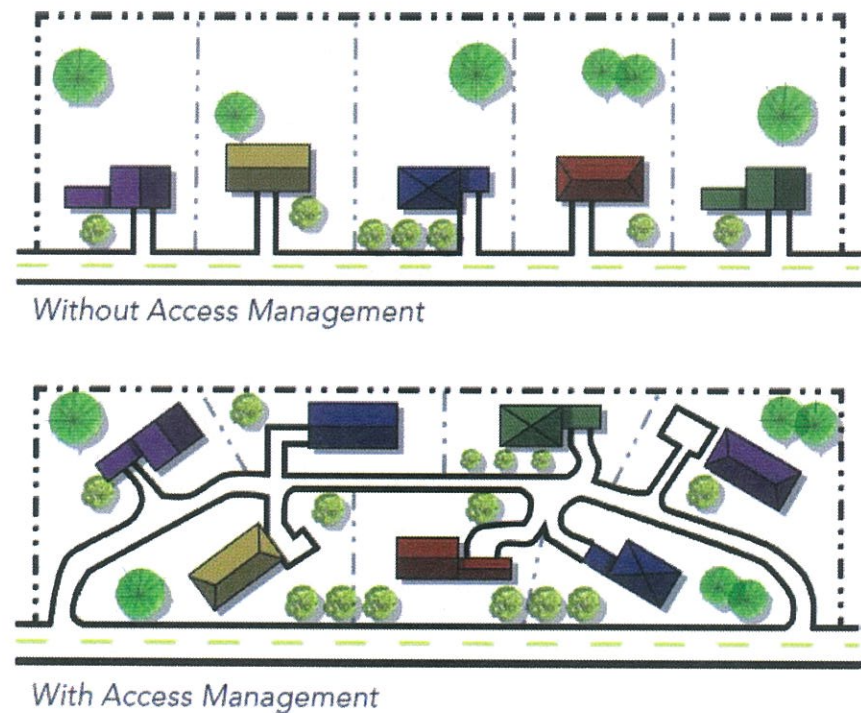
SPA 5 | Medium-Density Residential

Chapter 4

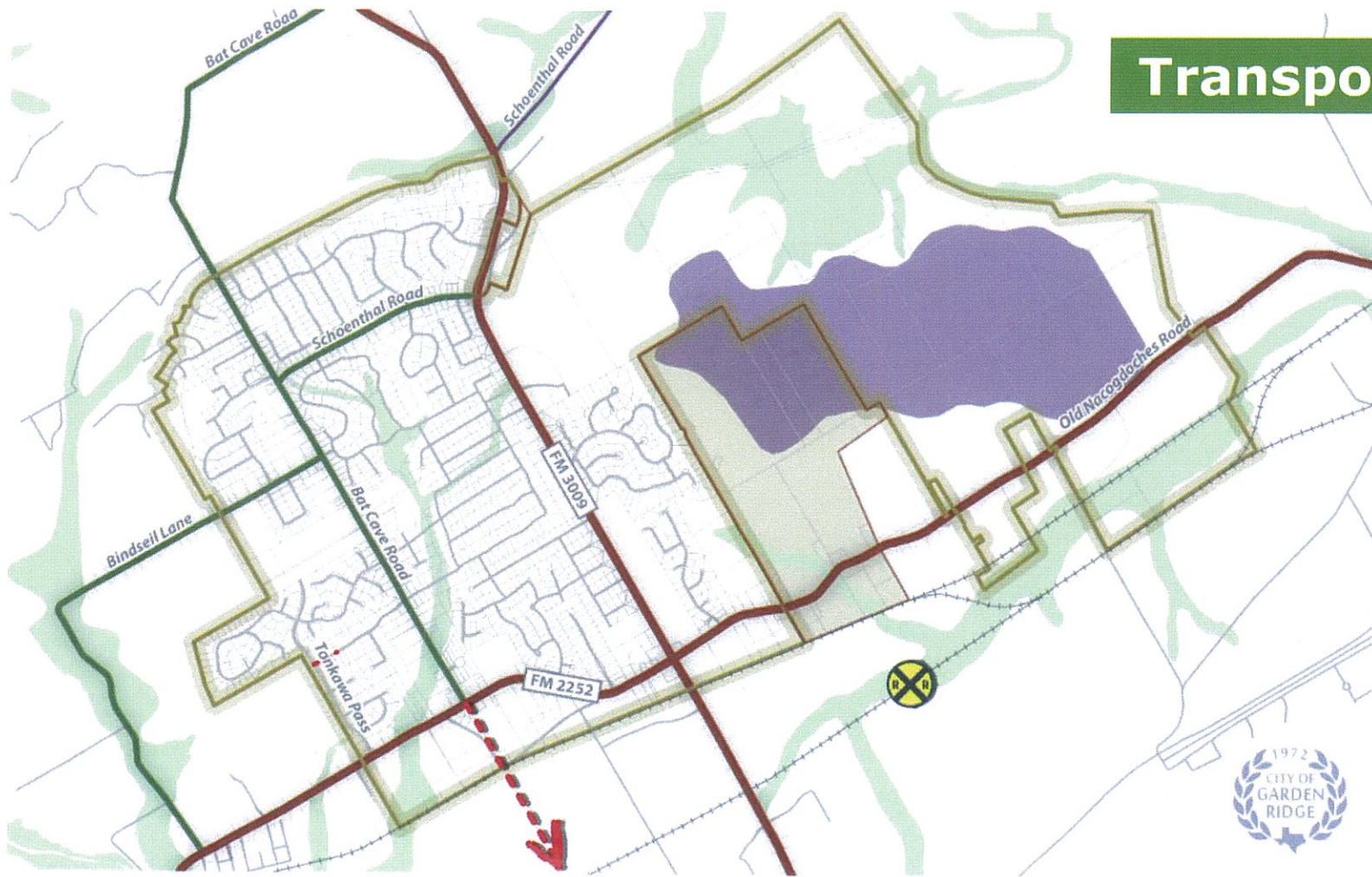
TRANSPORTATION

- » Existing conditions
- » Transportation plan
- » Traffic calming
- » Access management

Figure 6. Access Management



Transportation



--- Future Roadway Connections

⊗ Potential Rail Station

— Arterial Street

— Collector Street

— Local Street

■ Quarry

□ City Limits

□ ETJ

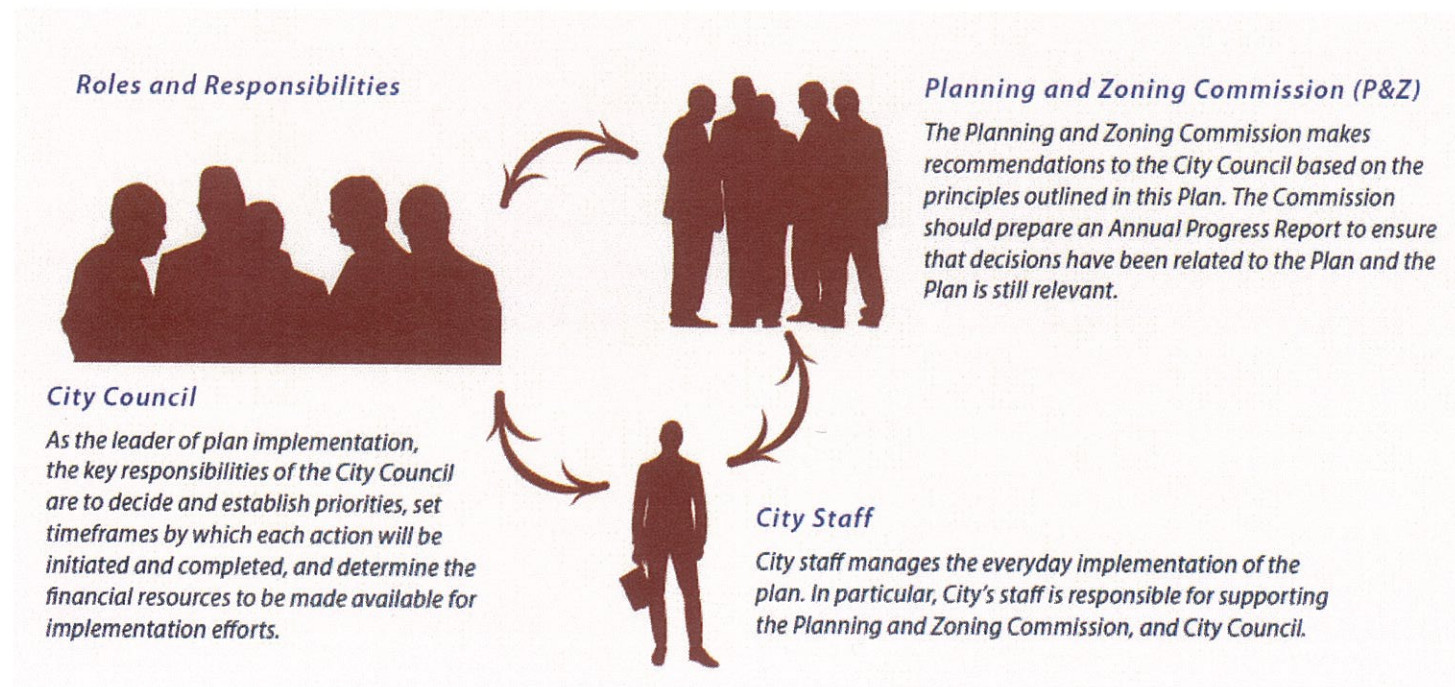


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FRESE NICHOLS

Chapter 5

IMPLEMENTATION



Chapter 5

Table 1. Implementation Matrix

Recommendation/Action	Goals	Responsible Party	Timeframe
Use the Future Land Use Map to guide all planning and zoning decisions	      	Staff, P&Z, and Council	On-going
Work with CPS energy to initiate a user agreement for the utility easement in Special Planning Area #1	   	Staff and Council	1-3 years
When land is platted in Special Planning Area #1, require parkland dedication for the linear park	   	Staff, P&Z, and Council	On-going
Rezone Special Planning Area #2 to a mixed use zoning district and update the zoning regulations to require the elements discussed on page 51	  	Staff and Council	ASAP
Rezone Special Planning Area #3 to a retail zoning district and update the zoning regulations to require the elements discussed on page 52	 	Staff and Council	ASAP
Rezone Special Planning Area #4 to a mixed use zoning district and update the zoning regulations to require the elements discussed on page 53	 	Staff and Council	ASAP
Rezone Special Planning Area #5 to a medium density residential zoning district and update the zoning regulations to require the elements discussed on page 54	 	Staff and Council	ASAP
Monitor to the status of the potential acquisition areas discussed on page 55	 	Staff	On-going
Begin discussions with the City of San Antonio for an ETJ agreement in growth areas #1 and #2	 	Staff and Council	1-3 years
Utilize the voluntary annexation incentive toolkit in growth area #1 and #2	 	Council	On-going

MATRIX LEGEND | 2017 Master Land Use Plan Goals



Protect existing residential neighborhoods.



Develop the vacant areas to the highest potential, in a quality manner, to provide an increase in tax base and services for residents.



Provide pathways for residents to safely move through the City on foot and bicycle.



Maintain the community character of the City through natural protection and design guidelines.



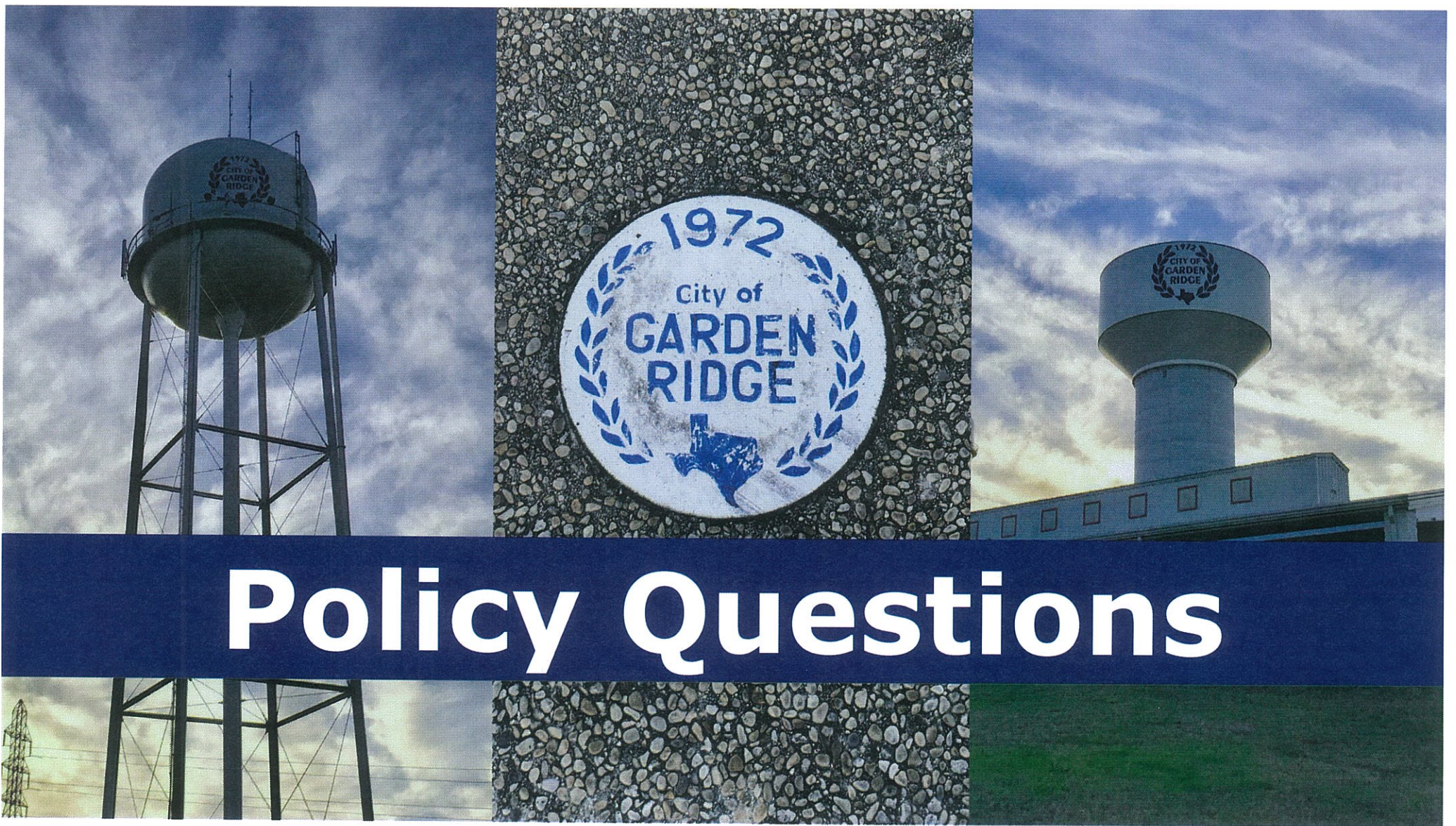
Develop strategies for expansion within the ETJ.



Make the City an inviting and unique place through gateways and corridor development.



Develop gathering places for residents to enjoy.



Policy Questions

Guidance on...

- » Schertz connection
- » Parkland
- » Special planning areas

Guidance on... ..●

- » Schertz connection
- » Parkland
- » Special planning areas



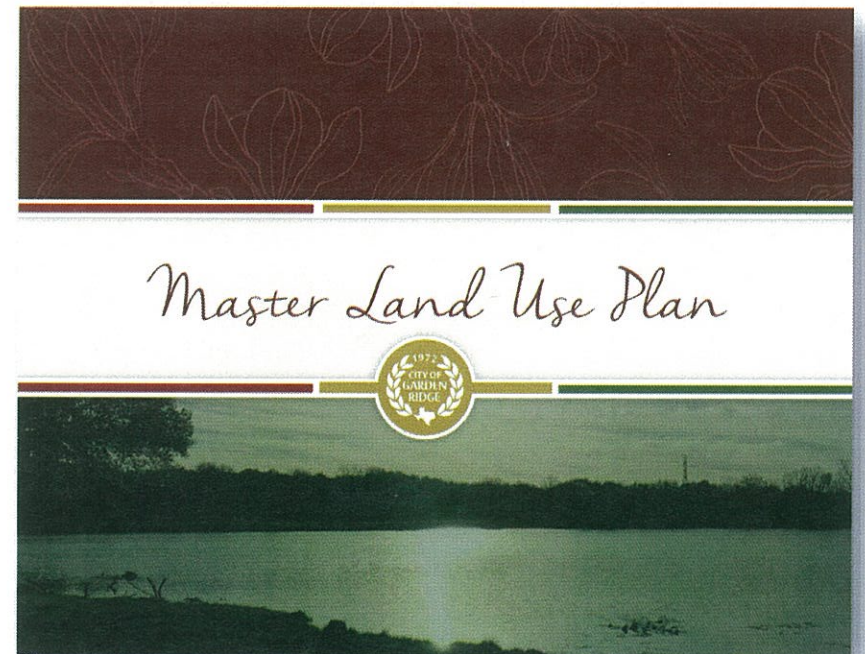
**Agreement on # of
planning areas?**



Committee Input

Input

- We need your input on draft plan!
- Post plan online 08/11





What's Next?

What's Next?

- » **August 11** – Post draft plan on project website
- » **August 28** – Public meeting #2
- » **September 25** – Steering Committee meeting #4
- » **October 23** – Joint Public Hearing for plan adoption

Public Meeting #2

- » **Outreach:** postcards, phone blast, email, Facebook, water bill, marquee, and City website
- » **Meeting format:**
 - Presentation
 - Input Stations

A poster for a public meeting. The background is a map of Garden Ridge with various colored zones. At the top, a dark blue banner contains the text 'We still need YOU to help plan the FUTURE of Garden Ridge!' in white and green. Below this, a dark grey box contains the text 'PUBLIC MEETING #2', 'Reveal of the draft Master Land Use Plan', 'Monday, August 28, 2017', '6:30 pm', and 'Garden Ridge Community Center'. To the right of this box is the City of Garden Ridge logo, which is a circular seal with '1972 CITY OF GARDEN RIDGE' and a star. At the bottom, a dark blue banner contains the text 'View the plan at: clients.freese.com/gardenridge' in green and white. The bottom of the poster features a dark blue banner with the text 'MASTER LAND USE PLAN' in white.

We still need **YOU** to help plan the **FUTURE** of Garden Ridge!

PUBLIC MEETING #2
Reveal of the draft Master Land Use Plan
Monday, August 28, 2017
6:30 pm
Garden Ridge Community Center

1972
CITY OF
GARDEN
RIDGE

View the plan at: clients.freese.com/gardenridge

MASTER LAND USE PLAN

City of Garden Ridge



Master Land Use Plan

Steering Committee Meeting #3 • August 7, 2017



Special Planning Area #3 – FM 2252 Retail



Special Planning Area #4 – FM 2252/FM 3009



Special Planning Area #3 – FM 2252 Retail

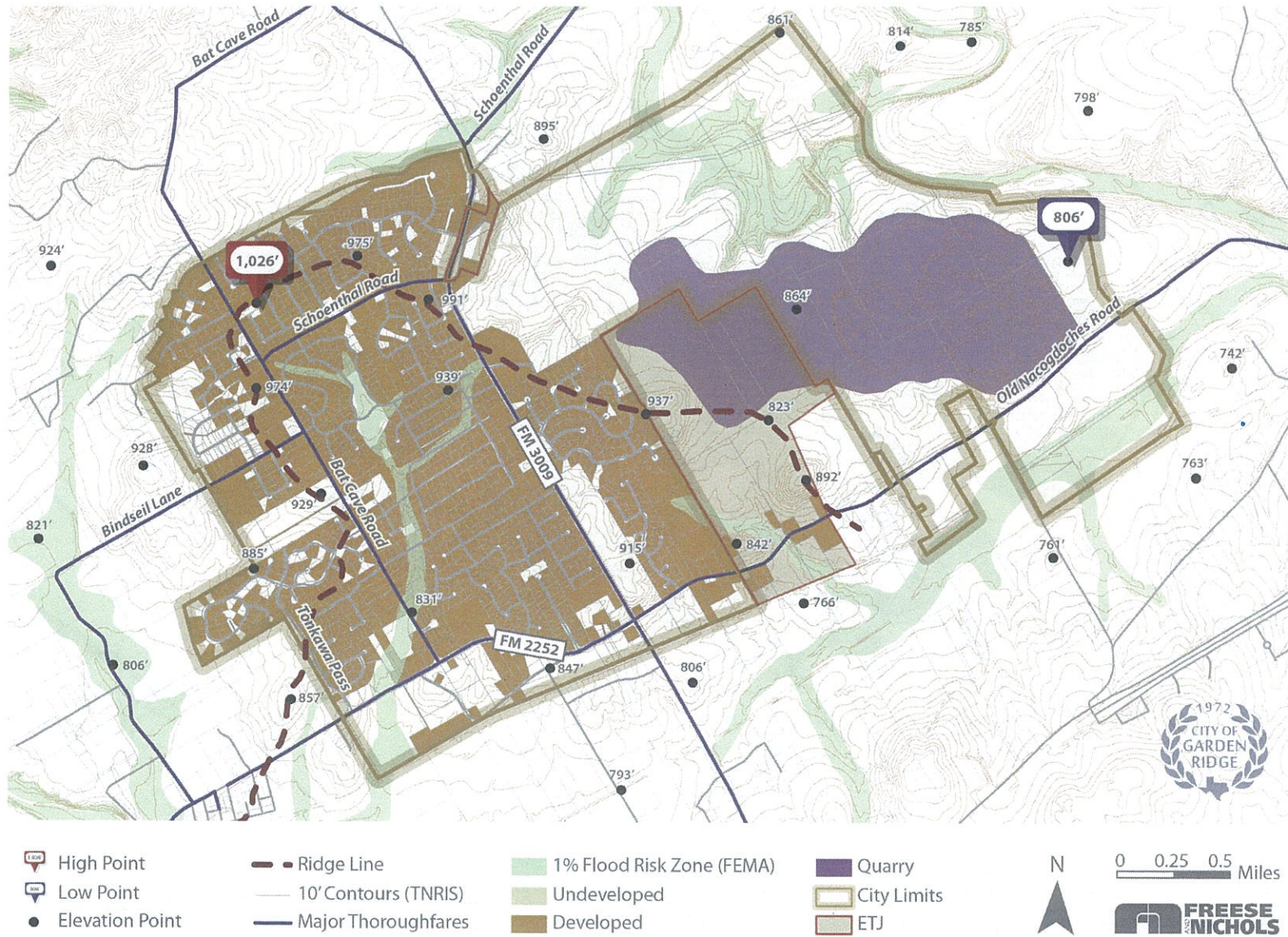


Special Planning Area #4 – FM 2252/FM 3009



Special Planning Area #5 – Medium Density Residential

Physical Constraints Map



Existing Land Use Map



Single Family
Manufactured Home
Parks and Open Space

Office
Retail
Commercial

Industrial
Public/Semi-Public
Vacant

Quarry
City Limits
ETJ

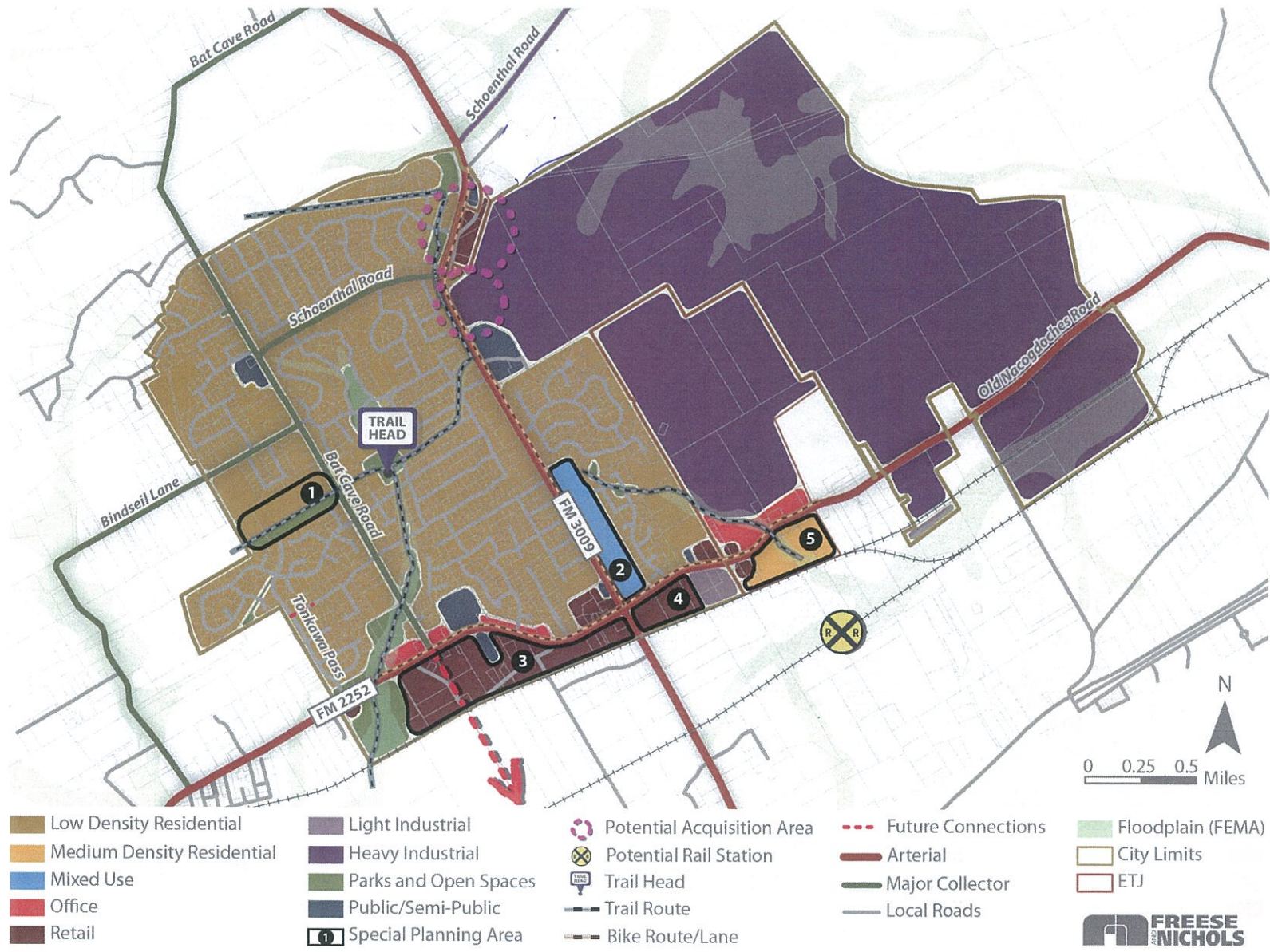


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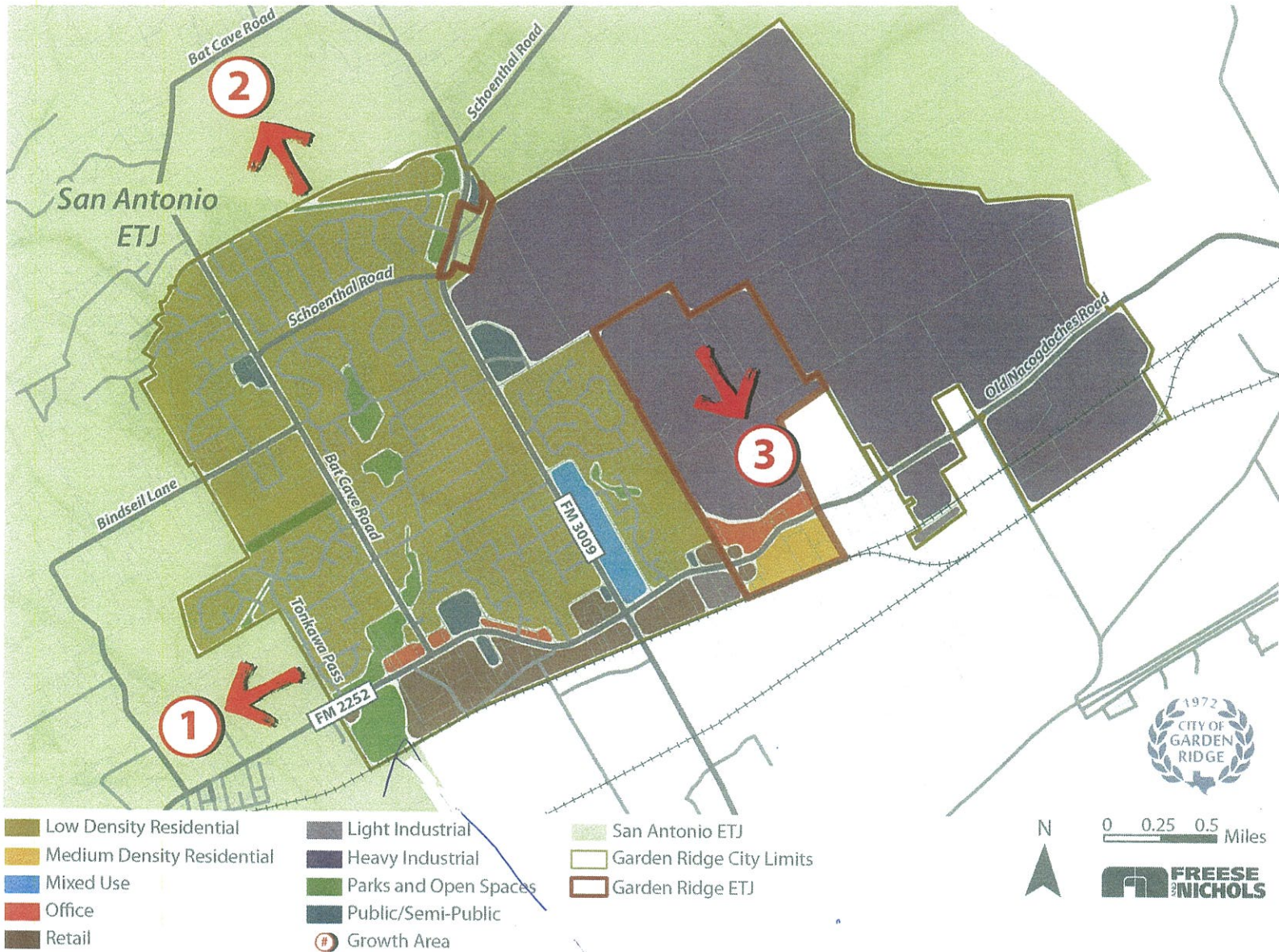
FREESE NICHOLS



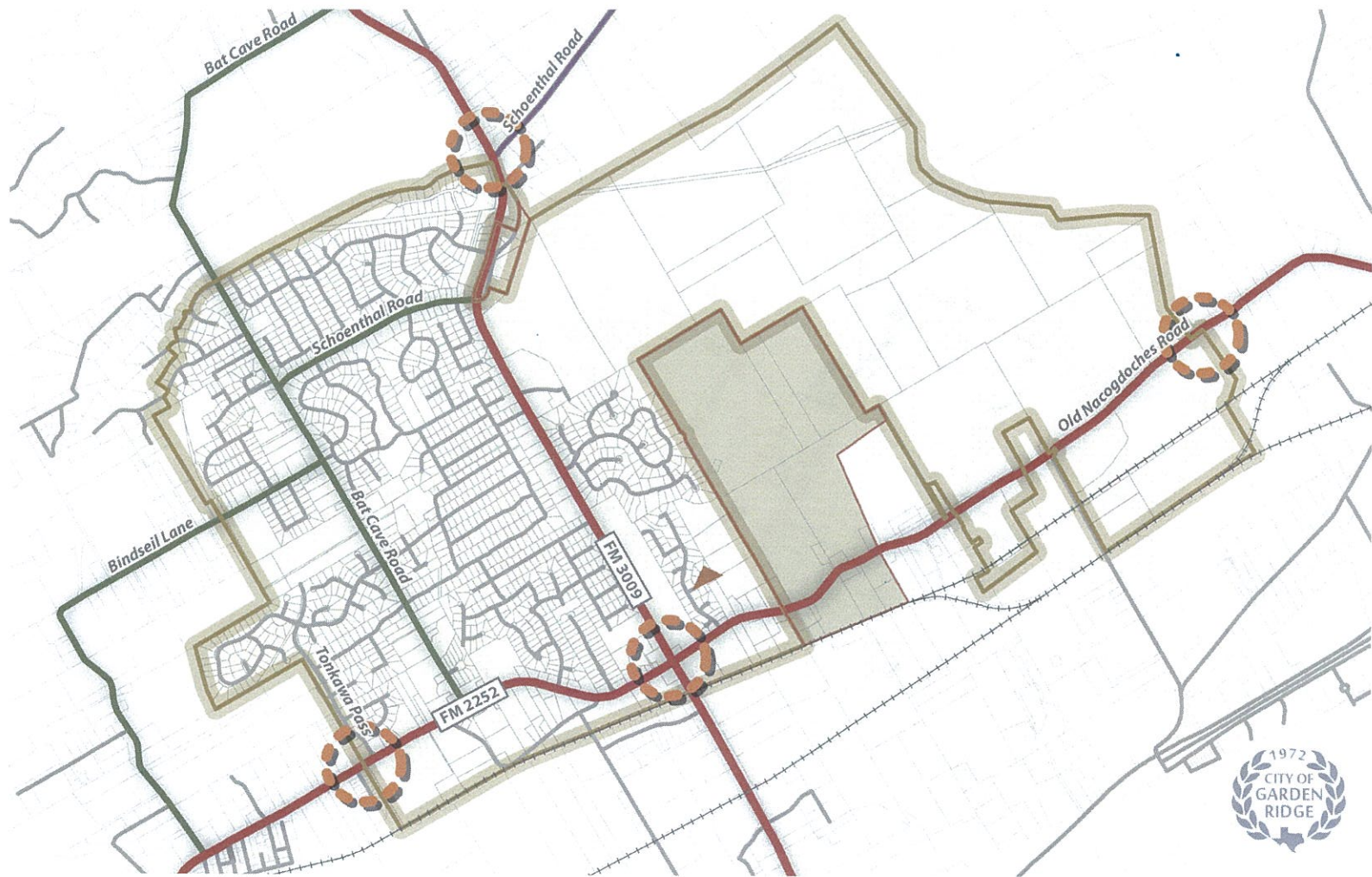
Future Land Use Map



Growth Map



Gateway Map



- Proposed Gateways
- Arterial
- Collector
- Local Streets
- City Limits
- ETJ



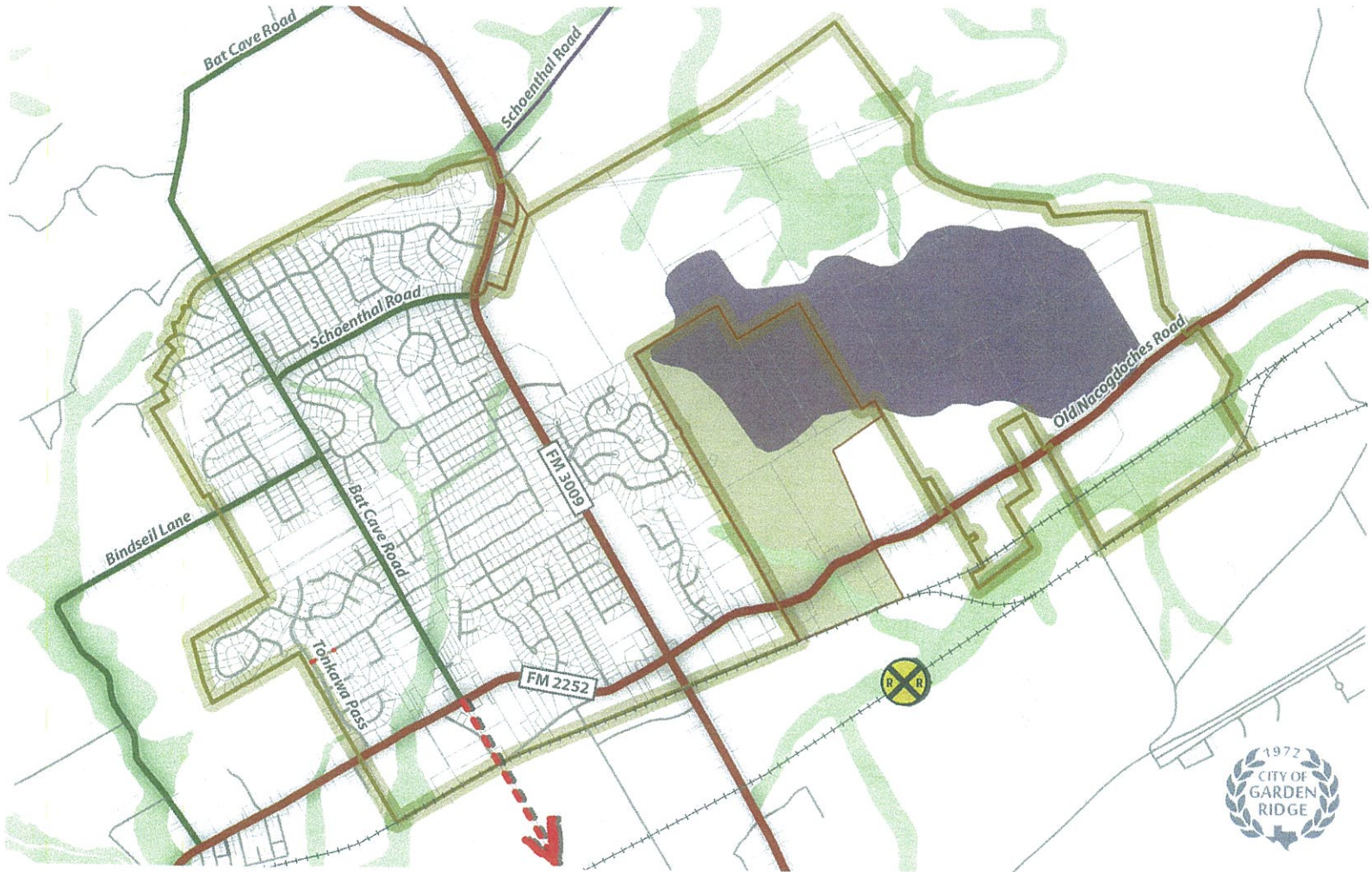
Neighborhood Trail Map



Traffic Counts Map



Transportation Plan Map



--- Future Roadway Connections
 Potential Rail Station

 Arterial Street
 Collector Street
 Local Street

 Quarry
 City Limits
 ETJ

N

0 0.25 0.5 Miles
 **FRESE NICHOLS**



**SIGN IN TO SPEAK AT THE August 7, 2017
CITY COUNCIL AND PLANNING AND ZONING COMMISSION JOINT MEETING**

Rules for Citizen's Participation:

The City Council and Planning and Zoning Commission welcomes citizen participation and comments at all of their Council Meetings. As a courtesy to your fellow citizens and out of respect to our elected officials, we request that if you speak, that you please follow these guidelines.

- a. Direct your comments to the entire Council and Planning and Zoning Commission, not to an individual member, nor to the audience.
- b. Show the City Council and Planning and Zoning Commission the same respect and courtesy that you would like to be shown.
- c. Limit remarks to three (3) minutes per citizen during Item 3 and to two (2) minutes per citizen during Item 5.
- d. Citizens' comments will be limited to one (30) minutes in Item 3 and thirty (30) minutes in Item 5.
- e. Citizens' comments may be deferred to a specific Business Item set forth in Section 4, below, if such comments pertain to such Business Item.

*NOTE: The Texas Open Meetings Act permits a member of the public or a member of the governmental body to raise a subject that has not been included in the notice for the meeting. However, any discussion of the subject **must be limited** to a proposal to place the subject on the agenda for a future meeting and any response to a question posed to the Council is limited to either a statement of specific factual information or a recitation of existing policy. TEX. GOV'T CODE § 551.042.*

Disclaimer:

Any disruptive behavior, including shouting or derogatory statements or comments, will be ruled out of order by the Presiding Officer. Continuation of this type of behavior could result in a request by the Presiding Officer that the individual leave the meeting, and if refused, an order of removal.

NAME	ADDRESS	SUBJECT
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____
7. _____	_____	_____
8. _____	_____	_____



City of Garden Ridge

"A way of life, not just a place to live"

MINUTES OF CITY COUNCIL SPECIAL MEETING, AUGUST 21, 2017

Members Present:

Mayor Larry Thompson
Mayor Pro-Tem John McCaw
Councilmember Todd Arvidson
Councilmember Robb Erickson
Councilmember Bryan Lantzy

Member Absent:

Councilmember Kay Bower

City Staff Present:

Nancy Cain, City Administrator
Ron Eberhardt, Police Chief
Royce Goddard, Water Manager
Karen Ford, Finance/HR
Shelley Goodwin, City Secretary

1. Call to Order

With a quorum of the City Council Members present, Mayor Thompson called the special meeting of the Garden Ridge City Council to order at 6:00 p.m. on Monday, August 21, 2017, in the City Council Chambers of the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas 78266.

2. Pledge of Allegiance

Mayor Thompson led the Pledge of Allegiance.

3. Citizen's Participation – Limited to three (3) minutes.

No one wished to speak.

4. Proposed 2017 Property Tax Rate

a) Presentation on tax rate proposal

Nancy Cain, City Administrator, provided a presentation on the proposed 2017 Fiscal Year (FY) Tax Rate. She reviewed the FY2016 Tax Rate, FY 2017 Effective Tax Rate and the FY2017 Roll Back Tax Rate. She also reviewed the impact on property owners and the percentages each entity receives from a Garden Ridge tax payer's bill. She stated the proposed 2017 Fiscal Year (FY) Tax Rate is \$.323146 and will fund the adopted budgets.

b) Public Hearing to receive comments

Mayor Thompson opened the public hearing at 6:07 p.m. and asked if anyone wished to speak. No one did, so Mayor Thompson closed the public hearing at 6:08 p.m.

- c) **Announce date, time and place of:**
 - i. **Second public hearing on proposed 2017 Property Tax Rate (Wednesday, August 30, 2017, 6:00 p.m., City Council Chambers, 9400 Municipal Parkway, Garden Ridge, Texas)**
 - ii. **City Council vote on the 2017 Property Tax Rate (Wednesday, September 6, 2017, 6:00 p.m., City Council Chambers, 9400 Municipal Parkway, Garden Ridge, Texas)**

Mayor Thompson announced the second public hearing on the proposed 2017 Property Tax Rate will be held on Wednesday, August 30, 2017, 6:00 p.m., City Council Chambers, 9400 Municipal Parkway, Garden Ridge, Texas. He also announced City Council will be voting on the 2017 Property Tax Rate at their Regular City Council Meeting on Wednesday, September 6, 2017, 6:00 p.m., City Council Chambers, 9400 Municipal Parkway, Garden Ridge, Texas.

5. Master Land Use Plan

- a) **Announce upcoming meetings:**
 - i. **Town Hall- Monday, August 28, 2017, Community Center, 9400 Municipal Parkway, Garden Ridge, Texas (doors open at 6 p.m.)**
 - ii. **Steering Committee Meeting-Monday, September 25, 2017, at 6:00 p.m. in the City Council Chambers, 9400 Municipal Parkway, Garden Ridge, Texas**
 - iii. **Steering Committee Meeting-Public Hearing-Monday, October 23, 2017, at 6:00 p.m. in the City Council Chambers, 9400 Municipal Parkway, Garden Ridge, Texas**

Mayor Thompson announced the upcoming Town Hall Meeting and Steering Committee Meetings. He also stated there will be a public hearing on October 23, 2017 and then adoption of the Master Land Use Plan. He also announced at the Town Hall Meeting on August 28, 2017, Councilmember Arvidson will have a table set up so residents can list their concerns regarding state roads in Garden Ridge. He stated the City Council will then review the list and arrange a public meeting with TxDOT to discuss the concerns.

Councilmember Arvidson stated he met with Nancy Cain, City Administrator, and they have a plan for obtaining residents' concerns regarding TxDOT roadways.

Mayor Thompson provided the different ways the City is getting the word out about the Town Hall Meeting. He also stated there is a video announcement that has been posted to the City website and he encouraged everyone watch the announcement and share it with others.

Nancy Cain, City Administrator, stated the draft Master Land Use Plan is online; she encouraged everyone to review the plan and bring their questions to the Town Hall Meeting to be answered.

6. Citizen's Participation – Limited to two (2) minutes.

No one wished to speak.

7. Adjournment

There being no further business, the Monday, August 21, 2017 Garden Ridge City Council Special Meeting was adjourned at 6:20 p.m. by Mayor Thompson.

Larry Thompson
Mayor

ATTEST

Shelley Goodwin, TRMC
City Secretary



City of Garden Ridge

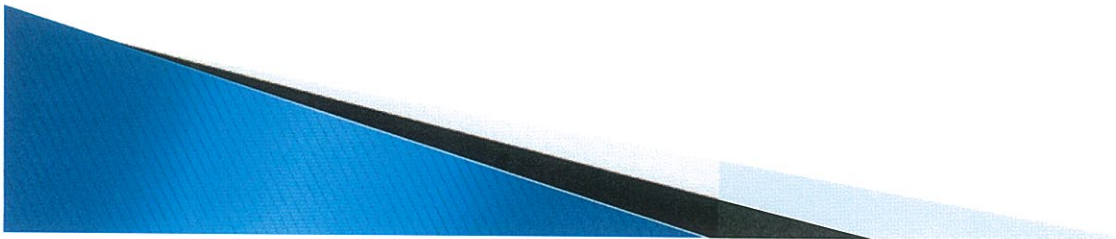
2017 Proposed Tax Rate

August 2017

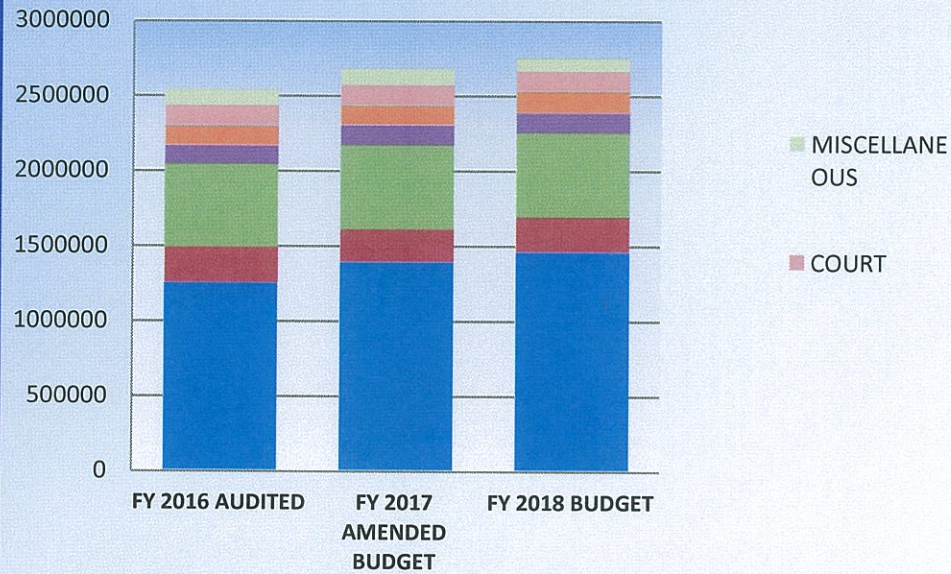
FY2018 General Fund and Interest & Sinking Fund Budgets
approved on August 7, 2017

2018 Tax Revenue

General Fund	\$1,447,069
Interest & Sinking Fund	\$778,469



CITY OF GARDEN RIDGE GENERAL FUND REVENUES



FUND SOURCES	FY 2016	FY 2017	FY 2018
SHOWN AS % OF TTL	AUDITED	AMENDED BUDGET	BUDGET
AD VALOREM TAXES	49.4%	52.0%	53.1%
SALES TAXES	9.3%	8.1%	8.4%
FRANCHISE FEES	21.8%	20.9%	20.3%
PERMITS	4.8%	5.0%	4.9%
LICENSES	0.1%	0.1%	0.1%
FEES	5.0%	4.7%	5.1%
DONATIONS	0.4%	0.2%	0.2%
COURT	5.2%	5.0%	4.9%
MISCELLANEOUS	3.9%	4.0%	3.0%

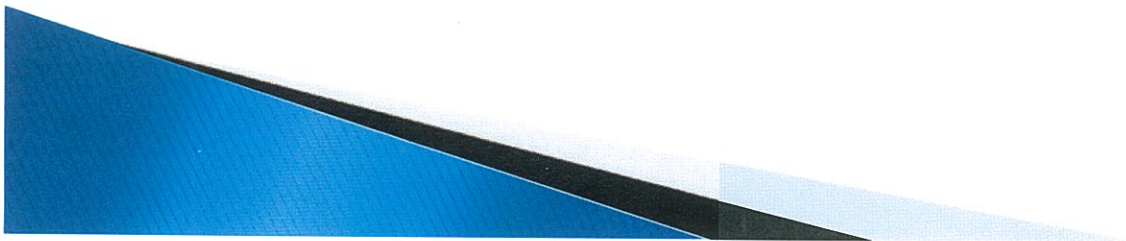
2017 Total Taxable Value	\$694,225,437
Taxable Value for new improvements	\$ 8,194,030
Adjusted Taxable Value	\$686,031,407

2016 Tax Rate	\$.318305
2017 Effective Tax Rate	\$.312608
2017 Roll Back Tax Rate	\$.327705

2017 Tax Rate Proposal	\$.323146/\$100
------------------------	-----------------

- ❖ M&O Rate \$.211012 (5.716% increase)
- ❖ Debt Rate \$.112134

Fully funds the adopted budgets.



City of Garden Ridge

Property Tax Rate

Fiscal Year	Basic Rate	Debt Service	Total
2017*	0.211012	0.112134	0.323146
2016	0.203241	0.115064	0.318305
2015	0.1918	0.1084	0.3002
2014	0.1899	0.0858	0.2757
2013	0.182658	0.100588	0.283246
2012	0.171176	0.097620	0.268796
2011	0.164696	0.098276	0.262972
2010	0.161900	0.092908	0.254808
2009	0.146696	0.062841	0.209537
2008	0.149798	0.071226	0.221024
2007	0.150514	0.081946	0.232460
2006	0.171219	0.061241	0.232460
2005	0.172111	0.060349	0.232460
2004	0.170865	0.064135	0.235000

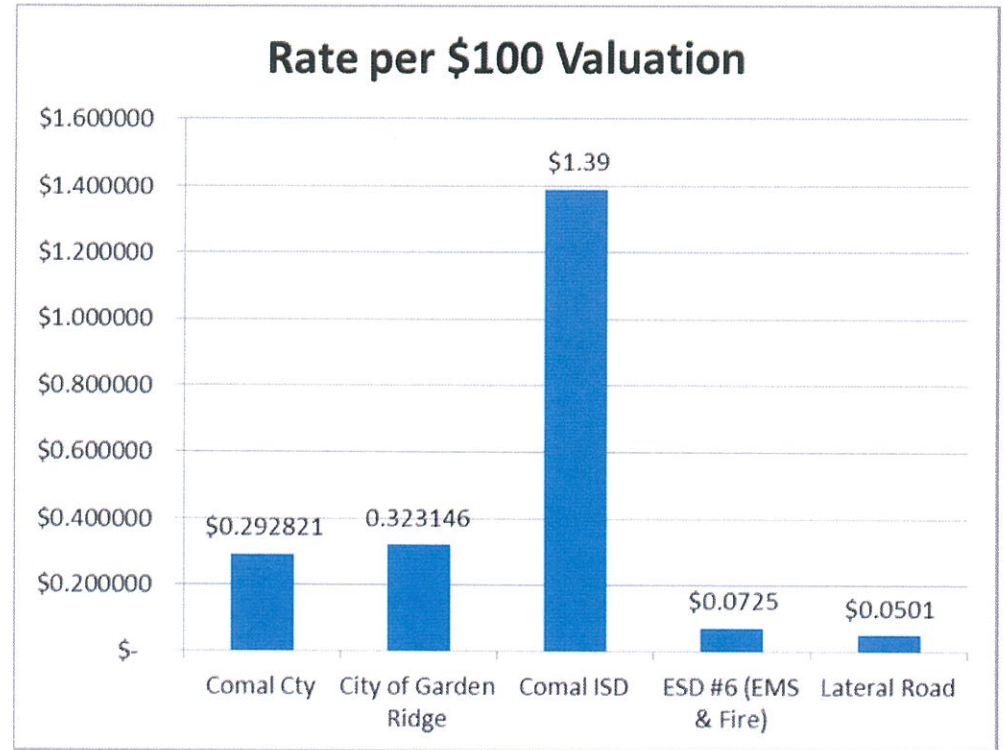
* PROPOSED 2017 TAX RATE



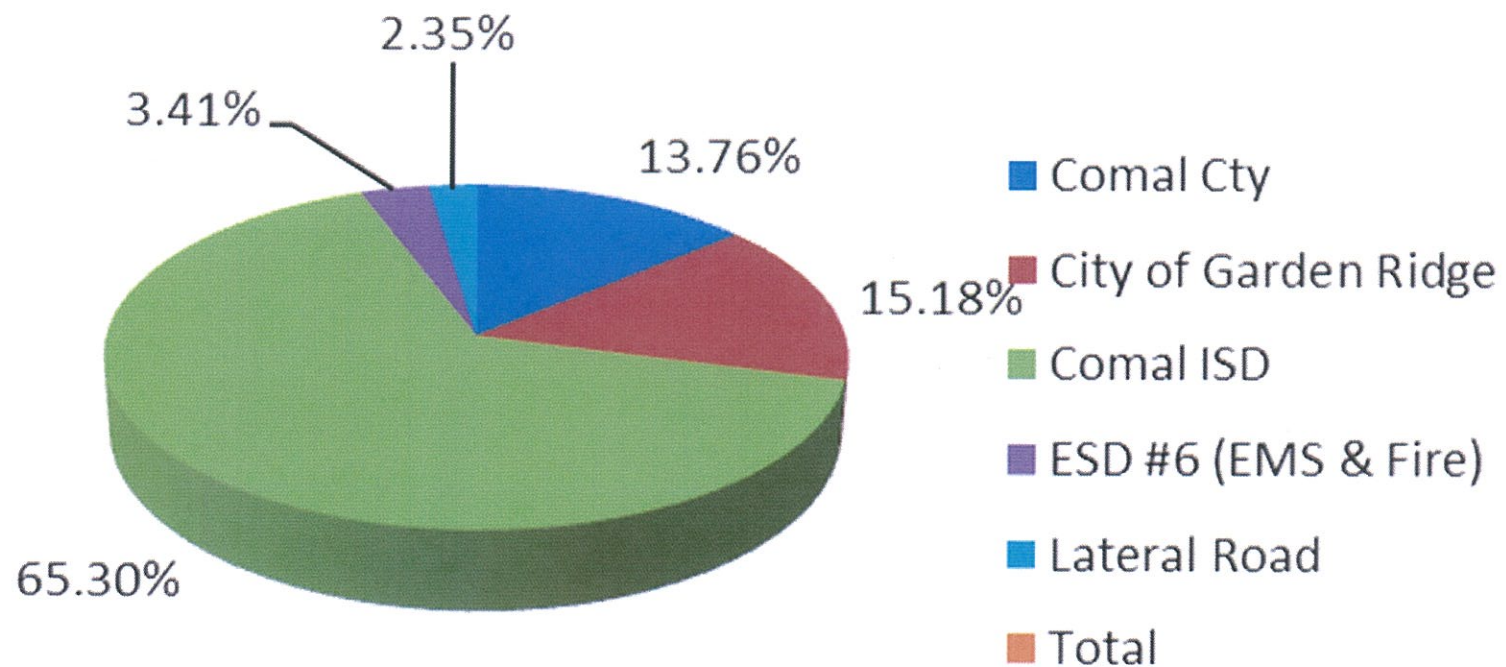
City of Garden Ridge

Rate per \$100 Valuation
Based on \$448,667 average home value

Taxing Entity	Rate per \$100	%
Comal Cty	\$ 0.292821	13.76%
City of Garden Ridge	\$ 0.323146	15.18%
Comal ISD	\$ 1.39	65.30%
ESD #6 (EMS & Fire)	\$ 0.0725	3.41%
Lateral Road	\$ 0.0501	2.35%
Total	<u>\$ 2.128567</u>	



Rate Per \$100 Valuation as %



CITY OF GARDEN RIDGE

MONTHLY ACCOUNT BALANCES & INTEREST RATES

PERIOD ENDED AS OF 07/31/2017

CITY FUNDS	BALANCE	CURRENT INTEREST RATE
GF OPERATING ACCOUNT	\$ 124,112.91	0.0000%
GF MONEY MARKET	297,742.68	0.1500%
TEXPOOL INVESTMENTS	1,638,386.71	0.9674%
ASSET/FORFEITURE - STATE	97.72	0.0000%
ASSET/FORFEITURE - FED	123,890.44	0.1400%
2009 REFI	62,184.06	0.1000%
2009 I&S	45,980.72	0.1300%
2012 REFI	138,845.59	0.1500%
2012 I&S	37,788.58	0.1300%
2015 I&S	3,073.51	0.1500%
2012 CIP PROJECT	29,893.36	0.0500%
2015 CIP PROJECT	12,862.73	0.1300%
STREET IMPACT FEES	6,872.44	0.0500%
CONSTRUCTION BOND	313,321.67	0.1500%
TEXPOOL 2015 CIP PROJECT	2,937,205.91	0.9674%
TEXPOOL STREET IMPROV	31,437.84	0.9674%
PEG CAPITAL FEES	93,807.31	0.0000%
TOTAL CITY FUNDS	\$ 5,897,504.18	
AVERAGE INTEREST RATES - CITY		0.3023%

WATER FUNDS	BALANCE	CURRENT INTEREST RATE
WATER IMPACT FEES	\$ 6,216.99	0.0500%
TEXPOOL WATER INVEST	1,601,797.37	0.9674%
TEXPOOL IMPACT FEES	1,637.27	0.9674%
TEXPOOL WATER RIGHTS	4,947.20	0.9674%
WATER SURCHARGE	144,815.53	0.1500%
OPERATING ACCOUNT	436,946.90	0.1500%
TOTAL WATER FUNDS	\$ 2,196,361.26	
AVERAGE INTEREST RATES - WATER		0.5420%

TOTAL ALL ACCOUNTS	\$ 8,093,865.44	
AVERAGE INTEREST RATES - ALL ACCOUNTS		0.3564%

CITY OF GARDEN RIDGE
STATEMENT OF ACTIVITIES
CURRENT AND YEAR TO DATE AS OF 07/31/2017

GENERAL FUND	Jul-17	YTD	FY 2017 BUDGET	% OF BUDGET	BUDGET BALANCE
REVENUES	\$ 66,623.90	\$ 2,358,417.01	\$ 2,670,121.00	88.3%	\$ 311,703.99
EXPENDITURES					
ADMINISTRATION	50,448.85	508,297.07	742,067.00	68.5%	233,769.93
COURT	4,216.75	58,496.57	77,592.00	75.4%	19,095.43
POLICE	86,011.29	924,407.95	1,206,236.00	76.6%	281,828.05
PUBLIC FACILITIES	29,699.92	313,708.62	437,111.00	71.8%	123,402.38
COMMUNITY CENTER	2,637.77	41,491.88	55,948.00	74.2%	14,456.12
LIBRARY	4,477.51	42,361.90	59,522.00	71.2%	17,160.10
TOTAL EXPENDITURES	177,492.09	1,888,763.99	2,578,476.00	73.3%	689,712.01
NET POSITION	\$ (110,868.19)	\$ 469,653.02	\$ 91,645.00		\$ (378,008.02)

WATER FUND	Jul-17	YTD	FY 2017 BUDGET	% OF BUDGET	BUDGET BALANCE
REVENUES	\$ 248,472.71	\$ 1,174,516.19	\$ 1,414,035.00	83.1%	\$ 239,518.81
EXPENDITURES	65,101.86	1,366,998.31	2,906,014.00	47.0%	1,539,015.69
NET POSITION	\$ 183,370.85	\$ (192,482.12)	\$ (1,491,979.00)		\$ (1,299,496.88)

CITY OF GARDEN RIDGE
STATEMENT OF ACTIVITIES - COMMUNITY CENTER
PERIOD ENDED AS OF 07/31/2017

REVENUES	YTD
RENTALS	\$ 28,550.00
DEPOSITS	16,505.00
DEPOSITS REFUNDED	(11,505.00)
DONATIONS	500.00
TOTAL REVENUES	<u>34,050.00</u>
 EXPENDITURES	
MANAGER FEES	13,971.50
TELEPHONE	470.00
UTILITIES	5,803.13
MAINTENANCE	4,957.06
SUPPLIES	756.04
CLEANING	3,840.00
EQUIPMENT	189.15
MARKETING	-
DONATION EXPENDITURES	-
FACILITY ENHANCEMENTS	-
TOTAL EXPENDITURES	<u>29,986.88</u>
 NET POSITION	<u><u>\$ 4,063.12</u></u>

RESOLUTION NO. 421-092017

A RESOLUTION OF THE CITY OF GARDEN RIDGE RATIFYING CITY COUNCIL'S FINDING OF AN EMERGENCY REGARDING WATER WELL 2 EQUIPMENT FAILURE AND DETERMINATION THAT IMMEDIATE REPAIRS TO WATER WELL 2 WERE NECESSARY TO PROTECT AND PRESERVE THE PUBLIC HEALTH AND SAFETY; AUTHORIZING THE CITY STAFF TO FOREGO THE COMPETITIVE BIDDING PROCESS AND TO RETAIN A CONTRACTOR TO UNDERTAKE NECESSARY REPAIRS TO WATER WELL 2.

WHEREAS, the City Council of the City of Garden Ridge ("the Council"), was informed at the July 7, 2017, Regular Call Meeting that Water Well 2 was off-line due to a broken well shaft; and

WHEREAS, Council was advised of the anticipated costs of the repairs and the possibility of exceeding competitive bidding requirements; and

WHEREAS, Council determined that the unforeseen equipment failure at Water Well 2 would negatively impact the City's water supply system because of the increased demand for water during the summer months; and

WHEREAS, Council determined that the failure could results in a water shortage threatening the health and safety of the citizens if immediate repairs were not undertaken; and

WHEREAS, immediate repairs to the were necessary to preserve and protect the health and safety of the city's residents, as well as to protect the property of the City from further damage; and

WHEREAS, Texas Local Government Code 252.022 authorizes a municipality to forgo the competitive bidding process for services necessary because of unforeseen damages to public equipment and property; and

WHEREAS, Texas Local Government Code 252.022 authorizes a municipality to forgo the competitive bidding process when an expenditure is necessary to preserve or protect the public health or safety of the municipality's residents;

NOW THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GARDEN RIDGE, TEXAS:

1. The Council finds that the immediate repairs to Water Well 2 were necessary to repair the unforeseen damage to City equipment and property and to protect and preserve the public health and safety of the residents of Garden Ridge.

2. The Council finds that the emergency repairs to Water Well 2 were authorized by minute order as documented in the July 7, 2017, minutes.

3. The Council declares that all actions taken, pursuant to the direction of Council, in addressing the emergency repairs to Water Well 2 are hereby duly ratified.

4. This Resolution shall be in force and effect from and after its final passage, and it is so resolved.

PASSED AND ADOPTED on this the ____ day of _____, 2017.

CITY OF GARDEN RIDGE

Larry Thompson, Mayor

ATTEST:

Shelley Goodwin, City Secretary, TRMC

CITY OF GARDEN RIDGE BUILDING REPORT

7/21/2017 THRU 8/20/2017

MAJOR PERMITS

Permit #	Address	Builder	Sq Ft.	Value \$	Permit Fees
1231 -17	8234 Shining Elk	Chesmar Homes	4,673	\$607,490.00	\$ 3,753.80
TOTAL			4,673	\$607,490.00	\$ 3,753.80

MINOR PERMITS

Permit #	Address	Builder	Project	Permit Fees
1222 -17	21306 Maricopa Pass	Courtney Burroughs	Fence	\$ 125.00
0058 -17	22021 Las Cimas	Aritron	Minor HVAC	\$ 100.00
1223 -17	9305 Gloxinia Dr	Solis Welding Shop	Fence	\$ 125.00
1224 -17	22211 Quite Moon Dr.	Gary Wolfe	Patio Cover	\$ 100.00
1225 -17	21306 Maricopa Pass	Will's All Pro Plumbing & AC	Minor Plumbing	\$ 100.00
1226 -17	21549 Forest Waters cir.	Alamo Fence of S.A.	Fence	\$ 125.00
1227 -17	20814 Wahl Lane	Jetter Electric	Minor Electric	\$ 125.00
1228 -17	9285 Cinchona Tr.	Tri-County Fence	Fence	\$ 125.00
1229 -17	8315 Shining Elk	Tuff Shed	Outbuilding	\$ 100.00
1230 -17	8310 Garden Arbor	Cody Pools	Pool, Deck	\$ 573.40
1232 -17	21119 Paradise Pass	Douglas Zaruba	Fence	\$ 125.00
1233 -17	20526 Cedar Cavern	Elbel Plumbing	Minor Plumbing	\$ 100.00
1234 -17	8214 Shining Elk	Chesmar Homes	Fence	\$ 125.00
TOTAL				\$ 1,948.40

TOTAL MAJOR FEES FOR THE MONTH	\$ 3,753.80
TOTAL MINOR FEES FOR THE MONTH	\$ 1,948.40
TOTAL ALL PERMIT FEES FOR THE MONTH	\$ 5,702.20

TOTAL MAJOR PROJECTS VALUE 10/1/2016 thru 8/20/2017	\$ 15,738,450.00
TOTAL MAJOR PROJECTS SQ FT. 10/1/2016 thru 8/20/2017	121,065

TOTAL MAJOR PERMIT FEES 10/1/2016 thru 8/20/2017	\$ 94,621.56
TOTAL MINOR PERMIT FEES 10/1/2016 thru 8/20/2017	\$ 27,966.39
TOTAL ALL PERMIT FEES FOR THE FISCAL YEAR	\$ 122,587.95

GARDEN RIDGE COMMUNITY CENTER MONTHLY REPORT

2017

July 21st thru August 20th

New Events Booked in Current Month	Charged	3
	No Charge	1

2016-2017

Total Number Year to Date	67
Total Number of Events for the Month	1
Total Number of Days used in the Month	3
Total Number cancelled for the Month	0

2015-2016

Total Number of Events for the Year	74
Total Number of Days Used for the Year	248
Total Number cancelled for the Year	2
Wildflower and Bluebonnet Room	

2014-2015

Total Number of Events for the Year	81
Total Number of days Used for the Year	261
Total Number cancelled for the Year	4
Wildflower and Bluebonnet Room	

Past years	# of Events	# of Days
2013-2014	77	258
2012-2013	73	252
2011-2012	76	257
2010-2011	72	241
2009-2010	65	208
2008-2009	67	199

Council Ideas/Suggestions List by Category

Updated: August 23, 2017

Ongoing items

Items	Status	Completed Council Approval
1. Personnel Policy (Mayor Knaus) Incentive Pay (Councilman Thompson)	Meeting scheduled for May 18, 2016 with City Council, staff, City Attorney to begin review of draft document Incentive Pay will be discussed during Personnel Policy draft document discussions 6/15/16 – City Attorney looking at another possible policy for Council Consideration and to bring back to Council upon completion of review City Attorney continues work on revising policy with proposed revised chapters to Council for comment City staff working on plan to complete policy for presentation to Council Presenting City Council (4/5/17) with proposal from Seeking to complete Employee Handbook and Policy Further discussion and direction on proposal to be provided by City Council on May 3, 2017 Staff reviewing a policy reviewed by an attorney at Hogwild for possible presentation to City Council Staff working on a draft policy for Council consideration prior to beginning of new fiscal year Staff continues work on a draft policy for City Council consideration	
2. Electronic Water Billing (Councilman Thompson)	Software upgrade on May 19 Include in FY 2017 Budget Begin implementation FY 2017 Full implementation TBD Online water bill payments active September 14, 2016 Online Court payments active October 2016	Software upgrade completed
3. Community Center (Councilman Lantzy)	Comparing pricing of similar venues Developing fully loaded cost for facility Acquiring estimates for removal of overhead doors, sound system, commercial stove, AC system Developing list of aesthetical improvements to center that may affect lighting, energy and electrical improvements Staff working on maintenance items Comparing contracts from other venues for revisions to current contract Bring information at hand to Council in June for	

	discussion and direction Councilman Lantzy discussed Community Center with Council on 6/6/16 Proposals for door removal, new air conditioning and ducting received and to be presented to City Council with funding through CIP Council approved funding on August 3, 2016 through CIP. Doors removed, new air conditioning installed. Awaiting install of duct work on September 12, 2016 Duct work installation completed September 12/13, 2016 City Attorney revising Community Center Contract per Council direction 10/5/16 – Marketing and future projects being discussed by Council Work continues on revising Community Center Contract Council to consider revised agreement in Feb. Council meeting Revised agreement approved Feb. 13, 2017 and being utilized Interior door/window frames and doors painted a neutral color to enhance appearance Rate structure for Community Center and presence on the City's webpage are being worked on	
4. Training for Commissioners (Councilman Thompson)	Continuous/Ongoing Staff will advise Commissioners of training/seminars as information available Budget Training/Travel annually Councilman Thompson to attend TML Newly Elected Officials training August 18 Councilmen Thompson and Trial attended August 18, 2016 training Two P&Z members and Councilman attended AACOG Planning & Zoning training P&Z Chair Stocks to attend a training session in February 2017 Councilman Trial, P&Z Commissioner Bower, City Secretary and City Administrator participated in a TML Webinar on economic development in February Councilwoman Bower attended the TML Newly Elected Officials training in August	
5. Update Ordinances (Councilmen Thompson and Lantzy)	Cost for Codifying to be included in FY 2017 Budget Work with legal to develop plan for updating Identify ordinances to be updated Codifying of ordinances postponed due to budgetary constraints A revised Animal Control Ordinance is being worked by staff for consideration by City Council	
6. Quarterly Issues Town Hall Meeting	Determine dates for Meetings	

(Councilman Lantzy)		
7. Bat Cave Road widening (Councilman McCaw)	General briefing on future agenda	
Pending	Status	Completed Council Approval
1. Annual or semi-annual inspection of buildings and other City facilities (Councilman Thompson)	To be implemented semi-annually	Implemented Monthly
2. Disaster recovery plan for City (Councilman Thompson)	Discuss at future Council meeting to determine the scope of recovery plan To be incorporated into the Emergency Management Plan for the City	
3. Disaster recovery plan for Water Department (Councilman Thompson)	Discuss at future Council meeting to determine the scope of recovery plan To be incorporated into the Emergency Management Plan for the City	
4. Video stream Council meetings (Councilman Thompson)	Discuss with legal pros/cons Sound system in Council room can be planned for future streaming capabilities Requires additional technology upgrades and equipment Budget impact Video streaming of Council meetings will be studied during the fiscal year	
5. Videos for website (Councilman Thompson)	Maybe prepared by GRES or students to increase civic involvement	
6. Coffee with Mayor and Council (Councilman Thompson)	Discuss at future Council meeting and determine dates Mayor Thompson began conducting Coffee with the Mayor the first Monday in July	
7. Business outreach by Council – walk businesses (Councilman Thompson)	Discuss at future Council meeting	



GARDEN RIDGE POLICE DEPARTMENT

SEPTEMBER JULY 21ST – AUGUST 20TH CALLS FOR SERVICE

Location	Calls	Code	Water	Total
ARROWOOD	0	0	0	0
BAT CAVE ROAD	1	0	0	1
BINDSEIL	0	0	0	0
COUNTRY OAK ESTATES	0	0	0	0
ENCLAVE AT GARDEN RIDGE	2	0	0	2
FM 2252	31	0	0	31
FM 3009	26	0	0	26
FOREST WATERS	7	1	0	8
GARDEN RIDGE ESTATES	26	5	2	33
GEORG RANCH	12	0	1	13
MUNICIPAL COMPLEX	8	0	0	8
NACOGDOCHES LOOP	2	0	0	2
OAK MEADOW ESTATES	2	1	0	3
PARK LANE ESTATES	2	1	0	3
REGENCY OAKS	2	0	0	2
SCHOENTHAL ROAD	1	0	0	1
THE FOREST OF GARDEN RIDGE	1	0	1	2
THE PARK AT GARDEN RIDGE	1	0	0	1
TROPHY OAKS	6	1	2	9
TWISTED OAKS	0	0	0	0
WILD WIND	1	1	0	2
WOODS OF GARDEN RIDGE	2	0	0	2
COUNTY	11	0	0	11
OTHER	3	0	0	3
TOTALS	147	10	6	163

ARRESTS – 13
ALARM PERMITS – 3
CRASHES – 3

ALARMS – 23
SOLICITOR PERMITS – 1

Location	Units	Injury	Fatal	Type
19500 BLK FM 3009	2 vehicles	0	0	CR2
19500 BLK FM 3009	2 vehicles	1	0	CR3
19500 BLK FM 3009	2 vehicles	0	0	CR3

ENFORCEMENT (243)

***Citations – 106**

***Warnings – 137**

INCIDENTS and ARRESTS

- 7/21/2017- After being stopped for expired registration, Ofc. Pelata arrested Robert Moreno for Driving While License Invalid with No Insurance and Possession of Drug Paraphernalia.
- 7/22/2017- After being stopped for no front license plate, Ofc. Thoemke arrested Jeremy Davee for Driving While License Invalid with No Insurance and two traffic warrants out of Bulverde.
- 7/28/2017- After being stopped for not displaying a registration insignia, Ofc. Oehler arrested Jason Still for Driving While License Invalid with Previous Convictions.
- 7/29/2017- After observing a subject sleeping in their vehicle on the side of the road, Ofc. McKay arrested Stephen Hoeg for Driving While Intoxicated.
- 8/1/2017- After receiving a call for possible prowlers at a home, Ofc. McMahan arrested Preston Gonzalez, John Silvas, and Omar Al-Quaiti for Possession of Marijuana < 2oz. Preston Gonzalez was also charged with resisting arrest.
- 8/2/2017- After being stopped for expired registration, Ofc. Hackenberg arrested Jordan Leland for a drug warrant out of Comal County.
- 8/8/2017- After being stopped for expired registration, Ofc. Oehler arrested Isaac Fuentes for Driving While License Invalid with No Insurance.
- 8/9/2017- After being stopped for no front license plate, Ofc. Pelata arrested Roger Allen for Driving While License Invalid with an Alcohol Related Suspension.
- 8/10/2017- After being stopped for failure to signal intent to turn, Ofc. Thoemke arrested Abner Talavera-Casanova for two Garden Ridge municipal court warrants.
- 8/16/2017- After being stopped for not displaying a registration insignia, Ofc. McKay arrested Fernando Reyes Jr for Driving While License Invalid with No Insurance.
- 8/19/2017- After being stopped for expired registration, Ofc. Pelata arrested Kayla Carr for Driving While License Invalid with Previous Convictions.

TRAINING

- | | |
|--|---|
| ♦ “Sexual Assault Family Violence Investigator Course (SAFVIC)” | ♦ “Missing and Exploited Children” |
| ○ Ofc. Pelata | ○ Ofc. Thoemke |
| ○ Ofc. Sanchez | |
| ○ Ofc. Oehler | ♦ “Interacting with Deaf Drivers” |
| ○ Ofc. McMahan | ○ Ofc. Thoemke |
| ○ Ofc. Thoemke | |

Public Works

June 20, 2017—July 20, 2017

Street and Right of Way Maintenance

Storm water Drainage Facility and Easement Maintenance

Outfalls inspected: 19
Detention/Retention ponds inspected: 18
Sign Maintenance: 3
Right of ways: Check tree clearance.

Park and City Facility/Property Maintenance

Paul Davis Park: Added outdoor ashtray.
Repaired Paul Davis Park sign.
City Hall: Repaired automatic door opener/bathroom door
Replaced pump on aerobic system
Rental property: Trimmed trees/hedges
Library: Moved shelves and books
Public Works Shop: Installed new ice machine

Animal Control

Domestic Animal Apprehensions:	Dogs 3	Cats 2	YTD	Dogs 28	Cats 42
Nuisance Complaint Calls:	0		YTD	0	
Animal Bite Calls:	0		YTD	0	
Deer Carcass Disposals:	14		YTD	89	
Raccoon:	10		YTD	43	
Opossum:	1		YTD	36	
Skunks:	12		YTD	36	
Other:	5 Wild Hog - 1 snake- 4 armadillos -1 Fox				
	1 Ringtail- 1 Buzzard- 1 squirrel		YTD	56	
Hunters for the hungry animal donations:	Deer /Wild Hogs		YTD	16	
Total animal control apprehensions/pickups for 2017:			YTD	274	
Animal transferred to adoption agency:	3		YTD	5	
Animals returned to owners:	2		YTD	22	
Animals adopted:	Dogs. 0	Cats 1	YTD	5	
Current animals in city's care:	Dogs. 2	Cats. 22			
Animals ready for adoption:	Dogs. 0	Cats. 0			

Special Note

Oak wilt: No new cases.

Water Managers
Monthly Department Report
Aug-17

	2016						2017							
	Edwards		Trinity		Total	Quarterly	Edwards		Trinity		Total	Quarterly		
	Gallons	Acre Feet	Gallons	Acre Feet	Acre Feet	Acre Feet	Gallons	Acre Feet	Gallons	Acre Feet	Acre Feet	Acre Feet		
January	15,309,000	46.98	431,000	1.32	48.30	170.84	3,046,000	9.35	13,005,000	39.91	49.26	8/1-8/23		
February	512,000	1.57	19,825,000	60.84	62.41		1,132,000	3.47	15,007,000	46.05	49.53			
March	3,234,000	9.92	16,359,000	50.20	60.13		2,014,000	6.18	17,236,000	52.90	59.08			
April	494,000	1.52	18,620,000	57.14	58.66		2,470,000	7.58	20,512,000	62.95	70.53			
May	4,348,000	13.34	14,693,000	45.09	58.43	211.78	4,670,000	14.33	29,430,000	90.32	104.65		8/1-8/23	
June	29,247,000	89.76	1,608,000	4.93	94.69		6,331,000	19.43	28,148,000	86.38	105.81			
July	38,544,000	118.29	12,725,000	39.05	157.34		31,979,000	98.14	13,888,000	42.62	140.76			
August	24,439,000	75.00	7,880,000	24.18	99.18		24,032,000	73.75	4,687,000	14.38	88.14			
September	23,578,000	72.36	1,715,000	5.26	77.62	334.14	-	0.00	-	0.00	0.00			228.90
October	27,951,000	85.78	0	0.00	85.78		-	0.00	-	0.00	0.00			
November	17,929,000	55.02	895,000	2.75	57.77		-	0.00	-	0.00	0.00			
December	14,578,000	44.74	888,000	2.73	47.46		-	0.00	-	0.00	0.00			0.00
TOTAL	200,163,000	614.28	95,639,000	293.51	907.78		75,674,000	232.23	141,913,000	435.52	667.75	Total EAA Allocations		
	EAA Stage 0, Available 882.77 Ac/Ft, Unused 268.49Ac/Ft						EAA Stage 1, 7/13, 20% Available 667.066 Ac/Ft, Unused 434.836Ac/Ft							682.77
Current Edwards Permits														
Allocated Pumpage	CO00139		P100-767		511.951	Acre Feet								
Purchase	BE 00109I		P100-327		2.000	Acre Feet								
Purchase	ME 00417D		P101-185		1.301	Acre Feet								
Purchase	ME 00479I		P101-315		3.895	Acre Feet								
Purchase	UV 00437I		P101-699		2.000	Acre Feet								
Purchase	UV 00461I		P101-752		4.000	Acre Feet								
Purchase	UV 00478I		P101-801		2.000	Acre Feet								
Purchase	UV 00537H		P101-959		2.000	Acre Feet								
Purchase	UV 00576I		P102-040		14.000	Acre Feet								
Purchase	UV 00630G		P102-146		1.760	Acre Feet								
Purchase	BE 00081AE		P100-200		62.000	Acre Feet								
Transfer	CO00119AA		P102-564		0.660	Acre Feet								
Transfer			P103-312		4.500	Acre Feet								
Transfer			P102-416		2.000	Acre Feet								
Transfer	Keith Zar Pools		P106-186		1.000	Acre Feet								
Lease	Lloyd Loehman		P107-429		3.000	Acre Feet								
Lease	M. Friesenhahn		P100-745		65.000	Acre Feet								
Lease	BVFD		P102-302		-0.300	Acre Feet								
Avg. connections 2016: 1571 Avg. usage per connection for 2016: 188,300.4 gals														

Total Edwards Allocations Available **682.77** Acre Feet

Monthly Well Progress Report

Trinity Well Status:	Static Level: August 1 st : 189.0'	August 30 th : XXX.X'	Diff. of:
GPM: 867	Pumping Level: August 18 th : 157.5'	August 20 th : 157.5'	Diff. of: 0.0'
Edwards Wells Status:	Static Level: August 1 st : 113.4'	August 23 th : 117.9'	Diff. of: 4.5'

New Meter Installations	3	Meter Replacement	5	Main Breaks	0
New Service Line Inspections	4	Service Line Replacement	0	Service Line Leak Repair	4
Irrigation System Inspections	5	Fire Hydrant Maintenance	2	Leak Adjustment	0
Toilet Rebates	1	Washing Machine Rebates	0	Water Heater Safety Inspections	3

Projects: 2016 CIP, Valve boxes need to be cemented after roads are completed. Meter boxes are being installed.

Wells # 9 & 10: Water line is being installed along the Georg Ranch side of FM 3009. Site work has begun on the ground storage tank. Both pumps and motors have been installed. Awaiting Bac "T" samples.

Well site FM 2252: Well #2, New stainless steel shafts have been installed. Well has been placed back in service.

Library Activities, July 15 - August 18 (September Council Meeting)

Our numbers are a bit lower this month due to the fact that we have been closed 5 full days. On days that we were open, we were still operating on a limited scale. Some people stuck their heads in, then left immediately upon seeing all the activity occurring.

Monthly Statistics:

<i>Visits to the Library</i>	<i>1,023</i>
<i>Items Checked Out</i>	<i>1,850</i>
<i>New Patrons Added</i>	<i>41</i>
<i>New Items Added to the Collection</i>	<i>113</i>

Monthly Activities:

<i>Preschool Story Time</i>	<i>29</i>	
<i>Pokemon Club</i>	<i>16</i>	
<i>Board Games</i>	<i>15</i>	
<i>GRES Book Club</i>	<i>77</i>	
<i>GRES Story Time & Crafts</i>	<i>16</i>	

Garden Ridge Library

2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1 Preschool Storytime 10:30 AM	2
3	4 Labor Day Library CLOSED	5	6	7	8 Preschool Storytime 10:30 AM	9 Pokemon Club 10am-Noon
10	11	12 Lego Robotics 3:00pm-4:00pm 5:30pm-6:30pm	13	14	15 Preschool Storytime 10:30 AM	16
17 Library Open House 2:00pm-4:00pm	18	19 Lego Robotics 3:00pm-4:00pm 5:30pm-6:30pm CARD CLASS W/ ANGIE @ 1:30PM	20	21	22 Preschool Storytime 10:30 AM	23
24	25	26 Lego Robotics 3:00pm-4:00pm 5:30pm-6:30pm	27 Crafting with Morena 1:30 pm – must register.	28	29 Preschool Storytime 10:30 AM	30



MEMORANDUM

To: Garden Ridge City Council
Cc: Nancy Cain, City Administrator – City of Garden Ridge
From: Patrick Lackey, P.E./Daniel Mummert, P.E. – Trihydro Corporation
Date: August 30, 2017
Re: Trihydro Corporation –Engineering Report September, 2017

1. 2015 CIP Street, Water and Drainage Project – Qro Mex Construction

- Phase 2 paving and driveways are on track for completion by September 1.
- Coring/sampling approved at July council meeting is pending. Recommendation is to wait and observe pavement condition to see if further deficiencies are observed.
- Contractor has sealed cracks on Fairview Circle
- Phase 1 topsoil placement continues to be a concern. Areas have been hydroseeded without removing rocks.
- Phase 1 quantities have been verified and we anticipate overruns on ribbon curb and asphalt driveways, by approximately 5-8%. Paving is expected to underrun by 3-5% based on field changes around cul-de-sacs.
- Pay estimate #14 was submitted and is being evaluated.

2. 2016 Wells and Booster Pump Facility – Pesado Construction

- Pesadeo Construction has started the foundation and electrical work for the booster pump station and generator.
- Chain link fencing costs were higher than anticipated and we are working with the contractor to make adjustments.
- Tank screening/site landscape alternatives are ongoing.



3. Municipal Parkway Project – Wheeler Coatings (Old Castle)

- The project is complete and has been invoiced.
- Wheeler Coatings is aware of the coating concerns, near the City Hall steps and Police Department parking, and will review and address as needed. This will be addressed as warranty work.

4. Naco – Loop Water Line (Winco)

- The design is currently going through our QA/QC process.

5. FM 2252 Water and Wastewater Line Projects

- No updates from TXDOT this month.

6. SAWS Vista Ridge Pipeline Floodplain Permit

- We are awaiting a permit submittal from SAWS consultant.

7. Sewer Project

- Alignments and cost estimates have been updated.
- The outfall line to CCMA has been shortened significantly with a tie-in at Doerr Lane (between Union Pacific Railroad tracks and Bell North Drive).
- Pumping equipment and administration approaches are currently being evaluated.

AN ORDINANCE ADOPTING A TAX RATE OF \$0.323146 PER
ONE HUNDRED DOLLARS (\$100.00) OF ASSESSED VALUATION
FOR THE CITY OF GARDEN RIDGE, TEXAS TO BE EFFECTIVE
FOR THE TAX YEAR 2017 (FISCAL YEAR 2018)

WHEREAS, the City Council of the City of Garden Ridge, Texas has duly approved a General Fund Budget for maintenance and operation for Fiscal Year 2018 and an Interest and Sinking Budget for Fiscal Year 2018 beginning October 1, 2017 and ending September 30, 2018.

NOW THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GARDEN RIDGE, TEXAS:

THAT, the City Council of the City of Garden Ridge, Texas does hereby adopt the tax rate of \$0.323146 per one hundred dollars (\$100.00) of assessed valuation for the tax year 2017 with said rate being composed of the following elements:

- a. A tax rate of \$0.211012 per one hundred dollars (\$100.00) of assessed valuation for the General Fund maintenance and operations:

**THIS TAX RATE WILL RAISE MORE TAXES FOR
MAINTENANCE AND OPERATIONS THAN LAST
YEAR'S TAX RATE.**

and

**THE TAX RATE WILL EFFECTIVELY BE RAISED BY
5.716 PERCENT AND WILL RAISE TAXES FOR
MAINTENANCE AND OPERATIONS ON A \$100,000
HOME BY APPROXIMATELY \$7.77.**

- b. A tax rate of \$0.112134 per \$100.00 of assessed valuation for the retirement of debt service through the Interest and Sinking Fund.

THAT, all other Ordinances or parts of other Ordinances in conflict herewith are hereby repealed to the extent that they are in conflict; and

THAT, if any part of Ordinance 202-092017 shall be held void or unconstitutional, it is hereby provided that all other parts remain in full force and effect; and

THAT, this Ordinance shall become effective immediately upon its passage.

PASSED, APPROVED AND ADOPTED by the City Council of the City of Garden Ridge,
Texas, this 6th day of September, 2017.

Larry Thompson
Mayor

ATTEST:

Shelley Goodwin, TRMC
City Secretary

ORDINANCE NO. 70-092017

AN ORDINANCE OF THE CITY OF GARDEN RIDGE AMENDING ORDINANCE NUMBER 70-1072016, SECTION 7, ESTABLISHING A REVISED RANK STRUCTURE FOR THE POLICE DEPARTMENT'S SWORN OFFICER COMMAND STAFF; PROVIDING THAT THIS ORDINANCE SHALL BE CUMULATIVE OF ALL ORDINANCES; PROVIDING A SEVERABILITY CLAUSE; PROVIDING A SAVINGS CLAUSE; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City of Garden Ridge Texas is a Type A General Law City as that term is defined within the Texas Local Government Code; and,

WHEREAS, Ordinance No. 70-072016 established the Garden Ridge Police Department as a municipal department of the City and established a rank structure for the department's sworn officer command staff; and,

WHEREAS, the City Council finds that it is necessary to revise the rank structure for the department's sworn officer command staff as detailed in Attachment "A"; and,

WHEREAS, the City Council finds that that the following Ordinance is necessary to protect the public health, safety, and welfare.

NOW THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GARDEN RIDGE, TEXAS that:

Section 1. Findings. The findings set out herein are found to be true and correct and are hereby adopted by the City Council and made a part of this Ordinance for all purposes.

Section 2. Regulations. Ordinance No. 70-072016, Section 7 is revised and shall read as follows:

“The City of Garden Ridge Police Department is hereby-authorized the sworn officer positions: Lieutenant, Sergeant Patrol Division (two (2) positions), Sergeant Criminal Investigations Division (two (2) positions), and additional Police Officers as authorized by the governing body and the fiscal budget of the City.”

Section 3. Cumulative and Savings. This Ordinance shall be cumulative of all provisions of ordinances of the City of Garden Ridge, Texas, except where the provisions of the ordinance are in direct conflict with the provisions of such ordinances, in which event the conflicting provisions of such ordinances are hereby repealed. Any and all previous versions of this Ordinance to the extent that they are in conflict herewith are repealed.

Section 4. Severability. It is hereby declared to be the intention of the City Council that the phrases, clauses, sentences, paragraphs, and sections of this Ordinance are severable, and if any phrase, clause, sentence, paragraph, or section of this Ordinance shall be declared unconstitutional by the valid judgment or decree of any court of competent jurisdiction, such unconstitutionality shall not affect any of the remaining phrases, clauses, sentences, paragraphs, and sections of this Ordinance, since the same would have been enacted by the City Council without the incorporation in this Ordinance of any such unconstitutional phrase, clause, sentence, paragraph, or section.

Section 5. Effective Date. This Ordinance shall be in full force and effect from and after its final passage and any publication required by law.

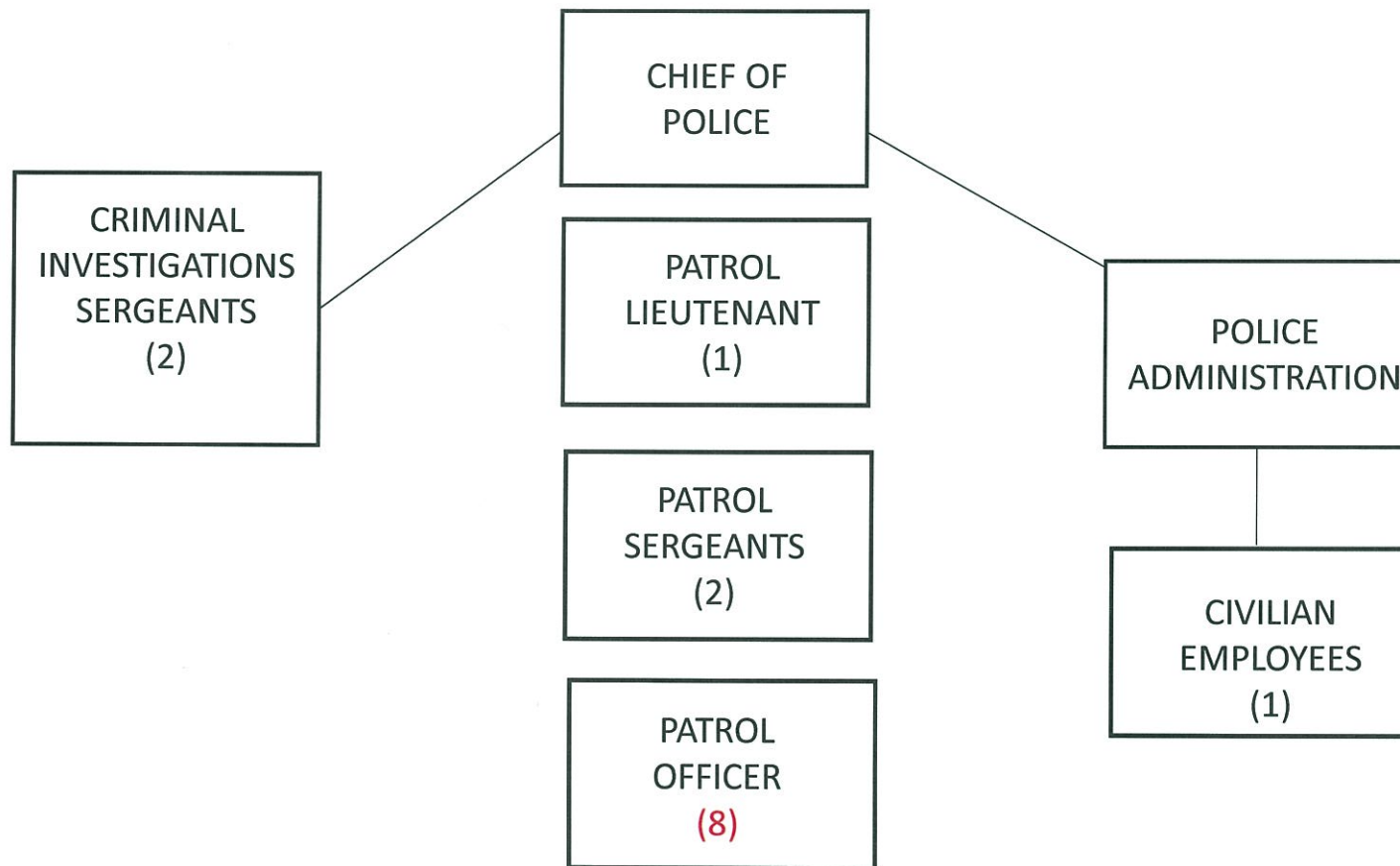
PASSED AND APPROVED, the 6th day of September, 2017.

LARRY THOMPSON
MAYOR

ATTEST:

SHELLEY GOODWIN, TRMC
CITY SECRETARY

GARDEN RIDGE POLICE DEPARTMENT ORGANIZATIONAL CHART



Patrol currently slotted for 8 officers however; one slot is not funded

Revised 28 August 2017

Prepared for Garden Ridge City Council Meeting September 2017

From: Garden Ridge Planning and Zoning Commission
Meeting in 1 Regular Session Tuesday August 8, 2017

To: Garden Ridge City Council

Subjects:

- a. Petition by Anthony J. Colatarci for a variance to Ordinance 13-062017, Section 5, Residential, Paragraph 5.1.7.2.4.2, Interior Lots, there shall be a side yard of all interior lots of not less than fifteen (15) feet. The request is for the encroachment of an existing storage building into the 15 foot side yard at 8838 Cherokee Path, Garden Ridge, Texas 78266 and further described as Lot 10, Block 10, Forest of Garden Ridge (postponed from July 11, 2017 Planning and Zoning Commission Regular Meeting).
- b. Discussion and recommendation of reappointment of Commissioners Ringle (Place 4), Willis (Place 6), and Heier (Place 5), for terms of office expiring September 30, 2019.
- c. Nominations and vote on Planning & Zoning Vice-Chair.

Commission Discussion a. Variance request for existing encroachment - side yard less than required 15 feet.

Postponement from July 11th to August 8th was necessary as not all property owners had been notified of the request for variance or the July 11th Public Hearing. Public hearing was held August 8th after proper notification was made. No one spoke against the variance request at the Public Hearing. All but one property owner within the 200 feet notification area provided the Petitioner signed documents supporting the request for variance. The single property owner who did not provide a signed document did not appear at the public hearing.

After a detailed explanation by the Petitioner of how the need for the variance occurred and discussion by Commissioners, it was moved and seconded to recommend to Council the request for variance be granted.

Vote was unanimous with all five (5) Commissioners present voting yea.

Commission Discussion b. Recommendation for reappointment.

Commissioners Ringle, Willis, and Heier all were volunteers to remain on the P&Z Commission for an additional two-year term. **Commissioner Miller (Place 1) is also a volunteer for an additional two-year term. He was inadvertently left off the printed agenda.**

Motion made seconded and passed unanimously to recommend Council reappoint said Commissioners for the period beginning October 1, 2017 and ending September 30, 2019.

Commission Discussion C. Selection of Vice-Chair.

Prepared for Garden Ridge City Council Meeting September 2017

Commissioner Shawn Willis was nominated to assume the position of Vice-Chair. Motion to approve was made and seconded. Vote was four yea with one abstention (Willis) and one Commissioner absent (Heier).

Samuel E. Stocks
Chairman

Planning and Zoning Form 2
APPLICATION FOR VARIANCE
 (Type or Print)

1. Date: 5/31/2017 Case #: _____
2. Applicant Name: ANTHONY JOSEPH Colatucci
 (First) (Middle) (Last)
3. Mailing Address: 8838 CHEROKEE PATH
 (Street)
GARDEN Ridge TX. 78266
 (City) (State) (Zip)
- Phone: (757)-310-8331
 210 451-9508
4. Applicant's relationship to property:
 Sole owner (X) Part owner () Other; _____
 (Specify)
 (If not sole owner, furnish a notarized letter of authorization from all owners as attachment 1.)
5. Property location: 8838 CHEROKEE PATH GARDEN Ridge TX. 78266
 (Street address or street property front)
6. Legal description:
 Plat: Lot(s) #10 Block(s) #10
 Subdivision; THE FOREST OF GARDEN Ridge
 Acreage: _____ (If acreage, provide separate metes and bounds description as attachment 2.)
 Property Deed recorded in Comal County Volume # _____ Page # _____
7. Cite City Ordinance number, page and paragraph from which variance is needed: 5-1.7.2.4.2
Pg 26 THERE SHOULD BE A SIDE YARD ON EACH SIDE OF ALL INTERIOR
LOTS OF NOT LESS THAN FIFTEEN (15) FEET
8. State what you want to do instead: LEAVE THE SHED IN PLACE PLEASE
SEE ATTACHMENTS
9. Give reason why a variance should be granted (cost alone is not acceptable): IT IS BOLTED
ONTO CONCRETE AND CANNOT BE MOVED
PLEASE LTR
10. If you are requesting a variance from City Ordinance 13 requirements, give a dimensioned map with north orientation, scaled 100 or 200 feet per inch, of the property to be rezoned showing all streets and parcels of land within 300 feet of the property as attachment 3. Key each adjoining land parcel to a list of current owners and addresses as attachment 4.
11. Give site plan showing location, dimensions and uses of existing or proposed structures, easements, water sources, fences, curb cuts, street and alley right-of-way lines within one foot of property for which variance is requested, on another map of larger scale, as attachment 5.

12. Identify any deed restrictions on agriculture, residential, business or other use. If none, so state: _____

NONE

13. The undersigned hereby requests that the variance identified in this application are granted, in accordance with Garden Ridge City Ordinance 13. I consent to the posting of hearing notices on the said property. I understand that the information provided herein might be used by the City of Garden Ridge for sending required notices to adjacent property owners, if required. I bear full responsibility and liability for any losses or costs incurred by the City, or others, caused by errors or omissions in this application.

14. Applicant Signature: _____

_____ Attachments:

1. Owner(s) letters of authorization, if applicable
2. Metes and Bounds description of property, if applicable
3. Map of property
4. List of adjacent property owners - within 200ft of property exc. streets
5. Site plan
6. Check for variance fee per Garden Ridge City Ordinance 11. \$500 non refundable

----- CITY USE ONLY -----
VARIANCE REQUEST

		Date
City Admin.:	Application received	_____
	Application verified	_____
	Fee received \$_____ Check #_____	_____
	Application sent to P&Z	_____
P&Z:	Owners' acceptance of application	_____
	Notice to adjoining property owners, if required	_____
	Notice of public hearing, if required	_____
	Public hearing conducted, if required	_____
	P&Z decision on variance	_____
City Council:	P&Z recommendation to City Council	_____
	Notice to adjoining property owners, if required	_____
	Notice of public hearing, if required	_____
City Admin.:	Public hearing conducted, if required	_____
	Applicant notified of Council Decision	_____
	Zoning ordinance change published, if required	_____

Neighbors within 200 feet of 8838 Cherokee Path, Garden Ridge, TX. 78266

Tony and Reagan Tunstall

8835 Cherokee Path

Garden Ridge, TX. 78266

Steve and Teresa Thomas

8834 Cherokee Path

Garden Ridge, TX. 78266

Breck and Megan Hale

8830 Cherokee Path

Garden Ridge, TX. 78266

Ronald Richard

8831 Cherokee Path

Garden Ridge, TX. 78266

Pat Ramirez

8827 Cherokee Path

Garden Ridge, TX. 78266

Tony Overman

18955 FM 2252

Garden Ridge, TX. 78266

Ph: (210) 317-1998

To whom this may concern:

In response to the placement of the Shed at 8838 Cherokee path, Garden Ridge TX. I have no issue in the placement of the shed in relative distance from my property (8835 Cherokee Path).

Tony Tunstall

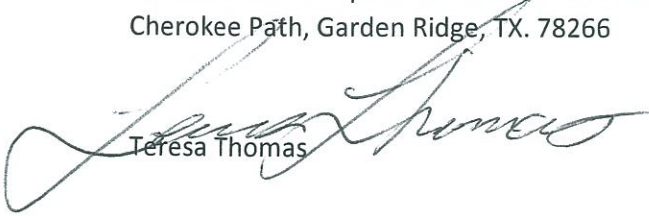
210-775-0006

A handwritten signature in black ink, appearing to read "Tony Tunstall". The signature is fluid and cursive, with a large initial "T" and a stylized "A".

City of Garden Ridge,

6/5/2017

I am a neighbor of Anthony and Teresa Colatarci 8838 Cherokee Path, Garden Ridge, TX. 78266. I have no issues with the placement of the shed in the back far corner of their property. My address is 8834 Cherokee Path, Garden Ridge, TX. 78266



Teresa Thomas

(210)381-6151



City of Garden Ridge

9400 Municipal Parkway
Garden Ridge, Texas 78266
(210) 651-6632
Fax: (210) 651-9638

1/12/2017

Mr. Anthony Colatarci
8836 Cherokee Path
Garden Ridge, TX 78266

RE: Permit 1040-16

Mr. Colatarci

On August 5, 2016 you obtained a permit for an outbuilding. A setback and final inspection has not been called for.

Ordinance 13 states the following.

5.1.7.2.4.2. Interior Lots. There shall be a side yard on each side of all interior lots of not less than fifteen (15) feet.

Ordinance 19 states the following.

Garages, Workshops, Carports. Sheds. etc. The following inspections are required on the construction of any detached/free standing structure such as a garage, workshop, carport, barn, shed, gazebo, etc.

Setback Inspection. A setback inspection is required after the structure is staked out and rough-in if drain line(s) are completed, as applicable.

It appears that your outbuilding has been completed. However it will not pass final inspection because of the setback required (15') in ordinance 13.

Please correct this issue as soon as possible. If you have any questions please feel free to contact me.

*1/23/17 -
Variance 4 to 5' 0" or*

Wilbert Lenz
Building Inspector
City of Garden Ridge

Colatarci, Anthony J.
8838 Cherokee Path
Garden Ridge, TX 78266
757-310-8331

City of Garden Ridge
9400 Municipal Parkway
Garden Ridge, TX 78266
210-651-6632

6/3/2017

City of Garden Ridge Building Inspector,

I am submitting this letter of request for a City Variance for a constructed shed at my residence as listed above. On 6/11/2016 I purchased a 10 x 16 shed from Costco, at the time of purchase I had not had installation plans due to the amount of rain we were experiencing in our area. I requested a permit from the city, which I have done on all other projects done at my home. I obtained the permit on 7/11/16. I also requested permission through my Homeowners association along with the property Platt and where the location would be. I was originally going to have the shed built on block pavers but decided with all the rain and the path the rain takes on our property that would not be a good choice, hence the decision to put on a cement pad.

When I requested the Permit, I was only told about the 25' off the back of the property line rule which I figured was for utility and equipment access. I was however not aware of the restrictions on the side property line. I do not recall receiving a copy of a city ordinance at the time of the permit request. I did receive a partial copy (pages 23-28) at the time of the variance request.

As previously noted once the rain stopped I (self) installed a 10 x 16 concrete slab based on the requirements known to me at the time as well as the shed installers requirement of off the fence line (refer to the brochure) it is 6.5' off the fence line (side) and 27' off the fence line (back), this exceeded the minimum shed requirements as well as I thought the city requirement.

The shed was not constructed until November of 2016, by that time I completely had forgotten about the permit work because I thought I had met everyone's requirements, until I was contacted by letter from Mr. Lentz dated 1/12/17 received on 1/23/17 about needing a variance. I immediately called Mr. Lenz who stated that the shed was too close to the side fence and that I would need a variance at a cost of \$400-\$500. I drove to City Hall the next day however the person was already gone for the day and the person manning the desk could not assist. I then received a visit from Officer McMahan ID# 115 who instructed me of a variance violation and cited me. I again went to the City Office the next day 4/20/2017 and even though the contact person for the variance was not available the person in the citation window was able to provide me with the variance paperwork. Due to a scheduling conflict she was also very helpful with changing my court appearance date.

The shed is set over 320' back from the street in the back corner of my property (see Platt), it is only used for lawn equipment and parts storage. The shed cannot be seen from the street and I have supplied letters from my neighbors on either side that have no concern with where the shed resides. I can assure you that at no time did I think I violated any codes as I have had other improvements on my property and have followed all the City and Homeowners policies and procedures. I sincerely apologize for this infraction and respectfully request the variance for the shed.

Very Respectfully,

A handwritten signature in black ink, appearing to read 'Colatano', written over the typed name.

Colatano, Anthony J.

Attached:

- 1) Neighbor letter
- 2) Neighbor letter
- 3) Mr. Lenz Letter
- 4) HOA approval letter
- 5) Costco invoice
- 6) Building permit
- 7) Request for continuance
- 8) Permit Application
- 9) Photos X 5
- 10) City/County Platt

July 14, 2016

Anthony Colatarci
8838 Cherokee Path
San Antonio TX 78266 USA

ACC APPROVAL LETTER

Re: 8838 Cherokee Path

Dear Anthony Colatarci,

Thank you for submitting your Architectural Control Committee Application. Your request has been reviewed and, within the scope of the authority of the Architectural Control Committee (ACC) pursuant to the Declaration of Covenants, Conditions and Restrictions for Garden Ridge/Bracken HOA, your request for a storage shed has been approved.

Approval or disapproval of an Application shall not be deemed to constitute any warranty or representation by the ACC; including, without limitation, any warranty or representation relating to the fitness, design, or adequacy of any proposed construction or compliance thereof with applicable statutes, codes, regulations, or any deed restrictions other than those promulgated by the Association

If you have any questions or concerns, please feel free to contact us at 210-829-7202. As your association management company, we are here to assist you in any way we can.

Sincerely,

Garden Ridge Architectural Committee

FirstService

RESIDENTIAL

1600 NE Loop 410, Suite 202 – San Antonio, TX 78209

210-829-7202 Office * 210-829-5207 Fax

Website - <https://www.fsresidential.com/texas/home> – E-Mail: acc.sa@fsresidential.com

Name of Community: **The Forest**

Owner Name: **Anthony J. Colatarci** Signature:  Date: **7/7/2016**

Property Address: **8838 Cherokee Path** City: **Garden Ridge** State: **Texas** Zip: **78266**

Mailing Address: **SAA** City: State: Zip:

Phone: **(210)451-9508** Email (Required): **zbigt@satx.rr.com**

Briefly describe the improvement you propose: **10X16 Wood shed in the backyard/ Paint to match the house.**

Type of Improvement (check or circle which improvement applies to your request):

- | | |
|---|---|
| ☐ Permanent Basketball Goal | ☐ Pool – Above-Ground |
| ☐ Temporary Basketball Goal (Indicate stored location) | ☐ Pool – In-Ground (Location indicated on official site plan) |
| ☐ Stain Fence (Sample Required) | ☐ Spa/Hot Tub |
| ☐ Fencing/ Extend Fence (Distance from front corner of Home) | ☐ Gutters |
| ☐ Paint Exterior (Sample Required) | ☐ Room Addition (Elevation Drawings) |
| ☐ Porch Railing | ☒ Storage Building (Height, Width and Length and Color) |
| ☐ Play Structure (Height, Width and Length and Color of Tarp) | ☐ Landscaping |
| ☐ Front Yard Statuary/Bird Bath/Water Fountain | ☐ Replace Door |
| ☐ Permanent Gazebo | ☐ Screen/Storm Door |
| ☐ Temporary Gazebo | ☐ Walkway/ Sidewalk |
| ☐ Wall Art/Outside Decor | ☐ Stain/Paint Driveway (Sample Required) |
| ☐ Exterior/Landscape Lighting | ☐ Extend Driveway |
| ☐ Sprinkler System (Show location of lines and heads on site plan) | ☐ Solar Screens/Window Treatments |
| ☐ Deck | ☐ Patio/Patio Cover/Extend Patio–Rear of Home ONLY |
| ☐ Replace Roof (Sample/Warranty Year Required) | ☐ Arbor/Trellis |
| ☐ Other: | |

CARPORTS – NOT ALLOWED

FirstService Residential Architectural Department is paperless please send all request via email – acc.sa@fsresidential.com

Plan Submittal Requirements

Please thoroughly review your applications to ensure that all required information is included. **Incomplete applications will not be reviewed.**

☐	Site plan (Survey): issued in closing papers showing the building setback lines and easements	Must show exact location of the improvement on the site plan with the distance to each property line.
☐	Materials: List all materials used in the project (ex: type of wood, brick, cement, iron, flagstone, stucco, etc.)	List materials here:
☐	Color Samples: Provide brand/name and color samples for the paint color or stain colors to be used Check website for Associations that have pre-approved stain color lists Roofing – provide samples of material, color/brand/length of warranty (year)	List colors here & provide samples with request:
☐	Photos/Elevation Drawings/Brochures: Elevation drawings needed for building plans and home additions	Include a photo, drawing or brochure showing what the improvement will look like
☐	Dimensions: Needed for all improvements such as outbuildings, play structures, decks, arbors, patio/patio covers, pools, etc. For fence extensions – indicate how many feet from the front corner of the home the new fence line will be	Length Width Height
☐	Other Information Needed: Exterior Lighting – Indicate Wattage Pool Equipment – Indicate location on site plan and screening (if any) Landscape Plans – Include type of sod, irrigation & plant names Fence Requests – Show location of gates on the site plan Solar Panels – Provide a diagram of roof showing where the panels will be located and complete specifications for the panels	Please provide any information that will help the Committee in their review

ARCHITECTURAL REVIEW PROCESS AND PROCEDURES

OBJECTIVES

The overall objective of this document is to serve as a uniform guide to submitting an application for construction in a specific and carefully designed community. This process outlines the standards for which an application will be held to and considered for approval by the Architectural Review Board or Designated Reviewer. The purpose of design controls is to assure the developer, builders, homeowners and residents that the standards of design quality will be maintained. This, in turn, protects property values and enhances the community's overall environment. The authority for maintaining the quality of design in a community is found in the Declaration of Covenants, Conditions and Restrictions and Association By-laws, which are a part of the deed to every property.

FORMAT FOR ARCHITECTURAL REVIEW BOARD APPROVAL SUBMISSIONS

Incomplete applications will not be reviewed.

1. Master plans for each section of the community must be submitted for review and approval.
2. Plot Plan and masonry selections must be submitted for review. Once written approval has been obtained construction may begin.

ACKNOWLEDGEMENTS:

- ☒ I acknowledge receipt of the Architectural Design Guidelines and have read and agree to abide with them in regards to the modification/addition as proposed
- ☒ I understand that a deposit and review fee may be applicable BEFORE my application is reviewed
- ☒ I understand that any contractors that I employ are not permitted to place signs on the property
- ☒ I understand that greenbelt access or adjacent lot access is not granted for construction (ingress, egress or storage included)
- ☒ I hereby agree not to begin any improvements or changes until the Architectural Committee or Reviewer notifies me of their approval
- ☒ I understand that I am responsible for maintaining a clean construction site
- ☒ I understand that Plans and specifications submitted for review are **not** being reviewed for structural integrity; compliance with zoning and building ordinances or any other applicable statutes, ordinances or governmental rules or regulations, compliance with the requirements of any public utility, easement or other agreements, or preservation of any view.

SPECIAL NOTE-CITY APPROVALS. It is the builder's responsibility to obtain all required approvals and permits. Proper authorities should be contacted prior to beginning any work in order to verify what procedures must be followed and obtain required permits. City or County approval does not preclude the need for architectural approval and vice versa.

I hereby acknowledge that I have read the Architectural Process and Procedures and understand the information that has been provided to me regarding the process.



Signature of Applicant

Anthony Colatarci

Print Name

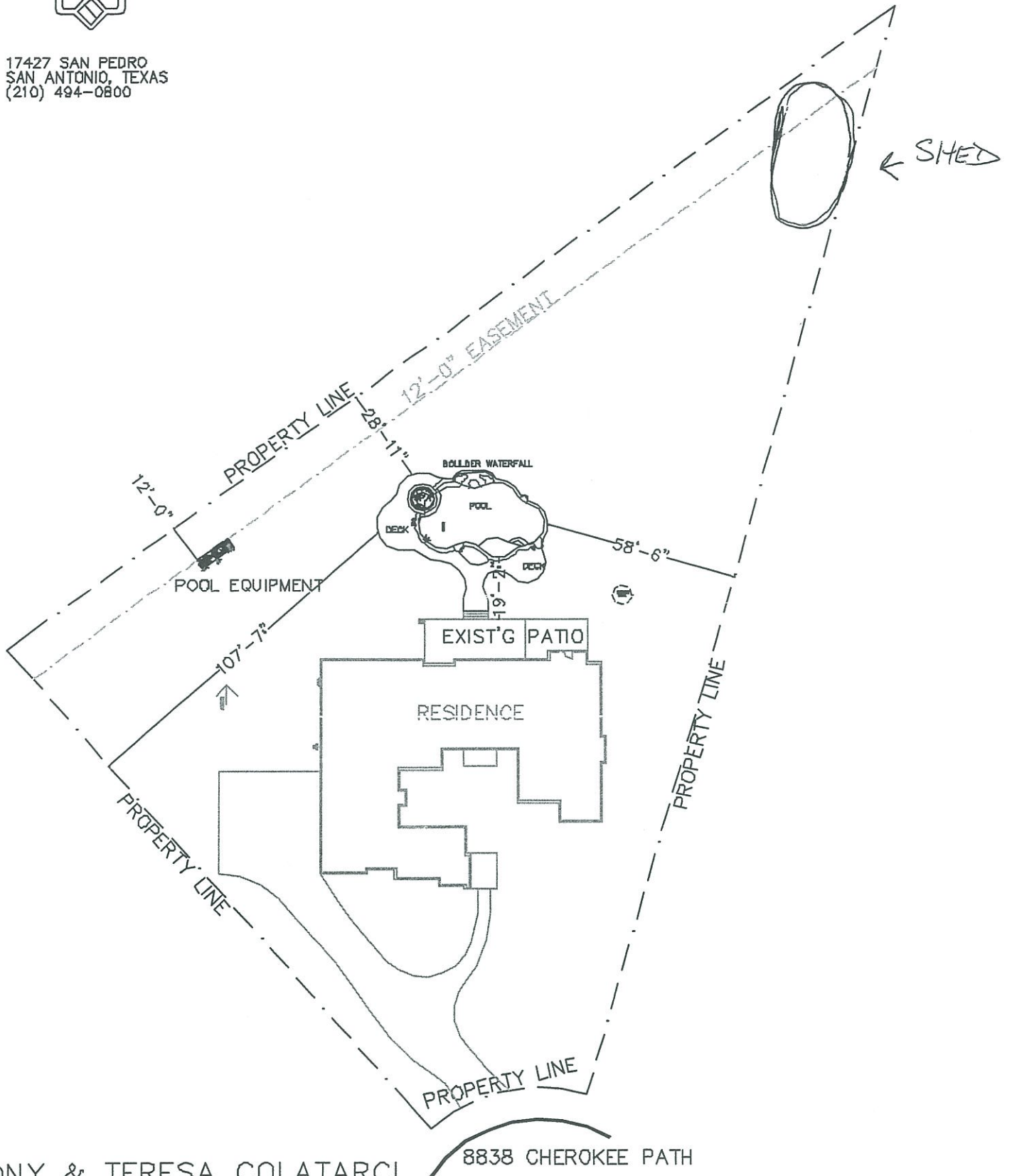
7/7/2016

Date

ESTE DOCUMENTO ES MUY IMPORTANTE. SI USTED NO PUEDE LEER INGLES, POR FAVOR CONSIGA A ALGUIEN PARA QUE LE TRADUZCA ESTE DOCUMENTO



17427 SAN PEDRO
SAN ANTONIO, TEXAS
(210) 494-0800



TONY & TERESA COLATARCI
8838 CHEROKEE PATH
GARDEN RIDGE TEXAS, 78266
LOT#10 BLOCK#10
SUBDIVISION THE FOREST OF GARDEN RIDGE
SCALE: 1" = 40'-0"

POOL 22'-9" X 38'-0"
40 SQ. FT. SPA
BOULDER WATERFALL
490 SQ. FT. OF DECK
12" OUT OF GRADE AVERAGE
LICENSE# IC1045



Special Order Purchase Order

PURCHASE DETAILS – To be completed by member. Please print carefully.

Email: terese.colatarci@ihg.com (required)

Member Number: 111787188652 Member Name: ANTHONY COLATARCI

Ship to First Name: ANTHONY Ship to Last Name: COLATARCI

Delivery Address: 8838 CHEROKEE PATH (GARDEN RIDGE) Suite/Apt. _____

City: GARDEN RIDGE State: TX ZIP: 78246 Country: USA

Day Phone: (214) 451-9508 Night Phone: (757) 310-8831

How to purchase:

1. Fill out entire Purchase Order for the item(s) you wish to purchase. For shed purchases please indicate shingle color.
2. Take completed form to cashier for payment.
3. After validation, keep the pink copy for your records.

COSTCO ITEM #	MODEL # AND DESCRIPTION	SHINGLES*	QUANTITY	PRICE
<u>1046187</u>	<u>BELLINGHAM</u>	<u>1046187</u>	<u>1</u>	<u>3399.99</u>
	<u>DRIFTWOOD Shingles</u>	<u>DRDW</u>	<u>—</u>	<u>1492</u>
TOTAL NUMBER OF ITEMS ORDERED			<u>1</u>	<u>3399.99</u>

*SHINGLE CODES:

BLCK = Black Shingles
DBRN = Dark Brown Shingles
DRDW = Driftwood Shingles
LBRN = Light Brown Shingles
WHITE = White Shingles

If you have any questions regarding your order, please call our

Special Order toll-free number at 1-800-844-9273

Hours of Operation: 8:00 a.m. to 6:00 p.m. EST, Monday through Friday,
8:30 a.m. to 5:00 p.m. EST, Saturday. Please leave a message after hours.

HOMEOWNER RESPONSIBILITIES/DELIVERY EXPECTATIONS:

Paint/painting and caulking are the responsibility of the homeowner. Homeowner is responsible for all permits and/or Homeowners Association approvals that may be required. Allow up to 4 weeks for delivery. Delivery is subject to suitable access. In the event suitable access is not available, the delivery agent reserves the right to refuse delivery and Costco will refund purchaser's money in full.

Members Initials: (Signature)

Members are encouraged to take delivery promptly after receiving notice that the product is available. Member must take completed delivery within 6 months from date of purchase or the order will automatically be canceled and refunded.

CUSTOM OR MODIFIED PRODUCT RETURNS AND REFUNDS:

I understand that I am ordering services and/or custom product(s) manufactured to my personal and unique specifications that cannot be canceled once work has begun. Custom orders **cannot be returned or refunded**, except for warranty repair/replacements due to failure to meet specifications above.

Please note: If you wish to cancel your order, please notify Costco at 1-866-439-8682 within 72 hours of placing your order.

Members Initials: (Signature)

RETURNS AND REFUNDS:

- For all returns of non-custom or non-modified product, call the Special Order toll-free number at 1-866-439-8682.
- Depending on the status of your order, we will advise you whether your merchandise will be picked up, or your shipment has been canceled. We will then issue an authorization for you to receive your refund at any Costco warehouse.

I HEREBY CONFIRM THE ORDER ABOVE AND UNDERSTAND THAT I WILL BE CONTACTED BY A YARDLINE REPRESENTATIVE FOR DELIVERY:

Date: 6/10/14 Signature: (Signature)

COSTCO USE ONLY

WAREHOUSE # _____

Cashier: _____

Date: _____

VALIDATE BELOW LINE

Warehouse Personnel: Verify quantities for each item.

SLIP PRINT RECEIPT

MEMBER # 111787188652

1046187 BELLINGHAM 3,399.99

KT05K ORDER# 4422015

CASHIER: Vanessa G

1/2016 13:09 1006 10 230 26

PURCHASE ORDER #

4422015



Costco Wholesale Corporation/999 Lake Drive, Issaquah, WA 98027/Phone: 1-877-483-6226

HOME IMPROVEMENT SALES CONTRACT
(Texas—Special Event Sheds)

Print Customer(s) Name: ANTHONY J. COLATARCI Date: 6-11-2016
Address of Property: 8838 Cherokee Path, Garden Ridge, TX 75046 Date Home Built: _____
Phone: Home 210-451-9508 Work or Cell 757-310-8731 Email: teresa.colatarci@ihq.com

1. Description of the Project, Materials and Equipment: Costco proposes to furnish you, the Customer, with the materials, labor, equipment and supplies as detailed in the plans and specifications for your project (referred to herein as "Work Order").

2. Installation: Under this Contract, Costco does not perform the installation work. Costco will subcontract the work to an authorized independent third party subcontractor ("Dealer").

3. Contract Price: \$ _____ This Contract will be completed for the Contract Price listed above.

4. Approximate Start Date: TBD
Work is considered to have begun when materials for your Contract have been ordered.

5. Approximate Completion Date: TBD
Work should be substantially completed by the approximate date above unless the work has been delayed due to unforeseen circumstances. You agree not to interfere with or permit others to interfere with, hinder or delay the start or completion of the work.

6. Note about Extra Work and Change Orders: Extra work and change orders become part of this Contract once the order is prepared in writing and signed by you and Costco or Dealer on Costco's behalf. If the parties fail to execute the extra work or change order in writing, you will still be responsible for the cost of the work performed based upon legal and equitable remedies designed to prevent unjust enrichment.

7. Limitation of Liability: TO THE FULLEST EXTENT PERMITTED BY LAW, NEITHER COSTCO NOR DEALER WILL BE LIABLE TO YOU FOR ANY INCIDENTAL, INDIRECT, CONSEQUENTIAL OR SPECIAL DAMAGES AND UNDER NO CIRCUMSTANCE WILL COSTCO'S OR DEALER'S LIABILITY TO YOU EXCEED THE AMOUNT YOU HAVE PAID UNDER THIS CONTRACT.

8. Building Permits: Unless required otherwise by law, the Customer is responsible for obtaining all homeowner association approvals and/or permits required by state or local codes and ordinances, at Customer's sole expense. Dealer can provide assistance with regards to plans, drawings, specifications or other information required to obtain permits.

9. List of Documents to be Incorporated into the Contract: This Contract consists of the terms herein, any change orders, and the following documents: (1) Special Order Purchase Order and (2) additional Costco terms and conditions if any provided to Customer. In the case of inconsistency among any of the documents listed above and the terms of this Contract, the terms of this Contract will control. These documents constitute the entire understanding between the parties, and there are no verbal or written understandings changing or modifying any of the terms of these documents.

10. Costco Return Policy Exception: Special order merchandise, custom merchandise and installed merchandise cannot be returned for credit or refund after the expiration of your right to cancel period below. This is an exception to Costco's standard return policy.

By signing below, you hereby acknowledge that you have read and understand this Contract, and have received a completed, signed and dated copy of this Contract.

Signature of Customer: [Signature] Date: 6-11-2016

Signature of Dealer's Representative on Costco's Behalf: [Signature] Date: 6-11-2016

Print Name of Dealer's Representative: STEVE QUATTROCCHI

Dealer Company Name: YARDLINE 8718 BUSINESS CT

Dealer Company Address and Phone Number: CONVERSE, TX 78109
210 659-0588

BUILDING PERMIT

City of Garden Ridge, Texas

9400 Municipal Parkway • Garden Ridge, TX 78266

(210) 651-6632

PERMIT # 1040-16

ling

ee Path Sub-division: Forest of GR Lot: Block:

BE CURRENT – Fees may be doubled if site activity commences prior to a building permit being issued.

rci 757-310-8331 451-9508

'ath (No P.O.) City: Garden Ridge Zip: 78266

d Products W 659-0588 C

t. City: Converse Zip: 78109

r the project(s) noted is based upon approval of the plans and specifications submitted.

CONSTRUCTION TERMS

must comply with applicable City Ordinances and The International Residential Code, including, but Building, Plumbing, Mechanical and Electrical Codes. Builder must post this Permit or Permit Card on the project. Builder is responsible for any encroachment into setbacks. Project(s) must be substantially constructed as approved. Substantive changes, e.g. larger slabs, second floor, spa, etc., must be approved by the City. The approval of this permit does not permit violation of any city or state laws. Builder must call for all required inspections in proper sequence.

Builder must comply with all city ordinances and codes.

*****POST PERMIT IN FRONT YARD*****

NOTICE TO PROPERTY OWNER AND BUILDER

This permit gives you notice that this property may be located in a potential flood zone, on or near a known or unknown natural spring, near a known or unknown creek or stream, or in an area of low elevation, where natural water runoff could cause flooding or water damage. The owner and/or builder is solely responsible for any damage to the property or buildings.

ASSUMPTION OF RISKS – HOLD CITY HARMLESS – RELEASE OF LIABILITY

The owner, or builder (if the house is a "spec" home) assumes all risks of damage or loss, for any reason, to any structure covered under this permit. Owner and builder grant a full and complete release of liability to the City of Garden Ridge and to all persons involved with this permit in any manner whatsoever, for all time, now and in the future.

INTERNATIONAL CODE ADOPTED – OWNER TO SIGN PERMIT

The International Residential Code, Chapter 1, Administration, covers building officials, permits, liabilities, documents, inspections, violations, and related issues. By adopting the most current edition of the Code, the City of Garden Ridge agrees to all language and terms. By the owner and/or builder signing this permit, he/she also agrees to the language and terms in the Code. Both the owner and builder must sign this permit before commencing construction.

CERTIFICATE OF OCCUPANCY: No person may occupy the residence for which this permit is issued, IN ANY MANNER, until a FINAL INSPECTION has been performed by the City Building Inspector and a CERTIFICATE OF OCCUPANCY is issued. Any occupancy violation may result in a fine in accordance with applicable ordinances of the City of Garden Ridge, Comal County, Texas.

PROJECT(S) FEES:

PRE-PAID.....\$ 50.00

BASIC FEE.....\$

Sq. Ft. (floor area)

X per foot.....\$

HVAC.....\$

PLUMBING.....\$

ELECTRICAL.....\$

FLATWORK.....\$

SECURITY.....\$

Outbuilding \$ 100.00

TOTAL FEES.....\$ 100.00

LESS PRE-PAID.....\$ -50.00

FEES DUE.....\$ 50.00

Permit is ONLY for the project(s) listed.

Owner Sign Here: 
(Owner agrees to the terms of this permit and all ordinances)

Permit Issued By: Wilbert Lenz Date: 7/11/16

Builder Sign Here: _____
(Builder agrees to the terms of this permit and all ordinances)

Permit Processed and Fees Collected By: 

This Permit is good for 365 days from the above date.

City of Garden Ridge Municipal Court
9400 Municipal Parkway
Garden Ridge, Texas 78266
(210) 651-6632

6.22.17
@ 6pm

REQUEST FOR CONTINUANCE

THE STATE OF TEXAS

VS.

Anthony J. Colatucci

Date: 4.20.17 Citation Number: E0031639-1

I understand that my case has been reset until Thursday, June 22, 2017,
at 6:00 p.m. at the request of:

☒ Myself
☐ Prosecutor
☐ Show Cause Hearing

Notes: 1. req. reset

[Signature]
Defendant's Signature
8838 CHEROKEE PATH
Address
GARDEN RIDGE TX. 78266
City, State, Zip



[Signature]
Municipal Court Judge

THE DEFENDANT CAN ONLY REQUEST ONE MOTION FOR CONTINUANCE. IF A SUBSEQUENT CONTINUANCE IS REQUESTED, DEFENDANT MUST POST A CASH BOND.

ALL BUILDING PROJECTS

The IRC and IBC require the following information be provided for all building permits

Permit # _____ (Office) **PERMIT APPLICATION** Attn: _____

Date 7/8/2016 New ☐ As-Built ☐ Remodel ☐ Residence (IRC) ☐ Business (IBC) ☐

Check boxes for items to be permitted. Use OTHER for additional items. Check box for ELECTRICAL permit ☐

☐ POOL ☐ SPA ☐ DECK ☐ FENCE (Is Fence a pool barrier? Yes ☐ No ☐) ☐ DRIVEWAY ☐ SIDEWALK

☐ PATIO ☐ ADD-ON ☒ OUTBUILDING ☐ OTHER (describe) 10 X 16 WOOD SHED

DATE RECEIVED _____ RETURN DATE _____ REASON _____

PROJECT ADDRESS 8838 CHEROKEE PATH GARDEN RIDGE IMPERVIOUS COVER _____ %

SUB-DIVISION THE FOREST BLOCK # _____ LOT# _____ CORNER: Yes ☐ No ☐

OWNER: ANTHONY J. COLATARCI W# (757) 310-8331 H# (210) 451-9508

ADDRESS: 8838 CHEROKEE PATH CITY GARDEN RIDGE STATE TX ZIP 78266

PRIMARY BUILDER YARDLINE (COSTCO) BACKYARD PROJECTS W# (210) 659-0588 C# _____

LIC # _____ Expires: _____ SUP'S NAME: _____ C# _____

ADDRESS 8718 BUSINESS CT CITY CONVERSE TX ZIP 78109

E-MAIL _____ FAX# _____

OTHER CONTRACTORS - FOUNDATION, PLUMBER, ELECTRICIAN, ETC.

TRADE #1/BUS NAME: _____ W# _____

ADDRESS _____ CITY _____ ZIP _____ SUP _____

LIC # _____ E-MAIL _____ C# _____

TRADE #2/BUS NAME: _____ W# _____

ADDRESS _____ CITY _____ ZIP _____ SUP _____

LIC # _____ E-MAIL _____ C# _____

TRADE #3/BUS NAME: _____ W# _____

ADDRESS _____ CITY _____ ZIP _____ SUP _____

LIC # _____ E-MAIL _____ C# _____

DESCRIBE SCOPE OF WORK (make drawing or rendition on separate page)

10 X 16 WOOD SHED, PURCHASED FROM COSTCO BUILT BY YARDLINE

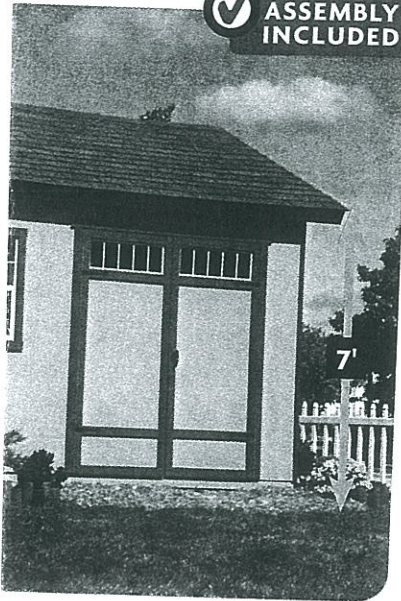
NOTE: Read rear side for additional information or requirements. Plans, drawings, etc., required for your project must be submitted with application. The builder must comply with City Ordinances and Codes. Site must be kept free of trash/debris throughout entire project. All projects require a FINAL inspection. Information provided must be legible.

Applicant's Signature Anthony Colatarci Print Name _____ Processed By _____

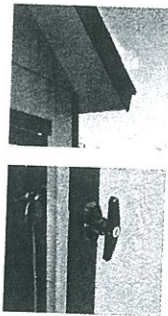
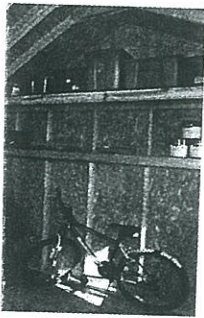
NO WORK AT, OR MATERIALS DELIVERED TO, SITE BEFORE A PERMIT IS ISSUED!

Rev 4/09

\$2699.⁹⁹



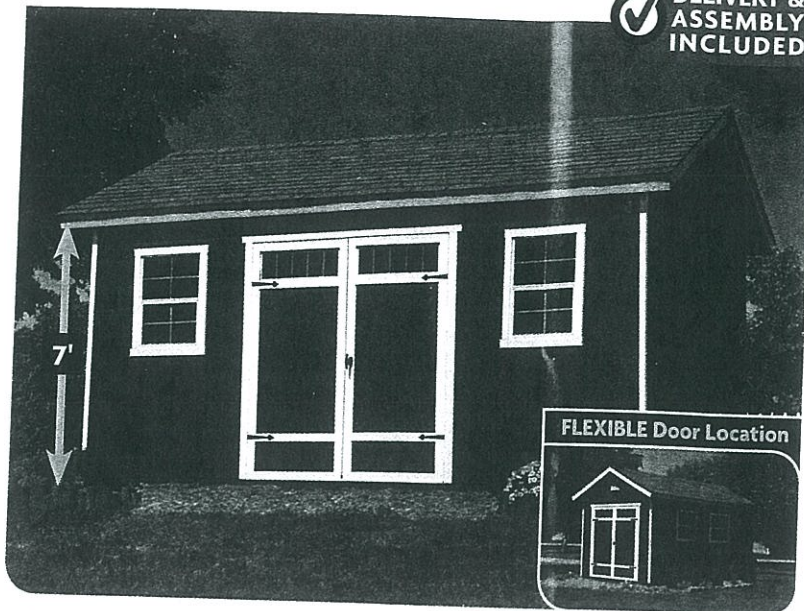
with full-length continuous hinges –
extra storage space



Bellingham

10'W x 16'L

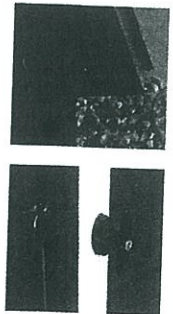
\$3399.⁹⁹

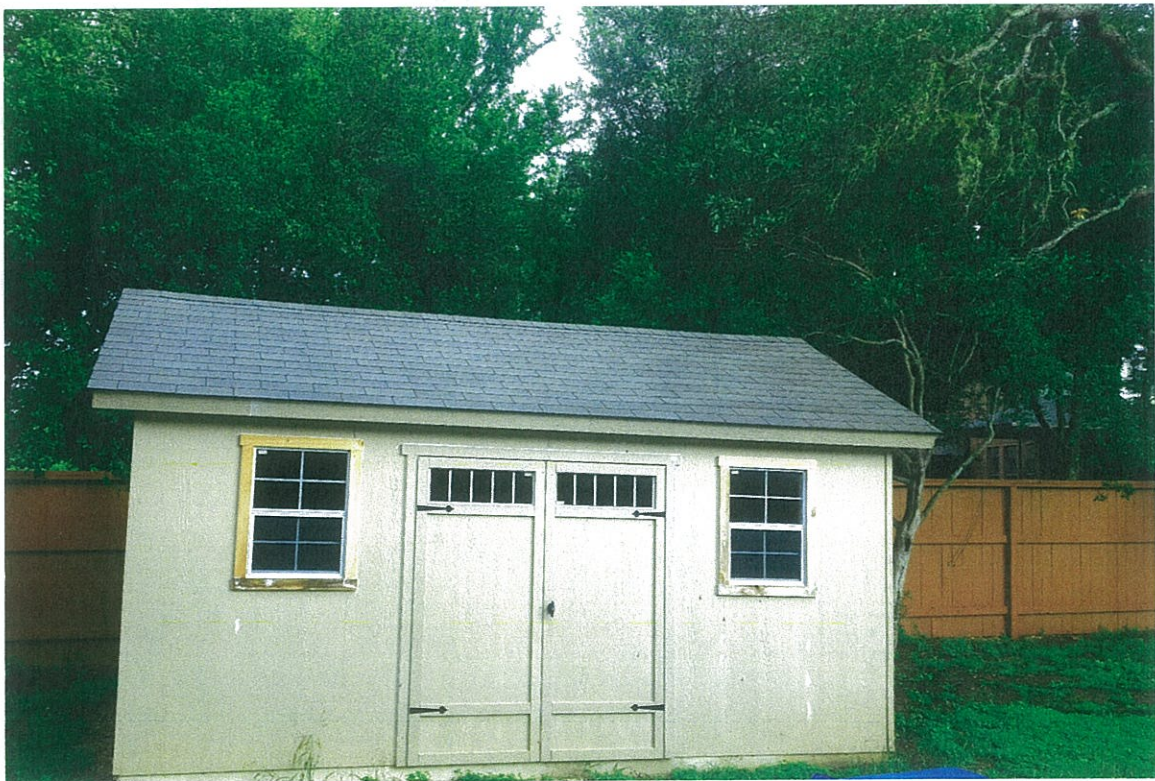


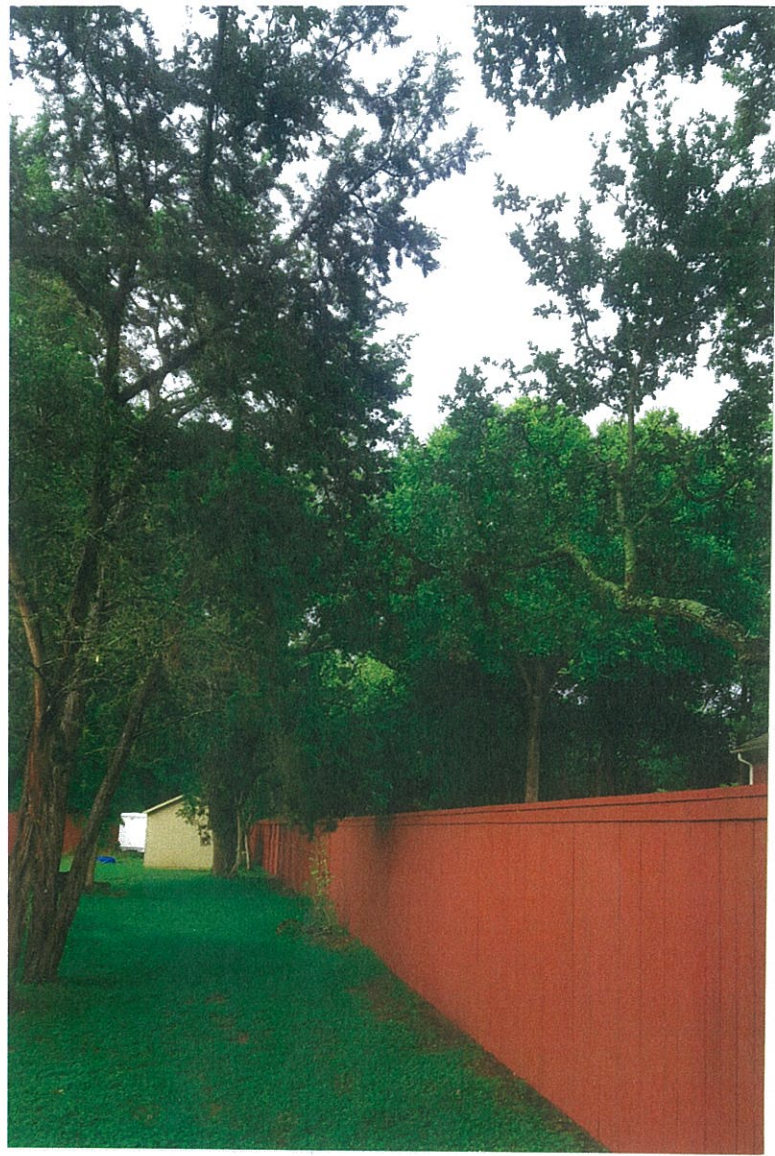
- Extra-large 64" wide double doors with full-length continuous hinges – great for riding mowers
- Generous 7' tall side walls provide extra storage space

Included with Purchase

- Flexible door location
- Two large windows
- Two transom door windows
- Extended roof overhangs
- Premium 3-point door lock
- Two deluxe gable vents
- 2x4 construction
- 10'W x 12"D shelf
- 4' deep storage loft
- Decorative door hinges
- Wall vents
- Roofing felt









City of Garden Ridge

"A way of life, not just a place to live"

LEGAL NOTICE

NOTICE OF PUBLIC HEARING CITY OF GARDEN RIDGE CITY COUNCIL

The City Council of the City of Garden Ridge, Texas will hold a public hearing on Wednesday, September 6, 2017 at 6:00 pm. The hearing will be in the City Council Chambers, 9400 Municipal Parkway, Garden Ridge, Texas.

The hearing will consider the following:

A petition by Anthony J. Colatarci for a variance to Ordinance 13-062017, Section 5, Residential, Paragraph 5.1.7.2.4.2, Interior Lots, there shall be a side yard of all interior lots of not less than fifteen (15) feet. The request is for the encroachment of an existing storage building into the 15 foot side yard at 8838 Cherokee Path, Garden Ridge, Texas 78266 and further described as Lot 10, Block 10, Forest of Garden Ridge.

The public is invited to attend and submit oral or written comments on this matter.

S/: Shelley Goodwin, TRMC
City Secretary



City of Garden Ridge

"A way of life, not just a place to live"

August 18, 2017

NOTICE OF PUBLIC HEARING

Dear Property Owner,

The City Council of the City of Garden Ridge, Texas will hold a public hearing on Wednesday, September 6, 2017 at 6:00 pm. The hearing will be in the City Council Chambers, 9400 Municipal Parkway, Garden Ridge, Texas.

The hearing will consider the following:

A petition by Anthony J. Colatarci for a variance to Ordinance 13-062017, Section 5, Residential, Paragraph 5.1.7.2.4.2, Interior Lots, there shall be a side yard of all interior lots of not less than fifteen (15) feet. The request is for the encroachment of an existing storage building into the fifteen (15) foot side yard at 8838 Cherokee Path, Garden Ridge, Texas 78266 and further described as Lot 10, Block 10, Forest of Garden Ridge.

A location map, site plan and a list of adjacent property owners are contained in the attachments.

This notice gives you the opportunity to express your support of, or objection to, this proposed action. Please feel free to call City Hall at (210) 651-6632 if you need additional information.

Sincerely,

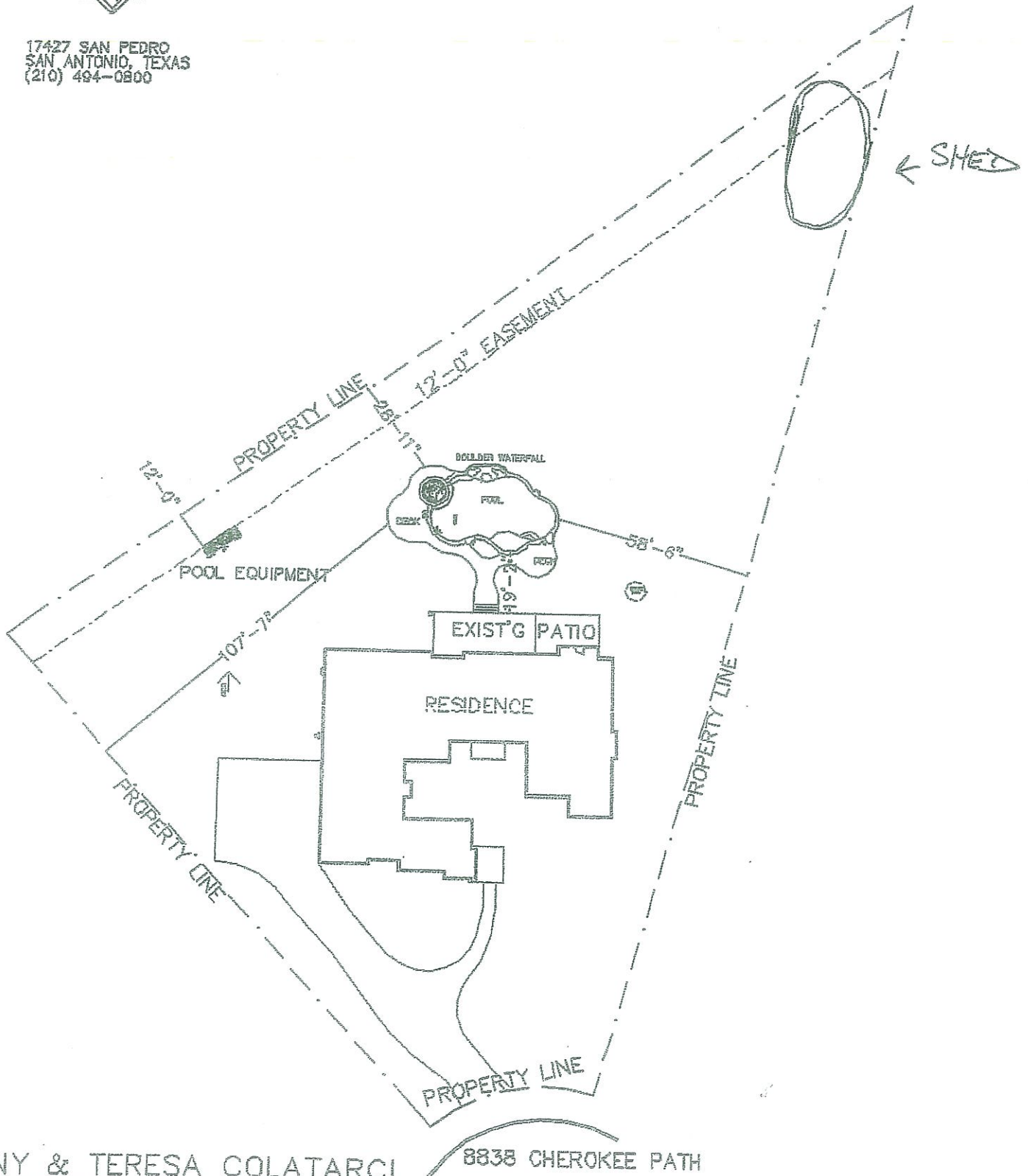

Shelley Goodwin, TRMC
City Secretary

3 Enclosures:

1. Location Map
2. Site Plan
3. Adjacent Property Owner List



17427 SAN PEDRO
SAN ANTONIO, TEXAS
(210) 494-0800

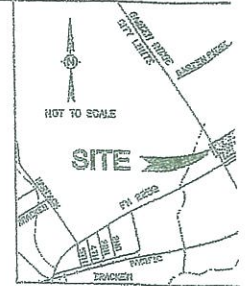
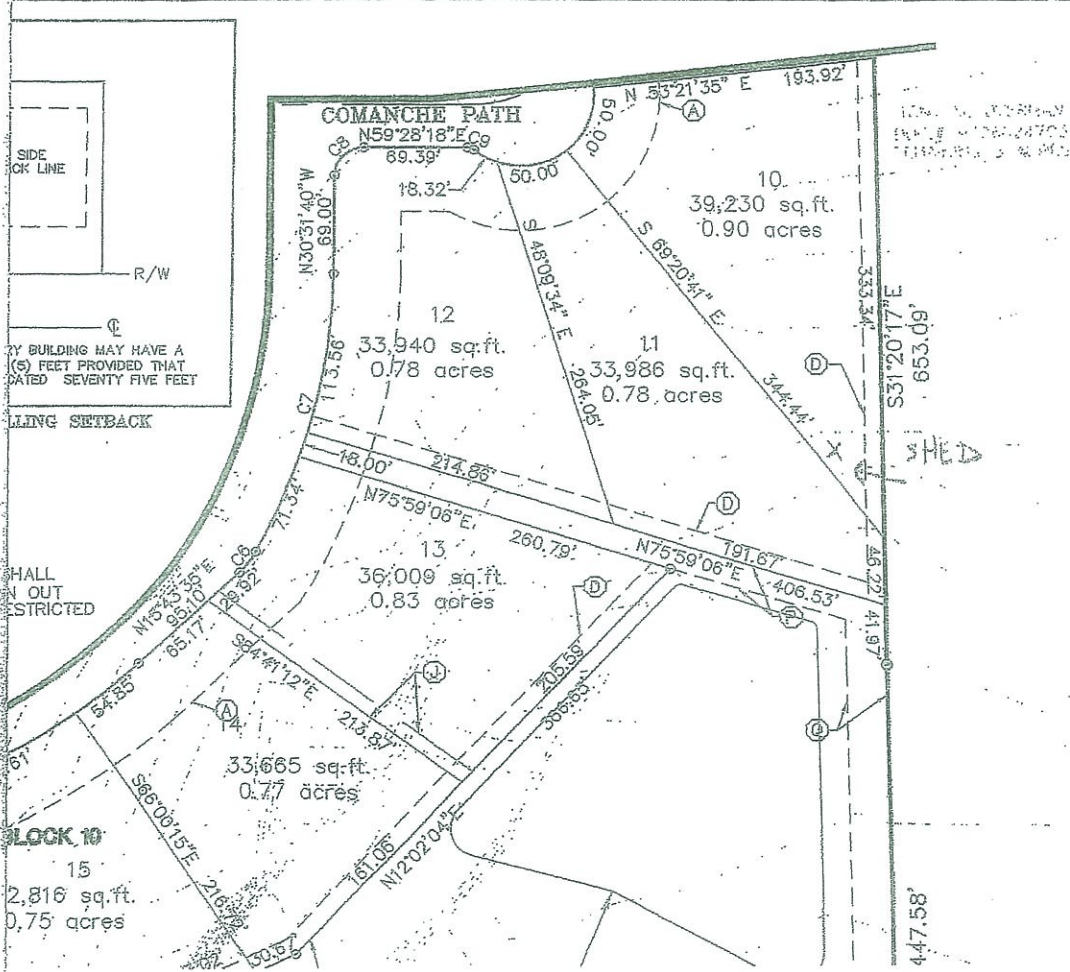


TONY & TERESA COLATARCI
8838 CHEROKEE PATH
GARDEN RIDGE TEXAS, 78266
LOT#10 BLOCK#10
SUBDIVISION THE FOREST OF GARDEN RIDGE
SCALE: 1" = 40'-0"

8838 CHEROKEE PATH

POOL 22'-9" X 38'-0"
40 SQ. FT. SPA
BOULDER WATERFALL
490 SQ. FT. OF DECK
12" OUT OF GRADE AVERAGE
LICENSE# IC1045

200506011615



- LEGEND**
- IRON PIN FOUND
 - 1/2" IRON ROD
 - R.O.W. RIGHT-OF-WAY
 - - - EXISTING CONTROL
 - E,G,T,CA ELECTRIC, GAS, T & CABLE TELEVISION



Neighbors within 200 feet of 8838 Cherokee Path, Garden Ridge, TX. 78266

Tony and Reagan Tunstall

8835 Cherokee Path

Garden Ridge, TX. 78266

Steve and Teresa Thomas

8834 Cherokee Path

Garden Ridge, TX. 78266

Breck and Megan Hale

8830 Cherokee Path

Garden Ridge, TX. 78266

Ronald Richard

8831 Cherokee Path

Garden Ridge, TX. 78266

Pat Ramirez

8827 Cherokee Path

Garden Ridge, TX. 78266

Tony Overman

18955 FM 2252

Garden Ridge, TX. 78266

Ph: (210) 317-1998

August 30, 2017

To: Mayor Thompson and the City Council

From: City Administrator Cain

In accordance with Ordinance 34 the City Council must set an annual fee for a Partial Exemption Permit for blasting. The fee assessed for the permits issued in fiscal year 2017 is \$17,800. It is recommended that the Partial Exemption Permit fee for fiscal year 2018 be increased by at least 5%. The proposed increase would equate to a permit fee of \$18,690. The 5% increase will offset Administrative costs incurred by the City during the 2018 fiscal year as it relates to administrative support associated with blasting that occurs at the Quarry.



Orica USA Inc.
33101 East Quincy Avenue
Watkins, Colorado 80137
Tel: 303-268-5220
Fax: 303-458-3610
byron.lossett@orica.com

August 10, 2017

City of Garden Ridge, Texas

Attn: City Administrator
9400 Municipal Parkway
Garden Ridge, Texas 78266

**RE: ORICA USA INC.'S REQUEST FOR PARTIAL EXEMPTION PERMIT TO CONDUCT
BLASTING PURSUANT TO ORDINANCE 34-082012 OF CITY OF GARDEN RIDGE, TEXAS**

Dear Nancy Cain:

Orica USA Inc. submits this letter for consideration of a Partial Exemption Permit to conduct blasting as defined in City of Garden Ridge, Texas Ordinance 34-082012.

As required by Ordinance 34-082012, the letter includes:

1) The name of the designee.

Orica USA Inc.

2) The name of the designee's representative for purposes of the application (if the designee is not a natural person).

Byron Lossett (General Manager) Orica USA, Southwest Region

3) Copies of any state or federal licenses and permits authorizing the Requestor to possess and use explosives.

Refer to Appendix 1.0

- Orica USA Employee Authorized Signature List
- ATF Notice of Clearance For individuals transporting, shipping, receiving, or possessing explosives materials
- Orica USA (18 U.S.C. Chapter 40, Explosives License / Permit)
- Blaster's Permits

4) Complete contact information, including name, address, phone number, facsimile number and e-mail address for the City's use in processing the application. The contact information provided shall be used for all communications in connection with the processing of the application and the operation.

Contact during the application process:

Name: Byron Lossett
Address: 4004 Granada Drive
Georgetown, TX 78628
Phone #: 512-966-8395 (Cell)
Email: byron.lossett@orica.com

Contact for blasts fired at the Lehigh Hanson — Servtex Quarry

Name: Byron Lossett
Address: 4004 Granada Drive
Georgetown, TX 78628
Phone #: 512-966-8395 (Cell)
Email: byron.lossett@orica.com

5) A full description of the designee's legal and factual relationship to the property(ies) upon which the Blasting shall be conducted.

Legal Name: Orica USA Inc.

Relationship: Explosives' Supplier to the Lehigh Hanson — Servtex Quarry

6) A detailed description of the operation to be conducted.

Blast Plan: Lehigh Hanson – Servtex Quarry

Benches

- Prior to blast, all benches will be inspected for potential problem areas.
- Potential problem areas seen during face inspection will be profiled.
- Profiles will be dated and saved to digital media in case information is required later.
- The face height shall be designed as to allow for safe blasting procedures, to minimize air blast and ground vibration.
- Hole depths will be set at three feet below the desired floor elevation.

- Any changes in bench height or actions taken to correct the bench height will be clearly noted in the blast report.
- Drill logs will be provided for all bore holes. Hole depths will be verified and checked against the drill logs. Drill logs will be attached to their respective blast reports. Any deviation in hole depth 5% or more as well as potential problems noted in the drill logs will be brought to the quarry superintendent's attention for discussion and resolution.
- If conditions on the bench pose a safety hazard the mine superintendent will be notified immediately so conditions and solutions can be discussed.

Timing and Patterns

- Blasts patterns will be laid out in such a way that will allow for safe loading and initiation of all loaded bore holes.
- Multiple row blasts will be laid out on a staggered pattern.
- Patterns will be designed and laid out by Orica personnel. If cracks from fault lines prohibit pattern layout or might create an unsafe drilling or loading condition, it will be immediately brought to the mine superintendent's attention so conditions and solutions can be discussed.
- Burden and spacing will be verified prior to blasting. If burden or spacing differ from blast plan by two feet or more it should be reported to the quarry immediately and solutions discussed at that time. If conditions on the bench pose a safety hazard the mine superintendent will be notified immediately so conditions and solutions can be discussed.
- Any deviation from the blast plan shall be discussed with and approved by the quarry superintendent, and clearly noted in the comments section of the blast report. All factors shall be considered and discussed prior to deviating from the blast plan.

Administrative

- Daily explosive inventories and the total explosive use per day will be turned in to the quarry location manager. The quarry location manager will co-ordinate with Hanson office personnel for purchase orders and invoices. Copies of the full blast report packet will be provided to the quarry administrative office and the Orica location manager within 24 hours of the blast.

Type of Explosives (Bulk Explosives and Initiation Systems)

- Bulk Ammonia Nitrate Prill and Fuel Oil (Blasting Agent)
- Bulk Emulsion Blends=Ammonium Nitrate Solution + Fuel Oil + Ammonium Nitrate Prill
- Cast Boosters
- Electronic Detonator Assemblies
- Nonel – non-electric Detonators

7) The period of time the anticipated use shall continue.

Orica USA Inc. anticipates continuing to perform blasting services at the Lehigh Hanson - Servtex Quarry through the permit timeline (i.e. October 1, 2017 through September 30, 2018).

8) Any supplemental information requested and deemed pertinent by the City Administrator.

Not applicable at this time

9) Any supplemental information the designee deems pertinent prior to City Council consideration.

Proof of Insurance

- Refer Appendix 1.0 for the Certificate of Liability Insurance
(Note: Orica issues Certificates of Liability Insurance annually on September 25.
A new Certificate will be issued to the City of Garden Ridge on September 30, 2017)
The current certificate is active until September 30, 2017.

Monitoring

- A third party selected by the Regulatory Authority shall perform the primary seismic monitoring.
- Orica will utilize the Site Law Model, a software modeling program to predict a blast's PPV. The Site Law Model determines the minimum instantaneous charge weight for each shot prior to loading.
- Ground vibration shall not exceed the frequency based PPV limit of 70% of the USBMZ – curve as recorded by any monitor designated by the Regulatory Authority.

Weather

- Orica will monitor all weather patterns and conditions prior to loading each shot. The blaster will communicate with quarry management and discuss any weather conditions that may adversely affect the ground vibration and air blast reading or the outcome of a blast, prior to loading a shot.

Guidelines

- Orica may modify the above guidelines based on the past history and knowledge gained over time from the previous blast fired at Lehigh Hanson – Servtex Quarry. Analysis of ground vibration and air blast data collected from past seismic monitoring at the Lehigh Hanson Servtex Quarry will provide a basis in the modification of guidelines.
- Orica will conduct its blasting practices within the guidelines set forth by Federal, State and Local Governing Agencies while maintaining strict adherence to Orica blasting policies and procedures.

- 1) Identifying all real property where the activity of Blasting shall be conducted by street address (if any) and legal description. Any property not listed will not be included in any permit, if authorized. If multiple properties are to be considered, and some are not within the City limits, but is within the City's extra-territorial jurisdictional limits, please include each property in the list but designate the property with the comment: "ET J Property".

-
- GRAPHIC SCALE:**
 METERS: 0 100 200 300 400 500
 FEET: 0 100 200 300 400 500
- LEGEND**
- PROPERTY BOUNDARY ———
 PARCEL BOUNDARY ———
 GARDEN ROAD ———
 GARDEN RIDGE ———
 SCHWITZ ———
 SAN ANTONIO ———
- TABLE OF ACRES**
- | TRACT | ACRES | OWNER | REMARKS |
|-------|-------|-------|---------|
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Letter from the Owner

- 4) Documentation and facts demonstrating that the Requestor's Blasting operation is going to be conducted in a manner that minimizes its related adverse impact on property value, other land use development, the economy, employment, property taxes and the public and communities who live and work adjacent to such land use. Please specifically list all steps taken, such as distance limitations related to adjacent properties, use of berms and any dust and noise remediation efforts, etc.

- The attached is being provided for the permit

- Lehigh Hanson Servtex will maintain the required distance off of the property line.
- Use of water trucks to water haul road to minimize dust.
- Built the berm between the quarry and Trophy Oaks for noise and dust control
- Monitor weather conditions to plan shots days and timing of when the shot is initiated.
- Refer to Section 9, of Attachment B — to Ordinance 34-082012

5) Documents and facts demonstrating efforts by designee to protect and mitigate the perceived negative adverse affects such activity has on real property values, public safety, health & welfare interests, including the quality of life within the City, neighboring properties and the public.

Refer to Section 9, of Attachment B — to Ordinance 34-082012

- Orica will continue to safely conduct blasting operations as it has in the past year, All efforts will be made to conduct all blast in a safe manner while meeting the strict guidelines of the Garden Ridge City Ordinance 34-082012

6) Payment of the appropriate application fee, including any related City fees for monitoring blasting for each permitted Partial Exemption Permit site.

- To be paid by Orica USA Inc. (to be done by Byron Lossett)

If you require any additional information or have any comments or questions to this letter, please do not hesitate to contact me at the phone, e-mail or address set forth above.

Thank you for your time, and we look forward to working with the City of Garden Ridge on this matter.

Sincerely,

Byron Lossett
General Manager
US Mining Services
Southwest

Region



Appendix 1.0

Orica USA Inc.
5844 Fm 482
New Braunfels, TX 78132

BATFE# 5-TX-091-20-8L-12375
Expires: November 1, 2018

Authorization To Sign For & Receive Explosives

The Following Orica employees are authorized to order, acquire, and or purchase and receive explosives materials for the above company. The explosives purchased will be used for resale

Byron J Lossett
4004 Granada Dr.
Georgetown, TX 78628

Place of Birth: Picayune, MS

Brad Minkina
2137 Sungate Drive
New Braunfels, TX 78130

Place of Birth: Saginaw, MI

Byron C Schwartz
2374 Royal Gate Drive
New Braunfels, TX 78132

Place of Birth: New Braunfels, TX

Roberto Gonzalez
2701 twocourts Way
Schertz, TX 78154

Place of Birth: Mission, TX

Danny C Patterson
231 Private Road
Alvord, TX 76225

Place Of Birth: Bridgeport, TX

Kevin S Clarke
2555 Dove Crossing Dr.
New Braunfels, TX 78130

Place of Birth: Leadville, CO

Robert H Darragh
341 Primrose Drive
Kyle, TX 78640

Place of Birth: Alquippa, PA

Ricky Ward
3400 Broken Spoke Trail
Georgetown, TX 78628

Place of Birth: Austin, TX

Lisa A Katwyk
626 N 550 E
American Fork, UT 84003

Place of Birth: Salt Lake City, UT

Lehigh Hanson
HE1DELBERGCEMENTGroup

**Hanson Aggregates
Servtex Quarry**

August 14, 2017

Nancy Cain
City Administrator
City of Garden Ridge
9500 Municipal Parkway
Garden Ridge, Texas, 78266-2600

RE: Orica's Application for a Partial Exemption Permit for Blasting in October 2017 through September 2018.

Nancy,

We have asked Orica to pursue obtaining a Partial Exemption Permit for Blasting within the City Limits of Garden Ridge per Ordinance 34 for the fiscal year of 2018. We will assist with any necessary documentation for the permit. If there is any questions or concerns, please contact me directly at hal.halamuda@lehighhanson.com or my office phone (210) 658-7461.

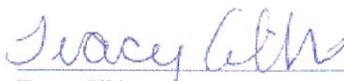
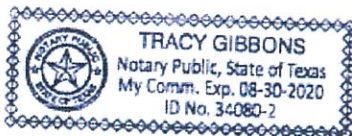
Best Regards



Hal Halamuda

CC: Byron Lossett, Orica Explosives, Donnie Ruddick, Orica Explosives

Sworn to and subscribed before me by Hal Halamuda, on this the 21st day of August, 2017.



Tracy Gibbons
Notary Public in and for
The State of Texas
My Commission expires: 8-30-2020



U.S. Department of Justice
Bureau of Alcohol, Tobacco, Firearms and Explosives
Federal Explosives Licensing Center (FELC)
www.atf.gov

Federal Explosives Licensing Center
244 Needy Road
Martinsburg, West Virginia 25405
telephone: (877)283-3352 fax: (304)616-4401

NOTICE OF CLEARANCE

for individuals transporting, shipping, receiving, or possessing explosive materials.

ISSUED TO: ORICA USA INC

Federal Explosives license/permit no.: 5-TX-091-20-8L-12375

NOTICE DATE: 10/20/2016

Expiration Date: November 1, 2018

Explosives License/Permit Type: 20 MANUFACTURER OF EXPLOSIVES

EXPIRATION DATE: This Notice expires when superseded by a newer Notice which will list all current responsible persons and employee possessors, or when the license or permit expires - whichever comes first.

- 1 **WARNING.** Only those individuals listed below as RESPONSIBLE PERSONS and EMPLOYEE POSSESSORS with a background clearance status of "CLEARED" or "PENDING" are authorized to transport, ship, receive, or possess explosive materials in the course of employment with you.
- 2 **"DENIED" STATUS.** If an employee possessor has a background clearance status of "DENIED", you MUST take immediate steps to remove the employee from a position requiring the transporting, shipping, receiving, or possessing of explosive materials. Also, if the employee has been listed as a person authorized to accept delivery of explosive materials, you MUST remove the employee from such list and immediately, and in no event later than the second business day after such change, notify distributors of such change, as stated in 27 CFR 555.33(a).
- 3 **CHANGE IN RESPONSIBLE PERSONS.** You MUST report any change in responsible persons to the Chief, Federal Explosives Licensing Center, within 30 days of the change and new responsible persons MUST include "appropriate identifying information" as defined in 27 CFR 555.11. Fingerprints and photos are NOT required, however they will be required upon renewal of the license or permit.
- 4 **CHANGE OF EMPLOYEES.** You MUST report any change of employee/possessors to the Chief, FELC, within 30 days. Reports relating to newly hired employees must be submitted on ATF Form 5400.28 for EACH employee.

Premises Address: 5844 FM 412
NEW BRAUNFELS, TX 78132

Mailing Address:

ORICA USA INC
33101 EAST QUINCY AVE POC: CYNDI DELANEY
WATKINS, CO 80137

This 'Notice of Clearance' is provided to you as required by 18 U.S.C. 843(b) and MUST be retained as part of your permanent records and be made available for examination or inspection by ATF officers as required by 27 CFR 555.121. If you receive a Notice subsequent to this Notice, this Notice will no longer be valid.

In accordance with 27 CFR 555.33, Background Checks and Clearances, and 27 CFR 555.57, Change of Control, Change in Responsible Persons, and Change of Employees, ATF's Federal Explosives Licensing Center (FELC) has conducted background checks on the individual(s) you identified as a responsible person(s) and an employee/possessor(s) on your application, or reported after the issuance of your license/permit.

The following is a SUMMARY of the results of the background checks conducted on the individuals you reported as responsible persons and employee/possessors. ATF will be notifying ALL individuals listed on this document of their respective status by separate letter mailed to their residence address.

PLEASE BE ADVISED THAT IT IS UNLAWFUL FOR ANY PERSON REFLECTING A STATUS OF "DENIED" TO TRANSPORT, SHIP, RECEIVE, OR POSSESS EXPLOSIVE MATERIALS.

Please carefully review this Notice to ensure that all the information is accurate. If this Notice is incorrect, please return the Notice to the Chief, FELC, with a statement showing the nature of the error(s). The Chief, FELC, shall correct the error, and return a corrected Notice.

Number of RESPONSIBLE PERSON(S) : 9

Number of EMPLOYEE POSSESSOR(S): 7

LAST NAME, First Name, Middle Name Clearance Status

RESPONSIBLE PERSONS:

0001 CLARKE, KEVIN SEAN	Cleared
0002 DELANEY, CYNTHIA ANN	Cleared
0003 HAID, JOSEPH ALEXANDER	Cleared
0004 HARLEN, STANLEY ROWLAND	Cleared
0005 JONES, SHANE ALDO	Cleared
0006 LOSSETT, BYRON JASON	Cleared
0007 MAGGARD, DOUGLAS M	Cleared
0008 PATTERSON, DANNY CRAIG	Cleared

continued

LAST NAME, First Name, Middle Name Clearance Status

0009 THIGPEN, W SUZANNE ROWELL Cleared

EMPLOYEE POSSESSORS:

0001 AGUIRRE, RYAN DONNELL	Cleared
0002 GONZALEZ, ROBERTO	Cleared
0003 GUTIERREZ, MARK ANTHONY	Cleared
0004 KATWYK, LISA ANN	Cleared
0005 MINKINA, BRAD AARON	Cleared
0006 NICHOLS, ADAM LOSSON	Cleared
0007 WARD, RICHARD JOSEPH	Cleared

U.S. Department of Justice
Bureau of Alcohol, Tobacco, Firearms and Explosives

Federal Explosives License/Permit
(18 U.S.C. Chapter 40)

© 2008 BUREAU OF ALCOHOL, TOBACCO, FIREARMS & EXPLOSIVES

In accordance with the provisions of Title XI, Organized Crime Control Act of 1970, and the regulations issued thereunder (27 CFR Part 555), you may engage in the activity specified in this license or permit within the limitations of Chapter 40, Title 18, United States Code and the regulations issued thereunder, until the expiration date shown. **THIS LICENSE IS NOT TRANSFERABLE UNDER 27 CFR 555.53.** See "WARNINGS" and "NOTICES" on reverse.

Direct ATF Correspondence To	ATF - Chief, FELC 244 Needy Road Martinsburg, WV 25405-9431	License/Permit Number	5-TX-091-20-8L-12375
Chief, Federal Explosives Licensing Center (FELC)	<i>Christopher R. Reers</i>	Expiration Date	November 1, 2018
Name	ORICA USA INC		

Premises Address (Changes? Notify the FELC at least 10 days before the move.) 5844 FM 482 NEW BRAUNFELS, TX 78132-
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Type of License or Permit

20-MANUFACTURER OF EXPLOSIVES

Purchasing Certification Statement

The licensee or permittee named above shall use a copy of this license or permit to assist a transferor of explosives to verify the identity and the licensed status of the licensee or permittee as provided by 27 CFR Part 555. The signature on each copy must be an original signature. A faxed, scanned or e-mailed copy of the license or permit with a signature intended to be an original signature is acceptable. The signature must be that of the Federal Explosives Licensee (FEL) or a responsible person of the FEL. I certify that this is a true copy of a license or permit issued to the licensee or permittee named above to engage in the business or operations specified above under "Type of License or Permit."

Mailing Address (Changes? Notify the FELC of any changes.)

ORICA USA INC
33101 EAST QUINCY AVE ATTN: OLIVER RAMIREZ
WATKINS, CO 80137

Byron Lossett
Licensee/Permittee Responsible Person Signature
Byron Lossett

South West Region District Lead

Position/Title

12/01/2015

Date

Previous Edition is Obsolete

DO NOT WRITE OR SIGN IN THESE SPACES

ATF Form 5400-14/5400-15 Part 1
Revised October 2011

Federal Explosives License (FEL) Customer Service Information

Federal Explosives Licensing Center (FELC)
244 Needy Road
Martinsburg, WV 25405-9431

Toll-free Telephone Number: (877) 283-3352
Fax Number: (304) 616-4401
E-mail: FELC@atf.gov

ATF Homepage: www.atf.gov

Change of Address (27 CFR 555.54(a)(1)). Licensees or permittees may during the term of their current license or permit remove their business or operations to a new location at which they intend regularly to carry on such business or operations. The licensee or permittee is required to give notification of the new location of the business or operations not less than 10 days prior to such removal with the Chief, Federal Explosives Licensing Center. The license or permit will be valid for the remainder of the term of the original license or permit. (The Chief, FELC, shall, if the licensee or permittee is not qualified, refer the request for amended license or permit to the Director of Industry Operations for denial in accordance with § 555.54.)

Right of Succession (27 CFR 555.59). (a) Certain persons other than the licensee or permittee may secure the right to carry on the same explosive materials business or operations at the same address shown on, and for the remainder of the term of, a current license or permit. Such persons are: (1) The surviving spouse or child, or executor, administrator, or other legal representative of a deceased licensee or permittee; and (2) A receiver or trustee in bankruptcy, or an assignee for benefit of creditors. (b) In order to secure the right provided by this section, the person or persons continuing the business or operations shall furnish the license or permit for that business or operations for endorsement of such succession to the Chief, FELC, within 30 days from the date on which the successor begins to carry on the business or operations.

Cut Here

(Continued on reverse side)

Federal Explosives License/Permit (FEL) Information Card	
License/Permit Name:	ORICA USA INC
Business Name:	
License/Permit Number:	5-TX-091-20-8L-12375
License/Permit Type:	20-MANUFACTURER OF EXPLOSIVES
Expiration:	November 1, 2018
Please Note: Not Valid for the Sale or Other Disposition of Explosives.	



CITY OF SAN ANTONIO
FIRE PREVENTION DIVISION

1901 SOUTH ALAMO STREET
SAN ANTONIO, TEXAS 78204
(210) 207-8410 FAX: (210) 207-7949



PERMIT NO.	PERMIT TYPE	BUSINESS/ORGANIZATION	APPLICATION DATE	ISSUED DATE	EXPIRATION DATE
918932	EXPLOSIVES		08/10/2017	04/13/2009	08/05/2018
PERMIT HOLDER INFORMATION: BRAD A MINKINA 21541 OLD NACOGDOCHES NEW BRAUNFELS					
ADDITIONAL PERMIT INFORMATION: BLASTER RENEWAL FOR BRAD A MINKINA ORICA					
BY VIRTUE OF THE PROVISIONS OF THE ADOPTED 2012 INTERNATIONAL FIRE CODE AND THE ORDINANCES CODIFIED IN THE CITY CODE OF SAN ANTONIO, TEXAS, THE ABOVE NAMED APPLICANT, AT THE ABOVE NAMED LOCATION, IS HEREBY GRANTED THIS PERMIT FOR: EXPLOSIVES BLASTER - RENEWAL THIS PERMIT MUST BE KEPT POSTED ON THE PREMISES AT ALL TIMES AND IS ISSUED AND ACCEPTED ON CONDITION THAT ALL REGULATIONS NOW ADOPTED, OR MAY HEREAFTER BE ADOPTED, SHALL BE COMPLIED WITH. THIS PERMIT IS SUBJECT TO REVOCATION FOR ANY APPLICABLE FIRE CODE VIOLATION(S) AND DOES NOT TAKE THE PLACE OF ANY LICENSE REQUIRED BY LAW AND IS NOT TRANSFERABLE. THIS EXPLOSIVES BLASTER - RENEWAL PERMIT IS UNASSIGNABLE AND NON-TRANSFERABLE AND NO PERSON SHALL OPERATE UNDER, OR HAVE THE BENEFIT OF, ANOTHER PERSON'S PERMIT.					

APPROVED BY: CHAVEZ 283 DATE: 8/16/2017

P E R M I T



CITY OF SAN ANTONIO FIRE PREVENTION DIVISION

1901 SOUTH ALAMO STREET
SAN ANTONIO, TEXAS 78204
(210) 207-8410 FAX: (210) 207-7949



PERMIT NO.	PERMIT TYPE	BUSINESS/ORGANIZATION	APPLICATION DATE	ISSUED DATE	EXPIRATION DATE
921953	EXPLOSIVES		08/10/2017	09/07/2011	8/10/2018
PERMIT HOLDER INFORMATION: ROBERT DARRAGH 137 SYDNEYS WAY BUDA					
ADDITIONAL PERMIT INFORMATION: BLASTERS PERMIT ROBERT HART DARRAGH JR ORICA					
BY VIRTUE OF THE PROVISIONS OF THE ADOPTED 2012 INTERNATIONAL FIRE CODE AND THE ORDINANCES CODIFIED IN THE CITY CODE OF SAN ANTONIO, TEXAS, THE ABOVE NAMED APPLICANT, AT THE ABOVE NAMED LOCATION, IS HEREBY GRANTED THIS PERMIT FOR: EXPLOSIVES BLASTER THIS PERMIT MUST BE KEPT POSTED ON THE PREMISES AT ALL TIMES AND IS ISSUED AND ACCEPTED ON CONDITION THAT ALL REGULATIONS NOW ADOPTED, OR MAY HEREAFTER BE ADOPTED, SHALL BE COMPLIED WITH. THIS PERMIT IS SUBJECT TO REVOCATION FOR ANY APPLICABLE FIRE CODE VIOLATION(S) AND DOES NOT TAKE THE PLACE OF ANY LICENSE REQUIRED BY LAW AND IS NOT TRANSFERABLE. THIS EXPLOSIVES BLASTER PERMIT IS UNASSIGNABLE AND NON-TRANSFERABLE AND NO PERSON SHALL OPERATE UNDER, OR HAVE THE BENEFIT OF, ANOTHER PERSON'S PERMIT.					

APPROVED BY: [Signature] DATE: 8/16/2017

Employee Possessor Letter of Clearance for:

