VOLUME 2 Appendix 3-C to 4-A (Map 14, 15, 16)

# FINAL REGION 5 NECHES 2023 REGIONAL FLOOD PLAN

**JANUARY 2023** 

PREPARED FOR THE REGION 5 NECHES FLOOD PLANNING GROUP

## APPENDIX 3-C FLOODPLAIN MANAGEMENT GOALS

Table 11: Flood Mitigation and Floodplain Management Goals

Goal ID	RFPG No.	RFPG Name	Goal	Term of Goal	Target Year	Applicable To	Residual Risk	Measurement Method	Overarching Goal	Associated Goal IDs
05000001	5	Neches	An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.	Short Term (10- year)	2033	Entire RFPG	The remainder of the new regional infrastructure projects between 2023 – 2033 will not be designed for larger storm events (>100 -year).	Number of new projects within region between 2023 – 2033 designed for larger storm events.	Improve Flood Infrastructure	05000002
05000002	5	Neches	An average of 25% of the new regional infrastructure projects between 2033 – 2053 will utilize larger storm events (>100-year) as the basis of their design.	Long Term (30- year)	2053	Entire RFPG	The remainder of the new regional infrastructure projects between 2033 – 2053 will not be designed for larger storm events (>100 -year).	Number of new projects within region between 2033 – 2053 designed for larger storm events.	Improve Flood Infrastructure	05000001
05000003	5	Neches	RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.	Short Term (10- year)	2033	Entire RFPG	Areas outside of the project's service area will not achieve a reduction in water surface elevation.	Number of new flood risk reduction projects between 2023 - 2033 incorporating nature- based practices (LID, FEMA Nature-Based Solutions guide)	Improve Flood Infrastructure	05000004
05000004	5	Neches	RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.	Long Term (30- year)	2053	Entire RFPG	Areas outside of the project's service area will not achieve a reduction in water surface elevation.	Number of new flood risk reduction projects between 2033 - 2053 incorporating nature- based practices (LID, FEMA Nature-Based Solutions guide)	Improve Flood Infrastructure	05000003
05000005	5	Neches	Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.	Short Term (10- year)	2033	Entire RFPG	85% of critical facilities within the region have no change in flood risk from the 100-year storm event.	Number of critical facilities removed from the 100- year flood risk inundation extent.	Improve Flood Infrastructure	05000006
05000006	5	Neches	Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.	Long Term (30- year)	2053	Entire RFPG	75% of critical facilities within the region have no change in flood risk from the 100-year storm event.	Number of critical facilities removed from the 100- year flood risk inundation extent.	Improve Flood Infrastructure	05000005
05000007	5	Neches	Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.	Short Term (10- year)	2033	Entire RFPG	90% of existing within the 100-year flood risk inundation extent will have no change to flood risk.	Number of existing structures removed from the 100-year flood risk inundation extent.	Improve Flood Infrastructure	05000008

# Table 11: Flood Mitigation and Floodplain Management Goals

Goal ID	RFPG No.	RFPG Name	Goal	Term of Goal	Target Year	Applicable To	Residual Risk	Measurement Method	Overarching Goal	Associated Goal IDs
05000008	5	Neches	Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.	Long Term (30- year)	2053	Entire RFPG	70% of existing structures within the 100-year flood risk inundation extent will have no change to flood risk	Number of existing structures removed from the 100-year flood risk inundation extent.	Improve Flood Infrastructure	05000007
05000009	5	Neches	Increase the amount of State/Federal funding for flood mitigation projects and strategies awarded within the Neches Region by 25%.	Short Term (10- year)	2033	Entire RFPG	Flood risk mitigation actions not executed as a result of lack of funding.	Increase in awarded funding based on total received in 2017 to be directed to the execution of flood mitigation actions.	Expand Funding	05000010
05000010	5	Neches	Increase the amount of State/Federal funding for flood mitigation projects and strategies awarded within the Neches Region by 75%.	Long Term (30- year)	2053	Entire RFPG	Flood risk mitigation actions not executed as a result of lack of funding.	Increase in awarded funding based on total received in 2017 to be directed to the execution of flood mitigation actions.	Expand Funding	05000009
05000011	5	Neches	Increase percentage of areas with dedicated funding sources for operations & maintenance for storm drainage system to 50% of communities.	Short Term (10- year)	2033	Entire RFPG	Entities without dedicated funding have no change in flood risk; entities with new funding sources have reduced risk as stormwater O&M and capital projects are implemented.	Number of entities within region with dedicated funding sources for stormwater operations and maintenance.	Expand Funding	05000012
05000012	5	Neches	Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 75% of communities.	Long Term (30- year)	2053	Entire RFPG	Entities without dedicated funding have no change in flood risk; entities with new funding sources have reduced risk as stormwater operations and maintenance projects are implemented.	Number of entities within region with dedicated funding sources for stormwater operations and maintenance.	Expand Funding	05000011
05000013	5	Neches	50% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the maintenance and/or restoration of flood infrastructure.	Short Term (10- year)	2033	Entire RFPG	Entities without continuous funding mechanisms may see an increase in flood risk as infrastructure may not function as designed. The population of the region within entities that have continuous funding mechanisms are able to maintain existing flood risk.	Number of people within region located in the jurisdictions of entities that have continuous funding mechanisms.	Expand Funding	05000014
05000014	5	Neches	75% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the maintenance and/or restoration of flood infrastructure.	Long Term (30- year)	2053	Entire RFPG	Entities without continuous funding mechanisms may see an increase in flood risk as infrastructure may not function as designed. The population of the region within entities that have continuous funding mechanisms are able to maintain existing flood risk.	Number of people within region located in the jurisdictions of entities that have continuous funding mechanisms.	Expand Funding	05000013
05000015	5	Neches	Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.	Short Term (10- year)	2033	Entire RFPG	No direct change to flood risk inundation extents; 75% of current areas with gaps will have improved flood hazard mapping that can provide a better understanding of structures at risk of flooding.	Number of HUC10s within region, previously marked as having gaps in mapping, with detailed flood hazard studies that utilize consistent methodology.	Improve Data	05000016

Table 11: Flood Mitigation and Floodplain Management Goals

Goal ID	RFPG No.	RFPG Name	Goal	Term of Goal	Target Year	Applicable To	Residual Risk	Measurement Method	Overarching Goal	Associated Goal IDs
05000016	5	Neches	Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.	Long Term (30- year)	2053	Entire RFPG	No direct change to flood risk inundation extents; all current areas with gaps will have improved flood hazard mapping that can provide a better understanding of structures at risk of flooding.	Number of HUC10s within region, previously marked as having gaps in mapping, with detailed flood hazard studies that utilize consistent methodology.	Improve Data	05000015
05000017	5	Neches	Increase the number of gauges across the Neches basin to cover 50% of the region's HUC10s.	Short Term (10- year)	2033	Entire RFPG	No direct change to flood risk inundation extents; the increased number of gauges will aid in better prediction of flood events.	Number of HUC10s within region that have gauges installed within them.	Improve Data	05000018
05000018	5	Neches	Increase the number of gauges across the Neches basin to cover 100% of the region's HUC10s.	Long Term (30- year)	2053	Entire RFPG	No direct change to flood risk inundation extents; the increased number of gauges will aid in better prediction of flood events.	Number of HUC10s within region that have gauges installed within them.	Improve Data	05000017
05000019	5	Neches	Develop and maintain critical infrastructure database	Short Term (10- year)	2033	Entire RFPG	No direct change to flood risk inundation extents; the critical infrastructure database will aid in providing information of critical infrastructure at risk of ≥100-yr storm events.	Implementation and maintenance of database to be used by the RFPG.	Improve Data	N/A
05000020	5	Neches	Give notice to 100% of affected units of local government and improve 50% of Low Water Crossings, identified in the latest Regional Flood Plan, by installing warning devices.	Short Term (10- year)	2033	Entire RFPG	No direct change to flood risk inundation extents; installing warning devices will aid in preserving life by warning the public when a crossing is inundated by a flood event.	Number of Low Water Crossings with newly installed warning devices.	Improve Flood Infrastructure	05000021
05000021	5	Neches	Give notice to 100% of affected units of local government and improve 100% of Low Water Crossings, identified in the latest Regional Flood Plan, by installing warning devices.	Long Term (30- year)	2053	Entire RFPG	No direct change to flood risk inundation extents; installing warning devices will aid in preserving life by warning the public when a crossing is inundated by a flood event.	Number of Low Water Crossings with newly installed warning devices.	Improve Flood Infrastructure	05000020
05000022	5	Neches	Give notice to 100% of affected units of local government and solicit funding applications for improvement or removal of 25% of Low Water Crossings identified in the latest Regional Flood Plan.	Short Term (10- year)	2033	Entire RFPG	75% of the Low Water Crossings identified in the latest Regional Flood Plan will be at risk of inundation during major flood events.	Number of Low Water Crossings improved or removed from the number identified in the latest Regional Flood Plan.	Improve Flood Infrastructure	05000023
05000023	5	Neches	Give notice to 100% of affected units of local government and solicit funding applications for improvement or removal of 80% of Low Water Crossings identified in the latest Regional Flood Plan.	Long Term (30- year)	2053	Entire RFPG	20% of the Low Water Crossings identified in the latest Regional Flood Plan will be at risk of inundation during major flood events.	Number of Low Water Crossings improved or removed from the number identified in the latest Regional Flood Plan.	Improve Flood Infrastructure	05000022
05000024	5	Neches	100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.	Short Term (10- year)	2033	Entire RFPG	No direct change to flood risk inundation extents; raising public awareness of flood-related risks will reduce future loss of life and mitigate future property damage.	Number of counties with active public education and awareness campaigns.	Expand Education and Outreach	05000025
05000025	5	Neches	Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.	Long Term (30- year)	2053	Entire RFPG	No direct change to flood risk inundation extents; raising public awareness of flood-related risks will reduce future loss of life and mitigate future property damage.	Number of counties with active public education and awareness campaigns.	Expand Education and Outreach	05000024



### COMMUNITY RATING SYSTEM ELIGIBLE COMMUNITIES

EFFECTIVE October 1, 2021

State   Community Number   Community Name   Community N						1			
SCC   450249   Rockville, Town of   10/4/1998   541/2018   6   20   10   C   C   C   C   C   C   C   C   C					Current Effective		% Discount for	% Discount for	
SC   450256   Saabrook Island, Town of   571/2004   571/2016   5   25   10   C   C   C   C   C   C   C   C   C	State	Community Number	Community Name	CRS Entry Date	Date	Current Class	SFHA	Non- SFHA	Status*
SC	SC	450249	Rockville, Town of	10/1/1998	5/1/2018	6	20	10	С
SC   450184   Sumter, Citry of   101/1/1992   51/1/2018   7   15   5   C	SC	450256	Seabrook Island, Town of	10/1/1995	5/1/2016	5	25	10	С
SC   450118   Sumer County   10/L/1992   51/L/2018   7   15   5   C	SC	455418	Sullivans Island, Town of	5/1/2004	5/1/2017	5	25	10	С
SC         450111         Surfside Beach, Town of         101/1/2010         5/1/2016         5         25         10         C           SC         450133         York County         10/1/2017         10/1/2017         9         5         5         C           SD         460007         Aberdeen, City of         10/1/2014         5/1/2014         8         10         5         C           SD         460044         Madison, City of         5/1/2014         5/1/2014         9         5         5         C           SD         460454         Parksten, City of         5/1/2014         5/1/2014         9         5         5         C           SD         460402         Parksten, City of         10/1/1992         5/1/2014         9         5         5         C           SD         460406         Spearish, City of         5/1/2014         4/1/2021         4/1/2021         4         10         5         NA           SD         46046         Spearish, City of         5/1/2017         5/1/2017         8         10         5         C           SD         46046         Variable, City of         5/1/2014         5/1/2017         8         10         5	SC	450184	Sumter, City of	10/1/1992	5/1/2018	7	15	5	С
SC         450193         Vork County         10/1/2009         5/1/2004         8         10         5         C           SD         460007         Abredeen, City of         10/1/2017         10/1/2015         9         5         5         C           SD         460044         Medade County         10/1/2015         10/1/2015         9         5         5         C           SD         460042         Parkston, City of         5/1/2014         5/1/2014         9         5         5         C           SD         460042         Parkston, City of         10/1/1992         5/1/2014         9         5         5         C           SD         460060         Sloux Falls, City of         4/1/2021         4/1/2021         8         10         5         NA           SD         460060         Sloux Falls, City of         5/1/2014         5/1/2014         9         5         5         C           SD         460016         Spearlish, City of         5/1/2014         5/1/2014         9         5         5         C           TN         470121         Athens, City of         5/1/2014         5/1/2014         9         5         5         C <t< td=""><td>SC</td><td>450182</td><td>Sumter County</td><td>10/1/1992</td><td>5/1/2018</td><td>7</td><td>15</td><td>5</td><td>С</td></t<>	SC	450182	Sumter County	10/1/1992	5/1/2018	7	15	5	С
SD	SC	450111	Surfside Beach, Town of	10/1/2010	5/1/2016	5	25	10	С
SD	SC	450193	York County	10/1/2009	5/1/2020	8	10	5	С
SD	SD	460007	Aberdeen, City of	10/1/2017	10/1/2017	9	5	5	С
SD         480042         Parkston, City of         5/1/2014         5/1/2014         9         5         5         C           SD         465420         Rapid City, City of         10/1/1992         5/1/2013         7         15         5         C           SD         460060         Sloux Falls, City of         4/1/2021         4/1/2021         8         10         5         NA           SD         460016         Watertown, City of         5/1/2017         8/1/2017         8         10         5         C           TN         470111         Athens, City of         10/1/1993         10/1/2007         8         10         5         C           TN         470182         Bristol, City of         5/1/2006         10/1/2007         8         10         5         C           TN         470150         Carthage, City of         10/1/1992         4/1/2021         10         0         0         R           TN         470150         Cookeville, City of         5/1/2014         5/1/2020         8         10         5         C           TN         470152         Elizabethton, City of         10/1/1993         5/1/2020         8         10         0         0 </td <td>SD</td> <td>460044</td> <td>Madison, City of</td> <td>5/1/2014</td> <td>5/1/2014</td> <td>8</td> <td>10</td> <td>5</td> <td>С</td>	SD	460044	Madison, City of	5/1/2014	5/1/2014	8	10	5	С
SD         465420         Rapid City, City of         10/1/1992         5/1/2018         7         15         5         C           SD         460060         Sioux Falls, City of         4/1/2021         4/1/2021         8         10         5         NA           SD         460016         Spearlish, City of         5/1/2017         5/1/2014         9         5         5         C           SD         460016         Watertown, City of         5/1/2017         5/1/2017         8         10         5         C           TN         470211         Athens, City of         10/1/1993         10/1/2009         8         10         5         C           TN         470182         Bristol, City of         5/1/2006         10/1/2007         8         10         5         C           TN         470150         Cookeville, City of         5/1/2014         5/1/2014         9         5         5         C           TN         470150         Fayetteville, City of         10/1/1993         5/1/2014         9         5         5         C           TN         470206         Franklin, City of         10/1/1993         10/1/1993         10/1/2018         8         10	SD	460054	Meade County	10/1/2015	10/1/2015	9	5	5	С
SD         460060         Sioux Falls, City of         4/1/2021         4/1/2021         8         10         5         NA           SD         460046         Spearfish, City of         5/1/2014         5/1/2017         8         10         5         C           SD         460016         Watertown, City of         5/1/2017         5/1/2017         8         10         5         C           TN         470112         Athens, City of         10/1/1993         10/1/2009         8         10         5         C           TN         470182         Bristol, City of         5/1/2006         10/1/2007         8         10         5         C           TN         470150         Carthage, City of         10/1/1992         4/1/2021         10         0         0         R           TN         470150         Cookeville, City of         5/1/2014         5/1/2020         8         10         5         C           TN         470205         Fayetteville, City of         10/1/1993         10/1/1993         10         0         0         R           TN         470205         Franklin, City of         10/1/1993         10/1/1993         10         0         0         R	SD	460042	Parkston, City of	5/1/2014	5/1/2014	9	5	5	С
SD         460046         Spearfish, City of         5/1/2014         5/1/2017         8         10         5         5           SD         460016         Watertown, City of         5/1/2017         \$/1/2017         8         10         5         C           TN         470211         Athens, City of         10/1/1993         10/1/2007         8         10         5         C           TN         470162         Carthage, City of         5/1/2004         10/1/1992         4/1/2021         10         0         0         0         R           TN         470150         Cookeville, City of         5/1/2014         5/1/2014         9         5         5         C           TN         470150         Cookeville, City of         10/1/1993         5/1/2014         9         5         5         5         C           TN         470150         Especitedile, City of         10/1/1993         5/1/2014         9         5         5         5         C           TN         470105         Fayetteville, City of         10/1/1993         10/1/2014         9         5         5         5         C           TN         470266         Franklin, City of         10/1/1993 </td <td>SD</td> <td>465420</td> <td>Rapid City, City of</td> <td>10/1/1992</td> <td>5/1/2013</td> <td>7</td> <td>15</td> <td>5</td> <td>С</td>	SD	465420	Rapid City, City of	10/1/1992	5/1/2013	7	15	5	С
SD         460016         Watertown, City of         5/1/2017         \$/1/2017         8         10         5         C           TN         470211         Athens, City of         10/1/1993         10/1/2009         8         10         5         C           TN         470128         Bristol, City of         5/1/2006         10/1/2007         8         10         5         C           TN         470150         Cookeville, City of         5/1/2014         \$/1/2014         9         5         5         C           TN         470150         Cookeville, City of         10/1/1993         \$/1/2014         9         5         5         C           TN         475425         Elizabethton, City of         10/1/1993         10/1/1993         10         0         0         R           TN         470105         Fayetteville, City of         10/1/1993         10/1/1993         10         0         0         0         R           TN         470205         Faraklin, City of         10/1/1993         10/1/1993         10/1/2014         9         5         5         C           TN         470206         Faraklin, City of         10/1/1993         10/1/1993         10/1/1994 </td <td>SD</td> <td>460060</td> <td>Sioux Falls, City of</td> <td>4/1/2021</td> <td>4/1/2021</td> <td>8</td> <td>10</td> <td>5</td> <td>NA</td>	SD	460060	Sioux Falls, City of	4/1/2021	4/1/2021	8	10	5	NA
TN         470211         Athens, City of         10/1/1993         10/1/2009         8         10         5         C           TN         470182         Bristol, City of         5/1/2006         10/1/2007         8         10         5         C           TN         470150         Carthage, City of         10/1/1992         14/1/2021         10         0         0         R           TN         470150         Cookeville, City of         10/1/1993         5/1/2014         9         5         5         C           TN         470105         Fayetteville, City of         10/1/1993         10/1/2010         8         10         5         C           TN         470105         Fayetteville, City of         10/1/1992         10/1/1993         10         0         0         R           TN         470205         Franklin, City of         10/1/1993         10/1/2018         8         10         5         C           TN         4705426         Gatlinburg, City of         10/1/1993         10/1/2011         9         5         5         C           TN         4705426         Humboldt, City of         10/1/1993         10/1/1995         10         0         0	SD	460046	Spearfish, City of	5/1/2014	5/1/2014	9	5	5	С
TN 470182 Bristol, City of 5/1/2006 10/1/2007 8 10 0 5 C TN 470176 Carthage, City of 10/1/1992 4/1/2021 10 0 0 0 R TN 470176 Cookeville, City of 5/1/2014 5/1/2014 9 5 5 5 C TN 470150 Cookeville, City of 10/1/1993 6/1/2020 8 10 0 5 C TN 470150 Fayetteville, City of 10/1/1993 10/1/2020 8 10 0 0 R TN 470105 Fayetteville, City of 10/1/1993 10/1/2018 8 10 5 C TN 470206 Franklin, City of 10/1/1993 10/1/2021 9 5 5 5 C TN 470206 Gatinburg, City of 10/1/1993 10/1/2021 9 5 5 5 C TN 470059 Humboldt, City of 10/1/1993 10/1/2021 9 5 5 5 C TN 470059 Humboldt, City of 10/1/1993 10/1/2021 9 5 5 5 C TN 470432 Johnson City, City of 10/1/1993 10/1/2021 9 5 5 5 C TN 470434 Kingsport, City of 10/1/1992 10/1/1997 10 0 0 0 R TN 475432 Johnson City, City of 10/1/1992 10/1/1997 10 0 5 C TN 470434 Kingsport, City of 10/1/1992 10/1/1997 10 0 0 0 R TN 475434 Knoxville, City of 10/1/1992 10/1/2019 6 20 10 C TN 470040 Morristown, City of 10/1/1992 10/1/1993 10 0 0 0 R TN 470400 Rashille, City of 10/1/1992 10/1/1993 10 0 0 0 R TN 470404 Nashille, City of 10/1/1992 10/1/1993 10 0 0 0 R TN 470404 Williamson County 10/1/1992 10/1/1995 10 0 0 0 R TN 470380 Watertown, City of 10/1/1992 10/1/1995 10 0 0 0 R TN 470380 Watertown, City of 10/1/1992 10/1/1995 10 0 0 0 R TN 470380 Watertown, City of 10/1/1992 10/1/1995 10 0 0 0 R TN 470380 Watertown, City of 10/1/1991 10/1/1996 10 0 0 0 R TN 470380 Watertown, City of 10/1/1991 5/1/2013 9 5 5 C TN 480586 Baytown, City of 10/1/1991 5/1/2010 6 20 10 C TX 480545 Bastrop County 10/1/1991 5/1/2010 6 20 10 C TX 485456 Baytown, City of 10/1/1991 5/1/2010 6 20 10 C TX 480549 Bellaire, City of 10/1/1991 5/1/2006 6 20 10 C TX 480549 Bellaire, City of 10/1/1991 5/1/2006 6 20 10 C TX 480589 Bellaire, City of 10/1/1991 10/1/2004 7 T 15 5 C	SD	460016	Watertown, City of	5/1/2017	5/1/2017	8	10	5	С
TN         470176         Carthage, City of         10/1/1992         4/1/2021         10         0         0         R           TN         470150         Cookewille, City of         5/1/2014         5/1/2014         9         5         5         C           TN         470105         Fayetteville, City of         10/1/1992         10/1/1993         10         0         0         R           TN         470206         Franklin, City of         10/1/1995         10/1/2018         8         10         5         C           TN         470206         Franklin, City of         10/1/1993         10/1/2012         9         5         5         C           TN         470059         Humboldt, City of         10/1/1993         10/1/1996         10         0         0         R           TN         470323         Johnson City, City of         10/1/1993         10/1/1996         10         0         0         0         R           TN         475432         Johnson City, City of         10/1/1993         10/1/1997         10         0         0         0         R           TN         475432         Knoxcounty         10/1/2002         5/1/2020         8	TN	470211	Athens, City of	10/1/1993	10/1/2009	8	10	5	С
TN 470150 Cookeville, City of 5/1/2014 5/1/2014 9 5 5 5 C TN 475425 Elizabethton, City of 10/1/1993 5/1/2020 8 10 5 C TN 470105 Fayetteville, City of 10/1/1993 10 0 0 0 R TN 470105 Fayetteville, City of 10/1/1993 10/1/2018 8 10 5 C TN 470206 Franklin, City of 10/1/2015 10/1/2018 8 10 5 C TN 470206 Franklin, City of 10/1/1993 10/1/2011 9 5 5 5 C TN 475426 Gatlinburg, City of 10/1/1993 10/1/2011 9 5 5 5 C TN 470059 Humboldt, City of 10/1/1993 10/1/2014 9 5 5 5 C TN 470459 Johnson City, City of 10/1/1993 10/1/1996 10 0 0 0 R TN 475432 Johnson City, City of 10/1/1992 10/1/1997 10 0 0 0 R TN 475433 Knox County 10/1/2002 5/1/2020 8 10 5 C TN 475433 Knox County 10/1/2002 5/1/2020 8 10 5 C TN 470040 Nashville, City of 10/1/1992 10/1/1993 10 0 0 0 R TN 470070 Morristown, City of 10/1/1992 10/1/1993 10 0 0 0 R TN 470040 Ripley, Town of 10/1/1992 10/1/1996 10 0 0 R TN 470100 Ripley, Town of 10/1/1991 10/1/1996 10 0 0 R TN 470380 Watertown, City of 5/1/2013 5/1/2013 9 5 5 C TN 470204 Williamson County 10/1/1991 10/1/2015 8 10 5 C TN 470204 Williamson County 5/1/2013 5/1/2013 9 5 5 C TN 470204 Williamson County 5/1/2013 5/1/2013 9 5 5 C TN 470204 Williamson County 5/1/2013 5/1/2013 9 5 5 C TN 485454 Arlington, City of 10/1/1991 10/1/2006 6 20 10 C TX 485456 Baytown, City of 10/1/1991 10/1/2004 8 10 5 C TX 485456 Baytown, City of 10/1/1991 5/1/2006 6 20 10 C TX 485457 Beaumont, City of 10/1/1991 5/1/2008 10/1/2004 8 10 5 C TX 485457 Beaumont, City of 10/1/1991 5/1/2008 10/1/2014 7 15 5 C TX 485456 Baytown, City of 10/1/1991 10/1/2004 10/1/2004 8 10 5 C TX 485456 Benbrook, City of 10/1/1991 10/1/2001 7 15 5 C	TN	470182	Bristol, City of	5/1/2006	10/1/2007	8	10	5	С
TN         475425         Elizabethton, City of         10/1/1993         5/1/2020         8         10         5         C           TN         470105         Fayetteville, City of         10/1/1992         10/1/1993         10         0         0         R           TN         470206         Franklin, City of         10/1/1993         10/1/2011         9         5         5         C           TN         475426         Gatlinburg, City of         10/1/1993         10/1/1996         10         0         0         R           TN         470059         Humboldt, City of         10/1/1993         10/1/1996         10         0         0         R           TN         470342         Johnson City, City of         10/1/1993         10/1/1996         10         0         0         R           TN         475432         Johnson City, City of         10/1/1993         10/1/1997         10         0         0         R           TN         475438         Knox County         10/1/1992         10/1/2019         6         20         10         C           TN         470040         Nashville, City of & Davidson County         10/1/1991         10/1/1993         10         0	TN	470176	Carthage, City of	10/1/1992	4/1/2021	10	0	0	R
TN         470105         Fayetteville, City of         10/1/1992         10/1/1993         10         0         0         R           TN         470206         Franklin, City of         10/1/2015         10/1/2018         8         10         5         C           TN         475426         Gatlinburg, City of         10/1/1993         10/1/1996         10         0         0         R           TN         470059         Humboldt, City of         10/1/1993         10/1/1996         10         0         0         0         R           TN         475432         Johnson City, City of         10/1/2014         10/1/2014         9         5         5         C           TN         475432         Johnson City, City of         10/1/1992         10/1/1997         10         0         0         R           TN         475438         Knox County         10/1/1992         10/1/1997         10         0         0         R           TN         475434         Knoxville, City of         10/1/1992         10/1/2019         6         20         10         C           TN         470070         Morristown, City of         10/1/1991         10/1/1993         10         0	TN	470150	Cookeville, City of	5/1/2014	5/1/2014	9	5	5	С
TN         470206         Franklin, City of         10/1/2015         10/1/2014         8         10         5         C           TN         475426         Gatlinburg, City of         10/1/1993         10/1/2021         9         5         5         C           TN         470059         Humboldt, City of         10/1/1994         10/1/2014         10         0         0         0         R           TN         475432         Johnson City, City of         10/1/1992         10/1/1997         10         0         0         0         R           TN         475433         Knox County         10/1/1992         10/1/2019         6         20         10         C           TN         475434         Knoxville, City of         10/1/1992         10/1/2019         6         20         10         C           TN         475434         Knoxville, City of         10/1/1992         10/1/2019         6         20         10         C           TN         470040         Nashville, City of         10/1/1991         10/1/2006         8         10         5         C           TN         470100         Ripley, Town of         10/1/1991         10/1/1997         10         <	TN	475425	Elizabethton, City of	10/1/1993	5/1/2020	8	10	5	С
TN         475426         Gatlinburg, City of         10/1/1993         10/1/2021         9         5         5         C           TN         470059         Humboldt, City of         10/1/1993         10/1/1996         10         0         0         R           TN         475432         Johnson City, City of         10/1/1992         10/1/1997         10         0         0         R           TN         475434         Kingsport, City of         10/1/1992         10/1/1997         10         0         0         R           TN         475433         Knox County         10/1/2002         5/1/2020         8         10         5         C           TN         475434         Knoxville, City of         10/1/1992         10/1/2019         6         20         10         C           TN         475043         Knoxville, City of         10/1/1992         10/1/1993         10         0         0         R           TN         470070         Morristown, City of         10/1/1991         10/1/2906         8         10         5         C           TN         470100         Ripley, Town of         10/1/1991         10/1/1997         10         0         0 <t< td=""><td>TN</td><td>470105</td><td>Fayetteville, City of</td><td>10/1/1992</td><td>10/1/1993</td><td>10</td><td>0</td><td>0</td><td>R</td></t<>	TN	470105	Fayetteville, City of	10/1/1992	10/1/1993	10	0	0	R
TN         470059         Humboldt, City of         10/1/1993         10/1/1996         10         0         0         R           TN         475432         Johnson City, City of         10/1/2014         10/1/2014         9         5         5         C           TN         470184         Kingsport, City of         10/1/1992         10/1/1997         10         0         0         R           TN         475433         Knox County         10/1/2002         5/1/2020         8         10         5         C           TN         475434         Knoxville, City of         10/1/1992         10/1/2019         6         20         10         C           TN         470070         Morristown, City of         10/1/1992         10/1/1993         10         0         0         R           TN         470040         Nashville, City of & Davidson County         10/1/1991         10/1/2006         8         10         5         C           TN         470100         Ripley, Town of         10/1/1991         10/1/1996         10         0         0         R           TN         470204         Williamson County         10/1/1991         10/1/1997         10         0         0	TN	470206	Franklin, City of	10/1/2015	10/1/2018	8	10	5	С
TN         475432         Johnson City, City of         10/1/2014         10/1/2014         9         5         5         C           TN         470184         Kingsport, City of         10/1/1992         10/1/1997         10         0         0         0         R           TN         475433         Knox County         10/1/2002         5/1/2020         8         10         5         C           TN         475434         Knoxville, City of         10/1/1992         10/1/2019         6         20         10         C           TN         470070         Morristown, City of         10/1/1992         10/1/1993         10         0         0         0         R           TN         470040         Nashville, City of & Davidson County         10/1/1991         10/1/2006         8         10         5         C           TN         470100         Ripley, Town of         10/1/1991         10/1/2006         8         10         0         0         R           TN         470380         Watertown, City of         10/1/1991         10/1/1997         10         0         0         0         R           TN         470204         Williamson County         10/1/2008	TN	475426	Gatlinburg, City of	10/1/1993	10/1/2021	9	5	5	С
TN         470184         Kingsport, City of         10/1/1992         10/1/1997         10         0         0         R           TN         475433         Knox County         10/1/2002         5/1/2020         8         10         5         C           TN         475434         Knoxville, City of         10/1/1992         10/1/2019         6         20         10         C           TN         470070         Morristown, City of         10/1/1992         10/1/1993         10         0         0         0         R           TN         470040         Nashville, City of & Davidson County         10/1/1991         10/1/2006         8         10         5         C           TN         470100         Ripley, Town of         10/1/1991         10/1/1996         10         0         0         R           TN         470380         Watertown, City of         5/1/2013         5/1/2013         9         5         5         C           TN         470204         Williamson County         10/1/2008         10/1/2015         8         10         5         C           TX         485454         Arlington, City of         10/1/2003         5/1/2013         5/1/2013	TN	470059	Humboldt, City of	10/1/1993	10/1/1996	10	0	0	R
TN         475433         Knox County         10/1/2002         5/1/2020         8         10         5         C           TN         475434         Knoxville, City of         10/1/1992         10/1/2019         6         20         10         C           TN         470070         Morristown, City of         10/1/1992         10/1/1993         10         0         0         0         R           TN         470040         Nashville, City of & Davidson County         10/1/1991         10/1/2006         8         10         5         C           TN         470100         Ripley, Town of         10/1/1991         10/1/1996         10         0         0         0         R           TN         470100         Ripley, Town of         10/1/1991         10/1/1997         10         0         0         0         R           TN         475448         Spring City, Town of         10/1/1992         10/1/1997         10         0         0         0         R           TN         470280         Watertown, City of         5/1/2013         5/1/2013         9         5         5         C           TN         470207         Wilson County         5/1/2013         5	TN	475432	Johnson City, City of	10/1/2014	10/1/2014	9	5	5	С
TN         475434         Knoxville, City of         10/1/1992         10/1/2019         6         20         10         C           TN         470070         Morristown, City of         10/1/1992         10/1/1993         10         0         0         0         R           TN         470040         Nashville, City of & Davidson County         10/1/1991         10/1/2006         8         10         5         C           TN         470100         Ripley, Town of         10/1/1991         10/1/1996         10         0         0         0         R           TN         475448         Spring City, Town of         10/1/1992         10/1/1997         10         0         0         0         R           TN         475488         Spring City, Town of         10/1/1992         10/1/1997         10         0         0         0         R           TN         475488         Spring City, Town of         10/1/1992         10/1/1997         10         0         0         0         R           TN         470380         Watertown, City of         5/1/2013         5/1/2013         9         5         5         5         C           TN         470207         Wilso	TN	470184	Kingsport, City of	10/1/1992	10/1/1997	10	0	0	R
TN         470070         Morristown, City of         10/1/1992         10/1/1993         10         0         0         R           TN         470040         Nashville, City of & Davidson County         10/1/1991         10/1/2006         8         10         5         C           TN         470100         Ripley, Town of         10/1/1991         10/1/1996         10         0         0         0         R           TN         475448         Spring City, Town of         10/1/1992         10/1/1997         10         0         0         0         R           TN         476380         Watertown, City of         5/1/2013         5/1/2013         9         5         5         C           TN         470204         Williamson County         10/1/2008         10/1/2015         8         10         5         C           TN         470207         Wilson County         5/1/2013         5/1/2013         9         5         5         C           TX         485454         Arlington, City of         10/1/1991         10/1/2021         5         25         10         C           TX         480624         Austin, City of         10/1/1991         5/1/2016         6	TN	475433	Knox County	10/1/2002	5/1/2020	8	10	5	С
TN         470040         Nashville, City of & Davidson County         10/1/1991         10/1/2006         8         10         5         C           TN         470100         Ripley, Town of         10/1/1991         10/1/1996         10         0         0         R           TN         475448         Spring City, Town of         10/1/1992         10/1/1997         10         0         0         0         R           TN         470380         Watertown, City of         5/1/2013         5/1/2013         9         5         5         C           TN         470204         Williamson County         10/1/2008         10/1/2015         8         10         5         C           TN         470207         Wilson County         5/1/2013         5/1/2013         9         5         5         C           TX         485454         Arlington, City of         10/1/1991         10/1/2021         5         25         10         C           TX         480624         Austin, City of         10/1/1991         5/1/2010         6         20         10         C           TX         48193         Bastrop County         10/1/2004         10/1/2004         8         10	TN	475434	Knoxville, City of	10/1/1992	10/1/2019	6	20	10	С
TN         470100         Ripley, Town of         10/1/1991         10/1/1996         10         0         0         R           TN         475448         Spring City, Town of         10/1/1992         10/1/1997         10         0         0         0         R           TN         470380         Watertown, City of         5/1/2013         5/1/2013         9         5         5         C           TN         470204         Williamson County         10/1/2008         10/1/2015         8         10         5         C           TN         470207         Wilson County         5/1/2013         5/1/2013         9         5         5         C           TX         485454         Arlington, City of         10/1/1991         10/1/2021         5         25         10         C           TX         480624         Austin, City of         10/1/1991         5/1/2010         6         20         10         C           TX         481193         Bastrop County         10/1/2004         10/1/2004         8         10         5         C           TX         485456         Baytown, City of         10/1/1991         5/1/2006         6         20         10	TN	470070	Morristown, City of	10/1/1992	10/1/1993	10	0	0	R
TN         475448         Spring City, Town of         10/1/1992         10/1/1997         10         0         0         R           TN         470380         Watertown, City of         5/1/2013         5/1/2013         9         5         5         C           TN         470204         Williamson County         10/1/2008         10/1/2015         8         10         5         C           TN         470207         Wilson County         5/1/2013         5/1/2013         9         5         5         C           TX         485454         Arlington, City of         10/1/1991         10/1/2021         5         25         10         C           TX         480624         Austin, City of         10/1/1991         5/1/2010         6         20         10         C           TX         481193         Bastrop County         10/1/2004         10/1/2004         8         10         5         C           TX         485456         Baytown, City of         10/1/1991         5/1/2006         6         20         10         C           TX         480289         Bellaire, City of         10/1/2008         10/1/2013         7         15         5         C	TN	470040	Nashville, City of & Davidson County	10/1/1991	10/1/2006	8	10	5	С
TN         470380         Watertown, City of         5/1/2013         5/1/2013         9         5         5         C           TN         470204         Williamson County         10/1/2008         10/1/2015         8         10         5         C           TN         470207         Wilson County         5/1/2013         5/1/2013         9         5         5         C           TX         485454         Arlington, City of         10/1/1991         10/1/2021         5         25         10         C           TX         480624         Austin, City of         10/1/1991         5/1/2010         6         20         10         C           TX         481193         Bastrop County         10/1/2004         10/1/2004         8         10         5         C           TX         485456         Baytown, City of         10/1/1991         5/1/2006         6         20         10         C           TX         485457         Beaumont, City of         10/1/2008         10/1/2013         7         15         5         C           TX         480289         Bellaire, City of         10/1/1993         10/1/2017         7         15         5         C </td <td>TN</td> <td>470100</td> <td>Ripley, Town of</td> <td>10/1/1991</td> <td>10/1/1996</td> <td>10</td> <td>0</td> <td>0</td> <td>R</td>	TN	470100	Ripley, Town of	10/1/1991	10/1/1996	10	0	0	R
TN         470204         Williamson County         10/1/2008         10/1/2015         8         10         5         C           TN         470207         Wilson County         5/1/2013         5/1/2013         9         5         5         C           TX         485454         Arlington, City of         10/1/1991         10/1/2021         5         25         10         C           TX         480624         Austin, City of         10/1/1991         5/1/2010         6         20         10         C           TX         481193         Bastrop County         10/1/2004         10/1/2004         8         10         5         C           TX         485456         Baytown, City of         10/1/1991         5/1/2006         6         20         10         C           TX         485457         Beaumont, City of         10/1/2008         10/1/2013         7         15         5         C           TX         480289         Bellaire, City of         10/1/1993         10/1/2021         10         0         0         R           TX         480586         Benbrook, City of         10/1/1991         10/1/2017         7         15         5         C	TN	475448	Spring City, Town of	10/1/1992	10/1/1997	10	0	0	R
TN         470207         Wilson County         5/1/2013         5/1/2013         9         5         5         C           TX         485454         Arlington, City of         10/1/1991         10/1/2021         5         25         10         C           TX         480624         Austin, City of         10/1/1991         5/1/2010         6         20         10         C           TX         481193         Bastrop County         10/1/2004         10/1/2004         8         10         5         C           TX         485456         Baytown, City of         10/1/1991         5/1/2006         6         20         10         C           TX         485457         Beaumont, City of         10/1/2008         10/1/2013         7         15         5         C           TX         480289         Bellaire, City of         10/1/1993         10/1/2017         7         15         5         C           TX         480586         Benbrook, City of         10/1/1991         10/1/2017         7         15         5         C	TN	470380	Watertown, City of	5/1/2013	5/1/2013	9	5	5	С
TX         485454         Arlington, City of         10/1/1991         10/1/2021         5         25         10         C           TX         480624         Austin, City of         10/1/1991         5/1/2010         6         20         10         C           TX         481193         Bastrop County         10/1/2004         10/1/2004         8         10         5         C           TX         485456         Baytown, City of         10/1/1991         5/1/2006         6         20         10         C           TX         485457         Beaumont, City of         10/1/2008         10/1/2013         7         15         5         C           TX         480289         Bellaire, City of         10/1/1993         10/1/2021         10         0         0         R           TX         480586         Benbrook, City of         10/1/1991         10/1/2017         7         15         5         C	TN	470204	Williamson County	10/1/2008	10/1/2015	8	10	5	С
TX       480624       Austin, City of       10/1/1991       5/1/2010       6       20       10       C         TX       481193       Bastrop County       10/1/2004       10/1/2004       8       10       5       C         TX       485456       Baytown, City of       10/1/1991       5/1/2006       6       20       10       C         TX       485457       Beaumont, City of       10/1/2008       10/1/2013       7       15       5       C         TX       480289       Bellaire, City of       10/1/1993       10/1/2021       10       0       0       R         TX       480586       Benbrook, City of       10/1/1991       10/1/2017       7       15       5       C	TN	470207	Wilson County	5/1/2013	5/1/2013	9	5	5	С
TX       481193       Bastrop County       10/1/2004       10/1/2004       8       10       5       C         TX       485456       Baytown, City of       10/1/1991       5/1/2006       6       20       10       C         TX       485457       Beaumont, City of       10/1/2008       10/1/2013       7       15       5       C         TX       480289       Bellaire, City of       10/1/1993       10/1/2021       10       0       0       R         TX       480586       Benbrook, City of       10/1/1991       10/1/2017       7       15       5       C	TX	485454	Arlington, City of	10/1/1991	10/1/2021	5	25	10	С
TX       485456       Baytown, City of       10/1/1991       5/1/2006       6       20       10       C         TX       485457       Beaumont, City of       10/1/2008       10/1/2013       7       15       5       C         TX       480289       Bellaire, City of       10/1/1993       10/1/2021       10       0       0       R         TX       480586       Benbrook, City of       10/1/1991       10/1/2017       7       15       5       C	TX	480624	Austin, City of	10/1/1991	5/1/2010	6	20	10	С
TX     485457     Beaumont, City of     10/1/2008     10/1/2013     7     15     5     C       TX     480289     Bellaire, City of     10/1/1993     10/1/2021     10     0     0     R       TX     480586     Benbrook, City of     10/1/1991     10/1/2017     7     15     5     C	TX	481193	Bastrop County	10/1/2004	10/1/2004	8	10	5	С
TX     480289     Bellaire, City of     10/1/1993     10/1/2021     10     0     0     R       TX     480586     Benbrook, City of     10/1/1991     10/1/2017     7     15     5     C	TX	485456	Baytown, City of	10/1/1991	5/1/2006	6	20	10	С
TX 480586 Benbrook, City of 10/1/1991 10/1/2017 7 15 5 C	TX	485457	Beaumont, City of	10/1/2008	10/1/2013	7	15	5	С
	TX	480289	Bellaire, City of	10/1/1993	10/1/2021	10	0	0	R
TV 400070 Paul Oaks City of 5 1/2000 40/4/2000 0 40	TX	480586	Benbrook, City of	10/1/1991	10/1/2017	7	15	5	С
1X 480878 BEVII Oaks, City of 5/1/2010 10/1/2020 8 10 5 C	TX	480878	Bevil Oaks, City of	5/1/2010	10/1/2020	8	10	5	С

### COMMUNITY RATING SYSTEM ELIGIBLE COMMUNITIES

EFFECTIVE October 1, 2021

State   Community Number   Community Name   CRS Entry Date   Date   Current Class   SFHA   Non-SFHA   Status*									
TX					Current Effective		% Discount for	% Discount for	
TX	State	Community Number	Community Name	CRS Entry Date	Date	Current Class	SFHA	Non- SFHA	Status*
TX	TX	480082	Bryan, City of	10/1/1995	5/1/2019	8	10	5	С
TX	TX	485459	Burleson, City of	10/1/1991	10/1/2021	10	0	0	R
TX	TX	481209	Burnet County	5/1/2014	4/1/2021	10	0	0	R
TX	TX	480167	Carrollton, City of	10/1/1991	10/1/2012	6	20	10	С
TX         480H24         Conroe, City of         10/1/1992         5/1/2002         7         15         5         C           TX         480170         Copell, City of         10/1/1993         5/1/2016         8         10         5         C           TX         480155         Copperas Cove, City of         5/1/2018         5/1/2011         8         10         5         C           TX         480171         Dalas, City of         10/1/1991         10/1/2017         7         15         5         C           TX         480191         Deer Park, City of         10/1/2000         5/1/2017         7         15         5         C           TX         480191         Deer Park, City of         10/1/2091         10/1/2093         8         10         5         C           TX         480194         Denton, City of         10/1/1992         10/1/1993         10         0         0         R           TX         480740         Denton County         10/1/1991         10/1/2012         8         10         5         C           TX         480173         Durasmille, City of         10/1/1991         10/1/2017         8         10         5         C	TX	485462	Cleburne, City of	10/1/1992	5/1/2013	8	10	5	С
TX	TX	480083	College Station, City of	5/1/2010	4/1/2021	6	20	10	С
TX	TX	480484	Conroe, City of	10/1/1992	5/1/2002	7	15	5	С
TX         485464         Corpus Christi, City of         10/1/1991         10/1/2021         8         10         5         C           TX         480171         Dallas, City of         10/1/1991         5/1/2017         7         15         5         C           TX         480194         Denton, City of         10/1/1991         10/1/2018         8         10         5         C           TX         480194         Denton, County         10/1/1992         10/1/1993         10         0         0         0         8           TX         480774         Denton, County         10/1/1991         10/1/1993         10         0         0         0         8           TX         481569         Dickinson, City of         10/1/1991         10/1/2012         8         10         5         C           TX         480173         Duraaville, City of         10/1/1991         10/1/2019         9         5         5         C           TX         480173         Duraaville, City of         10/1/1991         10/1/2019         8         10         5         C           TX         480173         Derivation, City of         10/1/2019         10/1/2019         8	TX	480170	Coppell, City of	10/1/1993	5/1/2016	8	10	5	С
TX	TX	480155	Copperas Cove, City of	5/1/2018	5/1/2018	8	10	5	С
TX         480191         Deer Park, City of         10/1/2000         5/1/2017         7         15         5         C           TX         480194         Denton, City of         10/1/1991         10/1/2018         8         10         5         C           TX         480774         Denton County         10/1/2012         10/1/2019         10         0         0         R           TX         481569         Dickinson, City of         10/1/2019         10/1/2017         8         10         5         C           TX         480173         Duncanville, City of         10/1/1991         10/1/2017         8         10         5         C           TX         480174         El Paso, City of         10/1/1991         10/1/2019         9         5         5         C           TX         480777         Flower Mound, City of         10/1/2019         10/1/2012         10/1/2019         8         10         5         NA           TX         485668         Fort Worth, City of         10/1/2012         10/1/2012         8         10         5         C           TX         485471         Garland, City of         10/1/1/2012         10/1/2019         6         20	TX	485464	Corpus Christi, City of	10/1/1991	10/1/2021	8	10	5	С
TX         480194         Denton County         10/1/1991         10/1/2018         8         10         5         C           TX         480774         Denton County         10/1/1992         10/1/1993         10         0         0         0         R           TX         481569         Dickinson, City of         10/1/1991         10/1/2012         8         10         5         C           TX         480173         Duncarville, City of         10/1/1991         10/1/2019         8         10         5         C           TX         480777         Flower Mound, City of         10/1/2019         10/1/2019         8         10         5         NA           TX         485468         Friendswood, City of         10/1/2019         10/1/2012         6         20         10         C           TX         485469         Galveston, City of         10/1/1991         10/1/2012         8         10         5         C           TX         485471         Grand Prairie, City of         10/1/1991         5/1/2019         6         20         10         C           TX         485472         Grand Prairie, City of         10/1/1991         5/1/2012         5         25 <td>TX</td> <td>480171</td> <td>Dallas, City of</td> <td>10/1/1991</td> <td>5/1/2011</td> <td>5</td> <td>25</td> <td>10</td> <td>С</td>	TX	480171	Dallas, City of	10/1/1991	5/1/2011	5	25	10	С
TX         480774         Denton County         10/1/1992         10/1/1993         10         0         0         R           TX         481569         Dickinson, City of         10/1/2012         10/1/2017         8         10         5         C           TX         480173         Duncanville, City of         10/1/1991         10/1/2017         8         10         5         C           TX         480174         El Paso, City of         10/1/2019         10/1/2019         9         5         5         C           TX         480777         Flower Mound, City of         10/1/2019         10/1/2012         8         10         5         NA           TX         485468         Friendswood, City of         10/1/2012         10/1/2012         8         10         5         C           TX         485469         Galveston, City of         10/1/2012         10/1/2012         8         10         5         C           TX         485469         Galveston, City of         10/1/1991         10/1/2019         7         15         5         C           TX         485469         Galveston, City of         10/1/1991         10/1/2012         5         25         10	TX	480291	Deer Park, City of	10/1/2000	5/1/2017	7	15	5	С
TX         481569         Dickinson, City of         10/1/2012         10/1/2012         8         10         5         C           TX         480173         Duncanville, City of         10/1/1991         10/1/2017         8         10         5         C           TX         480214         El Paso, City of         10/1/1991         10/1/1991         9         5         5         C           TX         480777         Flower Mound, City of         10/1/2019         10/1/2019         8         10         5         NA           TX         485468         Friendswood, City of         10/1/1991         10/1/2012         8         10         5         C           TX         485469         Galvestno, City of         10/1/2012         10/1/2012         8         10         5         C           TX         485471         Garland, City of         10/1/1991         10/1/1997         7         15         5         C           TX         485472         Grand Prairie, City of         10/1/1991         10/1/2012         5/1/2002         8         10         5         C           TX         480266         Guadaluge County         5/1/2009         5/1/2008         8         1	TX	480194	Denton, City of	10/1/1991	10/1/2018	8	10	5	С
TX         48013         Duncanville, City of         10/1/1991         10/1/2017         8         10         5         C           TX         480214         El Paso, City of         10/1/1991         10/1/1991         9         5         5         C           TX         480777         Flower Mound, City of         10/1/2019         10/1/2019         8         10         5         NA           TX         480596         Fort Worth, City of         10/1/2012         10/1/2012         8         10         5         C           TX         485469         Galveston, City of         5/1/2014         5/1/2019         6         20         10         C           TX         485469         Galveston, City of         10/1/1991         10/1/1997         7         15         5         C           TX         485471         Gardal Prairie, City of         10/1/1991         5/1/2012         5         25         10         C           TX         480566         Guadalupe County         5/1/2009         5/1/2009         8         10         5         C           TX         480266         Haltom City, City of         10/1/2012         10/1/2018         8         10         5 <td>TX</td> <td>480774</td> <td>Denton County</td> <td>10/1/1992</td> <td>10/1/1993</td> <td>10</td> <td>0</td> <td>0</td> <td>R</td>	TX	480774	Denton County	10/1/1992	10/1/1993	10	0	0	R
TX         480214         El Paso, City of         10/1/1991         10/1/2019         9         5         5         C           TX         480777         Flower Mound, City of         10/1/2019         10/1/2019         8         10         5         NA           TX         485468         Friendswood, City of         10/1/2012         10/1/2012         8         10         5         C           TX         485469         Galveston, City of         5/1/2014         5/1/2019         6         20         10         C           TX         485471         Garland, City of         10/1/1991         10/1/1997         7         15         5         C           TX         485472         Grand Prairie, City of         10/1/1991         5/1/2002         5         25         10         C           TX         480266         Guadalupe County         5/1/2009         5/1/2009         8         10         5         C           TX         480259         Halton City, City of         10/1/2012         10/1/2014         7         15         5         C           TX         480269         Have Scouth         5/1/2002         10/1/2014         7         15         5         <	TX	481569	Dickinson, City of	10/1/2012	10/1/2012	8	10	5	С
TX         480777         Flower Mound, City of         10/1/2019         10/1/2019         8         10         5         NA           TX         485468         Friendswood, City of         10/1/2012         10/1/2012         6         20         10         C           TX         485469         Galveston, City of         5/1/2014         5/1/2019         6         20         10         C           TX         485471         Garland, City of         10/1/1991         10/1/1997         7         15         5         C           TX         485472         Garal Prairie, City of         10/1/1991         5/1/2012         5         25         10         C           TX         485472         Grand Prairie, City of         10/1/1991         5/1/2009         8         10         5         C           TX         480266         Guadalupe County         5/1/2009         5/1/2009         8         10         5         C           TX         480266         Haitom City, City of         10/1/2012         10/1/2018         8         10         5         C           TX         480287         Harris County         5/1/2002         10/1/2014         7         15         5	TX	480173	Duncanville, City of	10/1/1991	10/1/2017	8	10	5	С
TX         485468         Friendswood, City of         10/1/1991         10/1/2021         6         20         10         C           TX         480596         Fort Worth, City of         10/1/2012         10/1/2012         8         10         5         C           TX         485491         Galveston, City of         5/1/2014         5/1/2019         6         20         10         C           TX         485471         Garland, City of         10/1/1991         10/1/1997         7         15         5         C           TX         485472         Grand Prairie, City of         10/1/1991         5/1/2002         5         25         10         C           TX         480666         Guadalupe County         5/1/2009         5/1/2009         8         10         5         C           TX         480599         Haltom City, City of         10/1/2018         8         10         5         C           TX         480287         Harris County         5/1/2004         10/1/2014         7         15         5         C           TX         480281         Houston, City of         5/1/2002         10/1/2017         8         10         5         C <tr< td=""><td>TX</td><td>480214</td><td>El Paso, City of</td><td>10/1/1991</td><td>10/1/1991</td><td>9</td><td>5</td><td>5</td><td>С</td></tr<>	TX	480214	El Paso, City of	10/1/1991	10/1/1991	9	5	5	С
TX         480596         Fort Worth, City of         10/1/2012         10/1/2012         10/1/2012         8         10         5         C           TX         485469         Galveston, City of         5/1/2014         5/1/2019         6         20         10         C           TX         485471         Garland, City of         10/1/1991         5/1/2012         5         25         10         C           TX         4805472         Grand Prairie, City of         10/1/1991         5/1/2009         5/1/2002         5         25         10         C           TX         480566         Guadalupe County         5/1/2009         5/1/2009         8         10         5         C           TX         480287         Haltom City, City of         10/1/2012         10/1/2018         8         10         5         C           TX         480287         Harris County         5/1/2002         10/1/2014         7         15         5         C           TX         480296         Houston, City of         5/1/2002         10/1/2009         5         25         10         C           TX         480601         Hurst, City of         10/1/2018         10/1/2018         8	TX	480777	Flower Mound, City of	10/1/2019	10/1/2019	8	10	5	NA
TX         485469         Galveston, City of         5/1/2014         5/1/2019         6         20         10         C           TX         485471         Garland, City of         10/1/1991         10/1/1997         7         15         5         C           TX         485472         Grand Prairie, City of         10/1/1991         5/1/2002         5         25         10         C           TX         480266         Guadalupe County         5/1/2009         5/1/2009         8         10         5         C           TX         480599         Haltom City, City of         10/1/2012         10/1/2018         8         10         5         C           TX         480287         Harris County         5/1/2004         10/1/2009         5         25         10         C           TX         480287         Houston, City of         5/1/2004         10/1/2009         5         25         10         C           TX         480601         Hurst, City of         10/1/1992         10/1/2017         8         10         5         C           TX         481271         Jamaica Beach, City of         10/1/2018         10/1/2018         8         10         5 <td< td=""><td>TX</td><td>485468</td><td>Friendswood, City of</td><td>10/1/1991</td><td>10/1/2021</td><td>6</td><td>20</td><td>10</td><td>С</td></td<>	TX	485468	Friendswood, City of	10/1/1991	10/1/2021	6	20	10	С
TX         485471         Garland, City of         10/1/1991         10/1/1997         7         15         5         C           TX         485472         Grand Prairie, City of         10/1/1991         5/1/2012         5         25         10         C           TX         480266         Guadalupe County         5/1/2009         5/1/2009         8         10         5         C           TX         480287         Haltom City, City of         10/1/2004         10/1/2014         7         15         5         C           TX         480287         Harris County         5/1/2004         10/1/2014         7         15         5         C           TX         480286         Houston, City of         5/1/2002         10/1/2009         5         25         10         C           TX         480601         Hurst, City of         10/1/1992         10/1/2017         8         10         5         C           TX         480701         Jamaica Beach, City of         10/1/1908         10/1/2018         8         10         5         C           TX         480300         Jersey Village, City of         5/1/2020         5/1/2015         8         10         5	TX	480596	Fort Worth, City of	10/1/2012	10/1/2012	8	10	5	С
TX         485472         Grand Prairie, City of         10/1/1991         5/1/2012         5         25         10         C           TX         480266         Guadalupe County         5/1/2009         5/1/2009         8         10         5         C           TX         480599         Haltom City, City of         10/1/2012         10/1/2014         7         15         5         C           TX         480287         Harris County         5/1/2002         10/1/2018         7         15         5         C           TX         480296         Houston, City of         5/1/2002         10/1/2017         8         10         5         C           TX         480601         Hurst, City of         10/1/1992         10/1/2017         8         10         5         C           TX         480601         Hurst, City of         10/1/2018         10/1/2018         8         10         5         C           TX         481271         Jamaica Beach, City of         10/1/2020         5/1/2020         7         15         5         NA           TX         485481         Kemah, City of         10/1/1992         5/1/2020         7         15         5         C	TX	485469	Galveston, City of	5/1/2014	5/1/2019	6	20	10	С
TX         480266         Guadalupe County         5/1/2009         5/1/2009         8         10         5         C           TX         480599         Haltom City, City of         10/1/2012         10/1/2018         8         10         5         C           TX         480287         Harris County         5/1/2004         10/1/2014         7         15         5         C           TX         480296         Houston, City of         5/1/2002         10/1/2019         5         25         10         C           TX         480601         Hurst, City of         10/1/1992         10/1/2017         8         10         5         C           TX         481271         Jamaica Beach, City of         10/1/2018         10/1/2018         8         10         5         C           TX         480300         Jersey Village, City of         5/1/2020         5/1/2020         7         15         5         NA           TX         485481         Kemah, City of         10/1/1992         5/1/2020         7         15         5         C           TX         485488         League City, City of         10/1/1992         4/1/2021         5         25         10	TX	485471	Garland, City of	10/1/1991	10/1/1997	7	15	5	С
TX         480599         Haltom City, City of         10/1/2012         10/1/2018         8         10         5         C           TX         480287         Harris County         5/1/2004         10/1/2014         7         15         5         C           TX         480296         Houston, City of         5/1/2002         10/1/2009         5         25         10         C           TX         480601         Hurst, City of         10/1/1992         10/1/2018         8         10         5         C           TX         481271         Jamaica Beach, City of         10/1/2018         10/1/2018         8         10         5         C           TX         480300         Jersey Village, City of         5/1/2020         5/1/2020         7         15         5         NA           TX         485481         Kemah, City of         10/1/1992         5/1/2015         8         10         5         C           TX         485487         LaPorte, City of         10/1/1999         10/1/2013         7         15         5         C           TX         485488         League City, City of         10/1/1992         4/1/2021         5         25         10 <t< td=""><td>TX</td><td>485472</td><td>Grand Prairie, City of</td><td>10/1/1991</td><td>5/1/2012</td><td>5</td><td>25</td><td>10</td><td>С</td></t<>	TX	485472	Grand Prairie, City of	10/1/1991	5/1/2012	5	25	10	С
TX         480287         Harris County         5/1/2004         10/1/2014         7         15         5         C           TX         480296         Houston, City of         5/1/2002         10/1/2009         5         25         10         C           TX         480601         Hurst, City of         10/1/1992         10/1/2017         8         10         5         C           TX         481271         Jamaica Beach, City of         10/1/2018         10/1/2018         8         10         5         C           TX         480300         Jersey Village, City of         5/1/2020         5/1/2020         7         15         5         NA           TX         485481         Kemah, City of         10/1/1992         5/1/2015         8         10         5         C           TX         485487         LaPorte, City of         10/1/1999         10/1/2013         7         15         5         C           TX         485488         League City, City of         10/1/1992         4/1/2021         5         25         10         M           TX         480492         Leon Valley, City of         10/1/1991         10/1/2017         7         15         5 <t< td=""><td>TX</td><td>480266</td><td>Guadalupe County</td><td>5/1/2009</td><td>5/1/2009</td><td>8</td><td>10</td><td>5</td><td>С</td></t<>	TX	480266	Guadalupe County	5/1/2009	5/1/2009	8	10	5	С
TX         480296         Houston, City of         5/1/2002         10/1/2009         5         25         10         C           TX         480601         Hurst, City of         10/1/1992         10/1/2017         8         10         5         C           TX         481271         Jamaica Beach, City of         10/1/2018         10/1/2018         8         10         5         C           TX         480300         Jersey Village, City of         5/1/2020         5/1/2020         7         15         5         NA           TX         485481         Kemah, City of         10/1/1992         5/1/2015         8         10         5         C           TX         485487         LaPorte, City of         10/1/1992         10/1/2013         7         15         5         C           TX         485488         League City, City of         10/1/1992         4/1/2021         5         25         10         M           TX         480422         Leon Valley, City of         10/1/2017         10/1/2017         7         15         5         5         C           TX         480433         Live Oak, City of         5/1/2010         5/1/2010         7         15	TX	480599	Haltom City, City of	10/1/2012	10/1/2018	8	10	5	С
TX         480601         Hurst, City of         10/1/1992         10/1/2017         8         10         5         C           TX         481271         Jamaica Beach, City of         10/1/2018         10/1/2018         8         10         5         C           TX         480300         Jersey Village, City of         5/1/2020         5/1/2020         7         15         5         NA           TX         485481         Kemah, City of         10/1/1992         5/1/2015         8         10         5         C           TX         485487         LaPorte, City of         10/1/1999         10/1/2013         7         15         5         C           TX         485488         League City, City of         10/1/1992         4/1/2021         5         25         10         M           TX         480428         Leon Valley, City of         10/1/2017         10/1/2017         7         15         5         C           TX         480195         Lewisville, City of         10/1/1991         10/1/2017         9         5         5         5         C           TX         48043         Live Oak, City of         5/1/2010         5/1/2010         7         15	TX	480287	Harris County	5/1/2004	10/1/2014	7	15	5	С
TX         481271         Jamaica Beach, City of         10/1/2018         10/1/2018         8         10         5         C           TX         480300         Jersey Village, City of         5/1/2020         5/1/2020         7         15         5         NA           TX         485481         Kemah, City of         10/1/1992         5/1/2015         8         10         5         C           TX         485487         LaPorte, City of         10/1/1992         4/1/2021         5         25         10         M           TX         485488         League City, City of         10/1/1992         4/1/2021         5         25         10         M           TX         480042         Leon Valley, City of         10/1/2017         10/1/2017         7         15         5         C           TX         480195         Lewisville, City of         10/1/1991         10/1/2017         9         5         5         5         C           TX         480433         Live Oak, City of         5/1/2010         5/1/2010         7         15         5         C           TX         480452         Lubbock, City of         10/1/1992         10/1/1994         8         10	TX	480296	Houston, City of	5/1/2002	10/1/2009	5	25	10	С
TX         480300         Jersey Village, City of         5/1/2020         5/1/2020         7         15         5         NA           TX         485481         Kemah, City of         10/1/1992         5/1/2015         8         10         5         C           TX         485487         LaPorte, City of         10/1/1999         10/1/2013         7         15         5         C           TX         485488         League City, City of         10/1/1992         4/1/2021         5         25         10         M           TX         480042         Leon Valley, City of         10/1/2017         10/1/2017         7         15         5         C           TX         480195         Lewisville, City of         10/1/1991         10/1/2017         9         5         5         C           TX         480433         Live Oak, City of         10/1/1992         5/1/2010         7         15         5         C           TX         480452         Lubbock, City of         10/1/1992         5/1/2014         7         15         5         C           TX         480477         Midland, City of         10/1/1992         10/1/1994         8         10         5         <	TX	480601	Hurst, City of	10/1/1992	10/1/2017	8	10	5	С
TX         485481         Kemah, City of         10/1/1992         5/1/2015         8         10         5         C           TX         485487         LaPorte, City of         10/1/1999         10/1/2013         7         15         5         C           TX         485488         League City, City of         10/1/1992         4/1/2021         5         25         10         M           TX         480042         Leon Valley, City of         10/1/2017         10/1/2017         7         15         5         C           TX         480195         Lewisville, City of         10/1/1991         10/1/2017         9         5         5         C           TX         480043         Live Oak, City of         5/1/2010         5/1/2010         7         15         5         C           TX         480452         Lubbock, City of         10/1/1992         5/1/2014         7         15         5         C           TX         480477         Midland, City of         10/1/1992         10/1/1994         8         10         5         C           TX         480491         Nassau Bay, City of         10/1/1992         5/1/2010         7         15         5         C<	TX	481271	Jamaica Beach, City of	10/1/2018	10/1/2018	8	10	5	С
TX         485487         LaPorte, City of         10/1/1999         10/1/2013         7         15         5         C           TX         485488         League City, City of         10/1/1992         4/1/2021         5         25         10         M           TX         480042         Leon Valley, City of         10/1/2017         10/1/2017         7         15         5         C           TX         480195         Lewisville, City of         10/1/1991         10/1/2017         9         5         5         5         C           TX         480043         Live Oak, City of         5/1/2010         5/1/2010         7         15         5         C           TX         480452         Lubbock, City of         10/1/1992         5/1/2014         7         15         5         C           TX         480477         Midland, City of         10/1/1992         10/1/1994         8         10         5         C           TX         485491         Nassau Bay, City of         10/1/1992         5/1/2019         7         15         5         C           TX         485493         New Braunfels, City of         10/1/2013         5/1/2019         8         10	TX	480300	Jersey Village, City of	5/1/2020	5/1/2020	7	15	5	NA
TX         485488         League City, City of         10/1/1992         4/1/2021         5         25         10         M           TX         480042         Leon Valley, City of         10/1/2017         10/1/2017         7         15         5         C           TX         480195         Lewisville, City of         10/1/1991         10/1/2017         9         5         5         5         C           TX         480043         Live Oak, City of         5/1/2010         5/1/2010         7         15         5         C           TX         480452         Lubbock, City of         10/1/1992         5/1/2014         7         15         5         C           TX         480477         Midland, City of         10/1/1992         10/1/1994         8         10         5         C           TX         480304         Missouri City, City of         5/1/2010         5/1/2010         7         15         5         C           TX         485491         Nassau Bay, City of         10/1/1992         5/1/2019         8         10         5         C           TX         480607         North Richland Hills, City of         10/1/1991         10/1/2016         7         15	TX	485481	Kemah, City of	10/1/1992	5/1/2015	8	10	5	С
TX       480042       Leon Valley, City of       10/1/2017       10/1/2017       7       15       5       C         TX       480195       Lewisville, City of       10/1/1991       10/1/2017       9       5       5       C         TX       480043       Live Oak, City of       5/1/2010       5/1/2010       7       15       5       C         TX       480452       Lubbock, City of       10/1/1992       5/1/2014       7       15       5       C         TX       480477       Midland, City of       10/1/1992       10/1/1994       8       10       5       C         TX       480304       Missouri City, City of       5/1/2010       5/1/2010       7       15       5       C         TX       485491       Nassau Bay, City of       10/1/1992       5/1/2009       7       15       5       C         TX       485493       New Braunfels, City of       10/1/2013       5/1/2019       8       10       5       C         TX       480607       North Richland Hills, City of       10/1/1991       10/1/2016       7       15       5       C	TX	485487	LaPorte, City of	10/1/1999	10/1/2013	7	15	5	С
TX       480195       Lewisville, City of       10/1/1991       10/1/2017       9       5       5       C         TX       480043       Live Oak, City of       5/1/2010       5/1/2010       7       15       5       C         TX       480452       Lubbock, City of       10/1/1992       5/1/2014       7       15       5       C         TX       480477       Midland, City of       10/1/1992       10/1/1994       8       10       5       C         TX       480304       Missouri City, City of       5/1/2010       5/1/2010       7       15       5       C         TX       485491       Nassau Bay, City of       10/1/1992       5/1/2009       7       15       5       C         TX       485493       New Braunfels, City of       10/1/2013       5/1/2019       8       10       5       C         TX       480607       North Richland Hills, City of       10/1/1991       10/1/2016       7       15       5       C	TX	485488	League City, City of	10/1/1992	4/1/2021	5	25	10	M
TX       480043       Live Oak, City of       5/1/2010       5/1/2010       7       15       5       C         TX       480452       Lubbock, City of       10/1/1992       5/1/2014       7       15       5       C         TX       480477       Midland, City of       10/1/1992       10/1/1994       8       10       5       C         TX       480304       Missouri City, City of       5/1/2010       5/1/2010       7       15       5       C         TX       485491       Nassau Bay, City of       10/1/1992       5/1/2019       7       15       5       C         TX       485493       New Braunfels, City of       10/1/2013       5/1/2019       8       10       5       C         TX       480607       North Richland Hills, City of       10/1/1991       10/1/2016       7       15       5       C	TX	480042	Leon Valley, City of	10/1/2017	10/1/2017	7	15	5	С
TX       480452       Lubbock, City of       10/1/1992       5/1/2014       7       15       5       C         TX       480477       Midland, City of       10/1/1992       10/1/1994       8       10       5       C         TX       480304       Missouri City, City of       5/1/2010       5/1/2010       7       15       5       C         TX       485491       Nassau Bay, City of       10/1/1992       5/1/2019       7       15       5       C         TX       485493       New Braunfels, City of       10/1/2013       5/1/2019       8       10       5       C         TX       480607       North Richland Hills, City of       10/1/1991       10/1/2016       7       15       5       C	TX	480195	Lewisville, City of	10/1/1991	10/1/2017	9	5	5	С
TX       480477       Midland, City of       10/1/1992       10/1/1994       8       10       5       C         TX       480304       Missouri City, City of       5/1/2010       5/1/2010       7       15       5       C         TX       485491       Nassau Bay, City of       10/1/1992       5/1/2009       7       15       5       C         TX       485493       New Braunfels, City of       10/1/2013       5/1/2019       8       10       5       C         TX       480607       North Richland Hills, City of       10/1/1991       10/1/2016       7       15       5       C	TX	480043	Live Oak, City of	5/1/2010	5/1/2010	7	15	5	С
TX       480304       Missouri City, City of       5/1/2010       5/1/2010       7       15       5       C         TX       485491       Nassau Bay, City of       10/1/1992       5/1/2009       7       15       5       C         TX       485493       New Braunfels, City of       10/1/2013       5/1/2019       8       10       5       C         TX       480607       North Richland Hills, City of       10/1/1991       10/1/2016       7       15       5       C	TX		•	10/1/1992	5/1/2014	7	15	5	С
TX       485491       Nassau Bay, City of       10/1/1992       5/1/2009       7       15       5       C         TX       485493       New Braunfels, City of       10/1/2013       5/1/2019       8       10       5       C         TX       480607       North Richland Hills, City of       10/1/1991       10/1/2016       7       15       5       C	TX	480477	Midland, City of	10/1/1992	10/1/1994	8	10	5	С
TX       485493       New Braunfels, City of       10/1/2013       5/1/2019       8       10       5       C         TX       480607       North Richland Hills, City of       10/1/1991       10/1/2016       7       15       5       C	TX	480304	Missouri City, City of	5/1/2010	5/1/2010	7	15	5	С
TX 480607 North Richland Hills, City of 10/1/1991 10/1/2016 7 15 5 C	TX	485491	Nassau Bay, City of	10/1/1992	5/1/2009	7	15	5	С
	TX	485493	New Braunfels, City of	10/1/2013	5/1/2019	8	10	5	С
TX 480206 Odessa, City of 10/1/1992 10/1/2020 8 10 5 C	TX	480607	North Richland Hills, City of	10/1/1991	10/1/2016	7	15	5	С
	TX	480206	Odessa, City of	10/1/1992	10/1/2020	8	10	5	С

### COMMUNITY RATING SYSTEM ELIGIBLE COMMUNITIES

EFFECTIVE October 1, 2021

				Current Effective		% Discount for	% Discount for	
State	Community Number		CRS Entry Date	Date	Current Class	SFHA	Non- SFHA	Status*
TX	480307	Pasadena, City of	10/1/1991	5/1/2019	8	10	5	С
TX	480077	Pearland, City of	5/1/2005	5/1/2014	6	20	10	С
TX	481028	Pflugerville, City of	5/1/2011	4/1/2021	7	15	5	С
TX	480140	Plano, City of	10/1/1992	5/1/2018	8	10	5	С
TX	485499	Port Arthur, City of	10/1/1991	10/1/1991	9	5	5	С
TX	480184	Richardson, City of	10/1/1991	10/1/2018	8	10	5	С
TX	480608	Richland Hills, City of	5/1/2014	5/1/2014	8	10	5	С
TX	485504	Rockport, City of	10/1/2019	10/1/2019	7	15	5	NA
TX	485505	San Marcos, City of	10/1/1992	10/1/2002	7	15	5	С
TX	485507	Seabrook, City of	10/1/2002	10/1/2011	7	15	5	С
TX	485510	Shoreacres, City of	5/1/2014	5/1/2020	8	10	5	С
TX	480234	Sugar Land, City of	5/1/2010	5/1/2010	7	15	5	С
TX	481127	Sunset Valley, City of	5/1/2010	10/1/2016	7	15	5	С
TX	480502	Sweetwater, City of	10/1/1991	5/1/2008	9	5	5	С
TX	485513	Taylor Lake Village, City of	5/1/2014	5/1/2014	8	10	5	С
TX	481585	Tiki Island, Village of	10/1/2001	10/1/2017	7	15	5	С
TX	480318	West University Place, City of	10/1/2019	10/1/2019	7	15	5	NA
TX	480654	Wharton, City of	10/1/2011	10/1/2016	9	5	5	С
TX	480662	Wichita Falls, City of	10/1/1991	10/1/2007	8	10	5	С
UT	490039	Bountiful, City of	10/1/1991	10/1/1991	9	5	5	С
UT	490074	Cedar City, City of	10/1/1994	10/1/1996	10	0	0	R
UT	490040	Centerville, City of	5/1/2002	10/1/2018	10	0	0	R
UT	490019	Logan, City of	10/1/1993	10/1/2019	7	15	5	С
UT	490072	Moab, City of	5/1/2001	10/1/2011	9	5	5	С
UT	490214	North Ogden, City of	10/1/1993	5/1/2019	10	0	0	С
UT	490216	Orem, City of	10/1/1993	5/1/2008	7	15	5	С
UT	490159	Provo, City of	10/1/1991	10/1/1996	8	10	5	С
UT	490178	Santa Clara, City of	10/1/1995	10/1/2018	8	10	5	С
UT	490177	St. George, City of	10/1/1994	10/1/2021	8	10	5	С
UT	490187	Weber County	10/1/2015	10/1/2015	9	5	5	С
UT	490052	West Bountiful, City of	10/1/1996	10/1/2021	10	0	0	R
VT	500013	Bennington, Town of	10/1/1993	10/1/1993	9	5	5	С
VT	500106	Berlin, Town of	5/1/2017	5/1/2017	9	5	5	С
VT	500126	Brattleboro, Town of	10/1/1991	10/1/2017	8	10	5	С
VT	500033	Colchester, Town of	5/1/2016	5/1/2016	8	10	5	С
VT	505518	Montpelier, City of	10/1/1998	5/1/2020	8	10	5	С
VT		Waterbury, Town of	10/1/2016	4/1/2021	8	10	5	С
VT	500122	Waterbury, Village of	10/1/2016	4/1/2021	10	0	0	R
VA		Accomack County	10/1/1992	5/1/2018	6	20	10	С
VA	515519	Alexandria, City of	10/1/1992	10/1/2013	6	20	10	С
VA	515520	Arlington County	10/1/1992	10/1/2008	8	10	5	С
VA	510075	Ashland, Town of	10/1/2016	10/1/2016	9	5	5	С
VA	510134	Bridgewater, Town of	10/1/1996	5/1/2006	8	10	5	C
• , .	310131		10, 1, 1000	2, 1, 2000	J	10	3	·

		eived via Survey Mo		= Yellow Highlight				
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above			Ì	CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
Abernathy		1	000. 0 0	0001 0000	City of Lubbock provides technical assistance		0 0 0 0	
toomatry	+	<u>'</u>			Only of Edibbook provided toormour decistance		+	
					(1) Developer must conduct a study and determine BFE and			
					floodway boundary in Zone A (2) In Zone X, new construction			
					must be elevated a minimum of 18" above natural grade or			
					crown of nearest street. (3) New development must provide			
					detention. (4) Elevation Certificates are required when			
Abilene		1	1.5	1.5	structure is completed and before CO.	LFA is a CFM	2	
Addison		2	1.7				_	
tadioon	+				Residential requirement only - per Ordinance. City Council			-
					adopted Zone AE as floodway, and is not allowing		_	
Alamo Heights	1	1			development in floodway.	LFA is a CFM	1	
					(1) The City requires a hydraulic analysis on all new			
					development. (2) The City requires on-site detention. (3) In			
					Zone X new construction must be elevated a minimum of 1.5'			
	1				above natural grade or above the crown of the nearest street,			
Alice		1	1.5	1.5	whichever is higher.			
Alloc	+	ı	1.5	1.0	willonever is nighter.			+
	1				(4) Developed must conduct a ctudy to define the DEE and			
	1				(1) Developer must conduct a study to define the BFE and			
					floodway for both existing and fully developed conditions (2) If			
					any portion of a development of a drainage course lies within			
					100 feet from the top of a high bank or is identified as located			
					within the 100-yr floodplain on any FIRM, a detailed study of			
					the area is required. (3) For drainage areas 160 acres and			
					above, the developer is required to determine the 100-year			
					floodplain based on a fully developed watershed and this			
					floodplain cannot be disturbed and must be shown on the plat			
					and the City has the option of accepting the area. (4) On-site			
					detention is required (5) In Zone X new residential construction			
					must be elevated a minimum of 2' or above the crown of the			
					nearest street whichever is higher (6) In Zone X new non-			
					residential construction must be elevated a minimum of 1.5' or			
					above the crown of the nearest street whichever is higher			
					(7)EC required prior to framing, when construction is			
Allen	2	2	2 see notes	0	completed and prior to CO.	LFA is a CFM	3	
Allen			2 300 110103	U	(1) Developer must conduct a study and determine BFE and	LIABAUIW	J	+
	1							
	1				floodway boundary in Zone A (2) Elevation Certificates are			
Alvarado		0			required when structure is completed and before CO.	LFA is a CFM	1	
					(1) Developer must conduct a study, based on fully developed			
	1				watershed conditions, and determine BFE and floodway			
	1				boundary in Zone A (2) Onsite and regional detention is			
	1				required (3) Elevation Certificates are required prior to			
	1							
	1				forming/pouring lowest floor; when structure is completed and			
					before CO. (4) Biggest problem is development in SFHA and			
Alvin	1	1	1	1	floodway property buyouts	LFA is a CFM	4	
					(1) New construction must be elevated +1' above BFE. (2)			
			1		Developer most sumbit a study, based on both existing and		ĺ	1
					fully developed conditions, showing BFE and floodway in Zone		ĺ	1
					A. (3) Developer must balance fill with excavation producing		ĺ	1
					no change in BFE in floodway (4) Detention is only required			
					when there is no other alternative (5) New construction in			
					Zone X (shaded and unshaded) must be elevated +1.5' above		ĺ	1
					the flowline of the nearest street. (6) EC required prior to		ĺ	1
	1							
Amarillo	1		1.5	1.5	forming and pouring lowest floor; after construction; and prior to CO for all structures.	LFA is a CFM	4	

Higher S	Standard Surveys red	ceived via Survey Mo	nkey in 2018	= Yellow Highlight	,			
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
					Aransas County requires new construction to be elevated in			
					the SFHA - 18" for new structures and 6" for accessory			
Aransas County		1.5			buildings.	LFA is a CFM	1	
Aransas Pass		1	0	0	City building FPM program	LFA is a CFM	1	
					(1) Developer must conduct a study and determine fully developed floodplain, floodway and BFE in Zone A (2) 1:1			
					Compensatory storage required for ant SFHA development (3)			
					no increase in flood heights and no more than 5% increase in			
					velocity on adjacent properties. If there is an increase,			
					discharges must be detained on-site until requirement is			
					achieved (4) Developer must mitigate downstream impacts of			
					development (5) Elevation Certificate required when structure			
					is completed and prior to CO (6) Arlington enforces 25%			
					damage as substantially damaged (7) Arlington is CRS 7 (8)			
Arlington	more than 3'	2			Six (6) CFM's on staff	LFA is a CFM	6	7
Athens	more than 5	3			EC is required when construction is completed	EIABAOIW	<u> </u>	
7 10 10110		J			20 to required which continuously to complete.			
					(1) City Code precludes development within the fully			
					developed land-use condition 100-year floodplain. Conditional			
					exceptions include: 1) Within Central Business District, 2 feet			
					above fully developed BFE, and 2) Minimum freeboard of 1			
					foot above fully developed BFE in all other areas. (2) All			
					development must demonstrate no adverse flooding impact;			
					mitigation typically achived by on-site or regional detention			
					ponds. (3) City uses fully developed watershed condition			
					floodplain for regulating all subdivision platting and building			
					construction. (4) City adopted the IBC and the IRC (except			
					Plumbing) with reference to ASCE 24. (5) City requires			
					cumulative building addition and improvements (substantial			
					improvements) for 10 years. (6) Electric meter must be BFE			
					+3' (7) EC's required prior to pouring lowest floor, when			
					construction is completed and prior to CO. (8) on site and			
					regional detention required.(9) Biggest problem: Old Pre-FIRM			
Austin	1	+2' (See Notes)	2	0	structures	LFA is a CFM	30	6
Austin County	1	1	0	0				
					(1) Developer must submit a study defining both the BFE and			
					floodway based on fully developed conditions.(2) EC required			
					prior to forming/pouring lowest floor and when structure is			
Bailey's Prairie	1	1			completed.	LFA is a CFM	1	
					In a nutshell, "No Adverse Impact" means you cannot build in			
					the floodplain (contact Balch Springs city engineer for more			
Balch Springs		No Adverse Impact			info)			1
Ballenger		0			Elevation Certificate required before CO	<u> </u>		
					(1) Developer must submit a study defining the floodway			
					boundary in Zone A prior to permit (2) EC required prior to			
					forming or pouring the lowest floorand when construction is			
					completed (3) County requires detention, mitigation of			
Bandera County	1	3	2	1	downstream impacts and setback from floodway	LFA is a CFM	1	1
					(1) Developer must submit a study defining both the BFE and			
					floodway.(2) Developer must prove no adverse impact to			
					adjacent properties (3) EC required when structure is			
				1	completed and prior to CO.	LFA is a CFM	1	1
Bartonville		1				LFA IS a CFIVI	l l	
Bartonville		1			Developer must conduct a drainage study and provide	LFA IS A CFIVI	'	
Bartonville  Bastrop		2				LFA IS A CFIVI	ı	

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Higher S	Standard Surveys red	ceived via Survey Mo	nkey in 2018	= Yellow Highlight				
City or County Name	Feet above Fully Developed BFE	Feet above Existing BFE	Zone X(B) (Shaded) above street or curb	Zone X(C) (Unshaded) above street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	CRS Rating
					of the structure" treshold for substantial damage. (5) Elevation Certificates are required prior to framing and when	complience to be filed with County Clerk. Inspections reports from PE/AIA are required during construction. Any home w/in 150' of a		
sastrop County	2	2	0	0	and County has 4 CFM's on staff.	(easement)from SFHA	4	8
					floodway in Zone A prior to permit (2) Both residential and non residential structures must be elevated a minimum of 24 inches above BFE. (3) Onsite detention required (4) Manufactured homes can only be placed in existing manufactured home parks or subdivisions (5) EC required when construction is complete and prior to CO (6) Conctruction in AO/AH zones must be at depth specified or +3' is no depth specified. (7) Matagorda County DD#1 must review and approve major drainageways, detention and outfalls (8) The lowest adjacent grade to foundations must fall 6" in first 1' from foundations (9) City has FEMA approved all hazards and Flood Mitigation Plans (10) Biggest problem: Preliminary DFIRMs are now 7 years old. (11) Permanent metal storage containers (conex boxes) prohibited in SFHA. Temporary use up to 180 days if designed to withstand 10 psi			
Bay City	2	2	0.5	0.5	uplift.  (1) New construction must be elevated a minimum of 1.5'	LFA is a CFM	1	
Baytown	1.5	*see notes	1.5	1.5	above BFE. (2) Detention is required. (3) In Zone X, new construction must be elevated a minimum of 1.5 feet above natural grade or above crown of nearest street. (4) EC required prior to pouring lowest floor and before CO. (5) City is CRS Class 6.	LFA is a CFM	1	6
					(1) No more buyouts because City cannot manage any more vacant lots. (2) Elevation Certificates required prior to pouring slab, after construction and before CO.(3) Mobile homes not permitted outside MH Parks or MH Subdivisions (4) Mobile Homes must be elevated +1.5' above BFE (5) Biggest			
Beaumont		1.5	1	1	problem is fsubstantual damage	LFA is a CFM	4	7
edford	1	2			Bedford has a FEMA approved all hazards Mitigation Plan			1

Higher S	Standard Surveys red	ceived via Survey Mo	nkey in 2018	= Yellow Highlight	1			
City or County Name	Feet above Fully Developed BFE	Feet above Existing BFE	Zone X(B) (Shaded) above street or curb	Zone X(C) (Unshaded) above street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	CRS Rating
Bee Cave	2 see notes	2 see notes	1	0.5	(1) City does not allow development in the floodplain (2) Developer must conduct a study and determine BFE and floodway boundary in Zone A based on fully developed watershed; (3) New development must provide detention, mitigate downstream impacts and engineer must submit NAI certificate (4) New development must setback from floodway boundary (5) Elevation Certificates are required prior to forming/pouring lowest floor, when structure is completed and before CO. (6) Biggest problem is tremendous population growth and potential encroachments in SFHA	LFA is a CFM	2	
200 0010	2 333 113.53	2 000 110.000		3.0	In Zone X, new construction must be elevated 1.0' above natural garde or crown of nearest street. EC required 1)before construction begins, 2)when construction is complete and 3) before CO. County-wide detention requirements by HCFCD.	217110 0 07111		
Bellaire Belton	1 0	*see notes	1 1.5	1	Bellaire is CRS Class 8	LFA is a CFM	1	8
					(1) Developer must conduct a study to define BFE and Floodway in Zone A areas. (2) In Zone AO, new structures must be +2 feet above depth number (i.e.in Zone AO 1' - new structure must be elevated to +3') (3) No development in floodway without No-Rise Certificate, (4) Detention is required using iSWM criteria with no increase of peak flow under the 2-year, 25-year and 100-year condition, (5) If applicable, EC required at time of foundation forms and EC is always required when construction is completed, (6) New Critical Facilities (hospitals and fire stations) are prohibited within the 500-year floodplain and must be elevated +3' above BFE (7) Engineered fill and erosion/scour protection required for compacted fill beyond foundation and buffer required for structures adjacent streams (8) Non residential in Zone AE must be elevated +2 above the BFE for floodproofed, (9) No new lots in SFHA without buildable area outside SFHA, (10) Park dedication requirement of floodplain where each acre of flooway fringe counts as 1/2 acre toward park requirement, (11) Floodway area accepted for park dedication but does not receive park dedication credit.(12) City has Stormwater Utility			
Benbrook	2'	2	0	0	Fee (13) Problem is remapping impacted structures (1) Developer must conduct a study, based on fully developed conditions, to determine the BFE and Floodway boundary in Zone A prior to permit (2) Onsite detention required (3)Developer must mitigate downstream impacts (4) EC's required prior to forming/pouring lowest floor; when structure is completed: and prior to CO (5) Biggest problem is training and	LFA is a CFM	4	6
Bevil Oaks  Bexar County	2	2	0 8"	8*	(1) Developer must conduct a study to determine the BFE and Floodway in Zone A prior to permit (2) NAI is required (no impact) outside of owners property (3) Platted property requirements include residenses to be 8" above finish grade in all zones (4) Plat must show floodplain areas as drainage easements (5) County does not use floodway rules (6) EC is required prior to framing/pouring lowest floor and when structure is completed (7) Biggest problem is building and modifying structures without permits	LFA is a CFM	3	7

3/1		

Higher St	tandard Surveys red	ceived via Survey Mo	nkey in 2018	= Yellow Highlight				
City or County Name	Feet above Fully Developed BFE	Feet above Existing BFE	Zone X(B) (Shaded) above street or curb	Zone X(C) (Unshaded) above street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	CRS Rating
Bosque County	0	0	0	0	(1) Developer is required to conduct a study to define BFE in Zone A to establish BFE and floodway. (2) Downstrem impacts must be mitigated (3) EC is required prior to forming/pouring lowest floor (4) Biggest problem is lack of BFE for Zone A in County	LFA is a CFM	1	
Brady	2	2	2	2	(1) Developer must conduct a study and determine BFE and floodway boundary in Zone A based on fully developed watershed; (2) New development must provide detention (3) New development must setback from floodway boundary (4) Elevation Certificates are required prior to forming/pouring lowest floor, when structure is completed and before CO. (5) Biggest problems are: EAP for Lake Brad; non studied areas	LFA is a CFM	1	
					(1) In Zone A new development must be 2' above highest natural ground (2) Detention may be required (3) Developer must mitigate downstream impacts and set back from Floodway boundary (3) Drainage plan required for all commercial projects, structures over 5,000 SF and in Zone X when fill exceeds 20 loads per acre (4) No rise certification required for floodway development. (5)EC required prior to forming or pouring lowest floor, a dn when construction is complete (6) Biggest problem i Pre FIRM structures (7)			
Brazoria County		2			Drainage District approval required for development	LFA is a CFM	2	
Brazos County		2	0	0	(1) Developer must conduct a study and determine BFE and floodway boundary in Zone A. (2) No fill is allowed in SFHA (NAI) (3) Detention is required (4) EC required before forming/pouring lowest floor, when the structure is completed and prior to CO. (5) Septic Permit cannot be issued without Floodplain Permit. (6) County has interlocal agreement for ETJ Permits and shares GIS and floodplain data with the cities of Bryan and College Station. (7) Biggest problem is Oilfield development in the floodplain	LFA is a CFM	4	
Brazos County			U	0	(1) Developer must conduct a study and determine BFE and	LFA IS a CFIVI	4	
Brenham	2	2	2	1	floodway boundary in Zone A based on existing and fully developed conditions . (2) Detention is required (3) EC required before forming/pouring and prior to CO.	LFA is a CFM	1	
					(1) City enforces a true "no rise" floodway and no fill allowed in floodway regardless of engineering analysis. No-Rise certification must be signed, sealed and dated by a PE (2) Developer must conduct a study, based on fully developed conditions, to define BFE and floodway in Zone A (3) Detention and Floodway setback is required in Zone AE (4) Permits are required for both Floodplain and Septic Tanks. (5) EC required prior to forming/pouring lowest floor and when construction is completed. (6) Biggest problem: Undersized			
Brookside Village	2	2			maior drain	LFA is a CFM		

		ceived via Survey Mo		= Yellow Highlight		1		
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	<b>Fully Developed</b>	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Ratin
County Hamo	2: =	2: -	0001 0001.0	CLICCI CI CUID	opola. Hotos	10 21 71 0 01 111 1	0 0 0 0	
					(1) "No rise" study required for Zone AE development (2)			
					Study required to define BFE in Zone A before a permit will be			
					issued. (3) Detention required to mitigate development. (4)			
					Developer must mitigate downstream impacts of proposed			
					development (5) New construction in Zone X (shaded and			
					unshaded) must be elevated 1' +2% above natural garde or			
					crown of nearest street. (6) EC required after construction is			
					completed and prior to CO. (7) Floodplain issues in the County			
					located in the City's ETJ are regulated by the City (8) Biggest			
rownwood		1	1 (see notes)	1 (see notes)	problem is construction in Floodway	LFA is a CFM	1	
OWNWOOD		•	i (see notes)	1 (See Hotes)		LFA IS a CFIVI		
					(1) Development in Zone X must be elevated 0.5' above top of			
				ĺ	curb or above crown of nearest street. (2) EC's required			
				ĺ	during construction with form board survey and prior to CO.			
				ĺ	(3) Manufactured homes must be elevated 2' above BFE (4)			
				ĺ	City adopted IBC (5) Stormwater detention is required to	_		ı
							_	1 -
ryan	N/A	1	0.5	0.5	mitigate development impacts	LFA is a CFM	5	6
					(1) Developer must submit a study, based on fully developed	I		
				ĺ	watershed conditions, establishing floodplain and floodway	1		1
					boundaries and BFE in Zone A (2) On-site detention is			
					required to mitigate development (3) No development is			
uda	2	2	0	0	allowed in the designated floodplain	LFA is a CFM	1	
ulvedre		2				LFA is a CFM	1	
urleson		1			Burleson is CRS 7	LFA is a CFM	1	7
rancoon		•	+	+	(1) Developer is required to conduct a study to define BFE and	Li 7 (18 d Ol W	<del> </del>	+
					floodway in Zone A. (2) Detention is required (3) Development			
					in Zone X must be elevated a minimum of 12" above NG. (4)			
					EC is required prior to forming/pouring lowest floor; when			
Burnet County	1	1			structure is completed; and prior to CO.		1	9
surrier County	'	<u> </u>			structure is completed, and prior to CO.		'	9
					(1)County requires "no rise" for floodway development (2) No			
					mobile homes allowed in Zone V (3) EC required when			
					construction is completed (4) Biggest problem is insurance			
Selle aver Occupation		2	0	0		LEA is a CEM	2	
alhoun County		0	U	U	companies writing policies for non compliant structures	LFA is a CFM		
					(1) Developer must submit a study establishing floodplain and	l		
					floodway boundaries and BFE in Zone A (2) EC required	1		
					before forming/pouring lowest flooor; after construction and	1		1
Canton	1	1			prior to CO.	LFA is a CFM	1	
	1				prior to CO.	LI A IS a UFIVI	<u>'</u>	-
ameron County		2						
					(1) Developer must conduct a study in Zone A to establish			
					BFE and Floodway (2) Floodway setback required for new			
					development (3) New development in Zone X must be			
					elevated a minimum of 18 inches above top of curb.(4) EC is			
					required when structure is completed and prior to CO. (5)			
anyon		1	1.5	1.5	Biggest problem is keeping development out of Floodway	LFA is a CFM	2	
	0	0	1.0	1.0	Member of TCRFC	LI / IO d OI W		
armine	U	U		_				_
					(1) Zero (0') rise in Floodway. (2) Developer must conduct a			
					study, based on fully developed watershed conditions, to			
					determine BFE and floodway in Zone A; (3) New			
					development must provide detention. (4) Elevation Certificate			
					is required before pouring/placing lowest floor, and before CO			
					(5) Biggest problem is addressing erosion in channels and			
Carrollton	2	2	0	0	maintaining floodplain	LFA is a CFM	3	6
arrontori			U	U	mantaning noodplain	LI A IS a OI W	J	0

		ceived via Survey Mo		= Yellow Highlight				1
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
					(1) Developer is required to conduct a study, based on fully			
					developed conditions, to define BFE and floodway in Zone A.			
					(2) Detention is required (3) Developer must mitigate			
					downstream impacts (4) Grading permit requires in SFHA (5)			
					Biggest problem is out of date FIRMs and no BFE data in			
Cedar Hill	4	2	2	2	Zone A	LFA is a CFM	1	
Chico		2	2	2	EC is required when construction is completed	LEA IS a CEIVI		
JIIICO					EC is required when construction is completed			-
					(1) In Zone A the Developer must conduct a study to define			
					(1) In Zone A the Developer must conduct a study to define			
					the BFE and to ensure conveyance of fully developed flows			
					(2) Detention or mitigation required for fill placed in			
					floodplain/floodway. (3) EC required when structure is			
					completed and prior to CO (4) Engineering study required			
					showing no adverse impacts to adjacent tracts. (5) City			
					adopted City of Austin Drainage Criteria Manual requiring			
					conveyance of fully-developed 1% storm in drainage			
Cedar Park		1			easements when drainage areas is greater than 64 acres.	LFA is a CFM	3	
		·						
					(1) Developer is required to conduct a study, based on fully			
					developed conditions, to define BFE and floodway in Zone A.			
					(2) Detention is required (3) Developer must setback fron			
0.11		2		"	Floodway and mitigate downstream impacts (4) Biggest	154: 054		
Celina	2	2	0	//	problem is non compliant development in the ETJ	LFA is a CFM	6	
					(1) In Zone A, the Developer is required to conduct a study,			
					based on fully developed watershed conditions, to define BFE			
					and floodway. (2) Onsite detention is required (3) Developer			
					must mitigate downstream impacts and setback from			
					Floodway (4) Manufactured homes must be elevated so			
					lowest support is 1' above BFE (5) EC is required prior to			
					forming/pouring lowest floor, when construction is completed			
Chambers County		1	0	0	and prior to CO. (6) Biggest problem is compliance	LFA is a CFM	2	
		·	·		(1) Developer is required to conduct a study to define BFE and			
					floodway in Zone A. (2) Detention is required (3) EC is			
					required prior to forming/pouring lowest floor; when structure is			
Charlette	0	0						
Charlotte	U	0			completed; and prior to CO.			-
					The second secon			
					(1) Clear Lake Shores is a coastal community so fill is allowed			
					but not for structural support in Zone VE (2) EC required prior			
					to framing/pouring lowest floor, when construction is			
					completed and prior to CO. (3) Biggest problem is flooding			
Clear Lake Shores	1	1	2	1	from tidal waters and stormwater drainage.			
Cleburne		1			Clebune is CRS Class 8.	LFA is a CFM	2	8
					(1) In Zone A Developer cost conduct a study, based on fully			
					developed watershed conditions, to define BFE and Floodway			
					before permit (2) Fill placed in floodplain/floodway must be			
					mitigated. (3) On site detention required, floodway setback			1
					and mitigation of downstream impacts (4) New structures in			
					Zone X must be elevated 1.5' X shaded and 1' X unshaded			
					above natural grade or crown of nearest street.(5) EC			
					required prior to forming/pouring lowest floor and when		_	
Cleveland	1	1	1.5	1	structure is completed and prior to CO.		0	
					(1) In Zone A the Developer must conduct a study to define			1
					the BFE and Floodway. EC required when structure is			
Cold Spring	<u>                                       </u>	0			completed.	LFA is a CFM	1	

	tandard Surveys reco			= Yellow Highlight				
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Ratin
					(1) Designated channel reaches have additional reqirements of +2', +3' and +4' above BFE. (2) New construction in shallow flooding areas (Zone AH and AO) must be elevated +1' above depth number or BFE. (3) EC are required prior to forming/pouring lowest floor and Prior to issuing a CO. (4) Detention is required to mitigate the impact of development.	Brazos County, Bryan and College Station have standardize floodplain management requirements and drainage policy. LFA is		
College Station	N/A	1	2	2	College Station is CRS 7. City has five (5) CFM's on staff.	a CFM	5	7
Colleyville	2	2	0	0	(1) In Zone A developer must conduct a study, based on fully developed watershed conditions, and define the BFE and floodway (2) On-site detention is required (3) Fine is \$2,000/day for non complience	LFA is a CFM	2	
Collin County	2	2			(1) City requires mitigation of all fill placed in floodplain and floodway (2) Detention is required (4) EC required prior to forming/pouring lowest floor	LFA is a CFM	2	
Collingsville		2			(1) EC required upon completion of construction, (2) Fine is \$2,000/day for non complience	E. A LOCAL OF IVE		
					In Zone A the Developer must conduct a study to define the BFE and Floodway. Detention or mitigation required for fill placed in floodplain/floodway. EC required when structure is	LEA is a CEM		
Colorado County	1	1			completed. (1) No development is allowed in platted Zone A areas. (2)	LFA is a CFM	1	
Comal County	0.01	0.01			Developer must conduct a study showing NAI resulting from the proposed development (3) Detention is required (4) Developers must designate Zone A areas on Plats and designate Zone A areas as building set back areas (5) EC required prior to forming/pouring lowest floor and when construction is completed	LFA is a CFM	1	
					(1) Developer must conduct a study to establish BFE and floodway boundary (2) City requires mitigation of all fill placed in floodplain and floodway (3) Manufactured homes may not be placed in the 100-year floodplain (4) No rise certification required for floodway development (5) Detention is required (6) New construction in Zone X must be elevated a minimum of 1'above BFE or crown of nearest street or closest BFE (7) EC required when construction is completed and prior to CO. (3) All sanitary sewer manholes must be bolted and sealed 1'above BFE (9) Structures crossing the floodplain must be sized to carry the 100-year flood discharge. (10) Permit violations carry \$500/day fine (11) Two (2) CFM's on staff (12)			
Conroe	1	11			Conroe is CRS 7 (1) Developer is required to conduct a study to define BFE in	LFA is a CFM	2	7
					Zone A. (2) Developer must mitigate downstream impacts (3) In Zone X new structures must be elevated a minimum of 1' above curb of nearest street (4) EC is required prior to forming/pouring lowest floor; when structure is completed; and prior to CO. (5) Biggest problem is maintaining channel conveyance and preventing encroachment into channel and			
Coppell	1	2	1 see notes	1 see notes	floodway Flood plain administrator requires 2 feet on all new	LFA is a CFM	4	8
Copper Canyon		1			subdivisions			
Copperas Cove		1.5						
	1		i	1	(1) EC is required when construction is completed and prior to	l l		1

Higher S	tandard Surveys red	ceived via Survey Mo	nkey in 2018	= Yellow Highlight	,			
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
Corpus Christi	0	0	1.5	1.5	(1) Developer is required to conduct a study to define BFE in Zone A. (2) Developer must mitigate downstream impacts (3) In Zone X new structures must be elevated a minimum of +1.5' above curb of nearest street (4) EC is required prior to forming/pouring lowest floor; when structure is completed; and prior to CO. (5) Biggest problem is community education	LFA is a CFM	9	7
					(1) Developer is required to conduct a study to define BFE and floodway in Zone A. (2) EC is required prior to forming/pouring			
Corsicana		1			lowest floor; when structure is completed; and prior to CO.	LFA is a CFM	1	
Crowley		2			(1) Developer is required to conduct a study to define BFE in Zone A. (2) Proposed development in the floodway must include a H&H study proving no (0.0°) increase in the BFE's. (3) Detention is required (4) EC is required prior to forming/pouring lowest floor and when structure is completed. (5) New bridges and culverts must pass fully developed flows with 1° freeboard.			
Cuero	1	1			(1) On site detention is required (2) Developer must mitigate downstream impacts and setback from Floodway. (3) EC required when construction is completed and prior to CO (4) Biggest problem is education of public and development community	LFA is a CFM	1	
Dallas	3	3 (see notes)	+3 see notes	+3 See notes	(1) All floodplains have been mapped to fully-developed conditions. (2) No construction allowed in the floodplain (3) New construction must be BFE +3" (4) In Corps defined floodway, on Trinity River and tribs, no development is allowed without CLOMR, Dallas Fill Permit and Corridor Development Certificate (CDC) (5) Fill permit allows reclamation but has +3" freeboard and NAI requirement (6) Dallas does not have floodways therefore there is a 0" rise allowed in floodplain (7) Hydraulics analysis required to ensure that there is no loss in valley storage. (8) EC's required for modification to existing structures. (9) City also has environmental requirements in SFHA. (10) Detention may be required (11) Dallas is CRS Class 5, (12) Dallas is a CTP Community (13) Biggest issues are: (13.1) Funding for capital construction projects for flood protection and storm drainage. (13.2) Complexity of federal grant requirements requires a lot of local resourses. (13.3) Challenges of floodplain development in large, built up urban areas.	LFA is a CFM	25	5
					(1) No encrochment into Floodway without a study proving NAI (2) Detention is required (3) Downstrem impacts must be mitigated (4) Problem: Filling without a permit and educating	154: 051:		
Dallas County		1	0	0	the public	LFA is a CFM	3	+
Dalworthington Garder Dayton	ns 1	2	1	1				+
Decatur	2	2	0.5	0.5	(1) Developer is required to conduct a study, based on fully developed conditions, to define BFE in Zone A to establish BFE and floodway. (2) Detention is required (3) Developer must mitigate downstream impacts (4) Biggest problem: No BFE's in Zone A and flooding in Zone X	LFA is a CFM	1	

Higher S	tandard Surveys red	ceived via Survey Mo	nkey in 2018	= Yellow Highlight	<u> </u>			
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
					(1) Plats must show floodplain boundaries and BFE's (2) EC			
					required prior to framing and pouring lowest floor, when			
					construction is completed (3) Floodplain Ordinance posted on			
					City website (4) Detention required. (5) EC required for all			
Deer Park	1	1	2	2	zones (6) Problem: Mechanical equipment below BFE	LFA is a CFM	2	8
					(1) Critical Facilities that cannot be located outside the 500-			
					year floodplain must be elevated a minimum of +3' above the			
Denison		2			BFE (2) EC can only be prepared by a RPLS	LFA is a CFM	1	
					(1) No rise allowed in floodway/floodplain. (2) In Zone A,			
					Developer must define Floodplain and Floodway if 3 acreas or			
					20 lots. (3) New structures in Zone X and any structure within			
					200' of SFHA must be elevated 2.5' above BFE or 18" above			
					crown of nearest street whichever is higher. (4) EC required			
					when structure is completed and before CO. Denton is CRS			
Denton	2	2	2.5	2.5	Class 6.	LFA is a CFM	1	6
					(1) Developer must conduct a study to establish the BFE in			
			1	1	Zone A areas (2) Developer must mitigate downstream			
					impacts (3) Form board survey required before lowest floor is			
					poured (4) EC is required when construction is completed and			
					prior to CO (5) Geotechnical report and engineering			
					foundation design is required for new structures in SFHA. (6)			
Denton County		2			County is CRS 10	LFA is a CFM	4	10
		_			(1) EC required upon completion of construction (2) city has		· · · · · · · · · · · · · · · · · · ·	
Desoto		2			adopted the 2003 International Building Code			
200010		_			(1) Onsite and regional detention is required (2) Developer			1
					must setback from Floodway boundary and mitigate			
					downstream impacts (3) Development in Zone X must be			
					elevated a minimum of 2' above NG or crown of nearest street			
					(4) EC required prior to forming/pouring lowest floor; when			
Dickinson		1			construction is completed and prior to CO	LFA is a CFM	2	8
Dickinson		'			Floodplain administrator requires +2 feet on all new	LI A IS a OI W		
Double Oak		1			subdivisions			
Double Oak		'			(1) Developer is required to conduct a study to define BFE and			1
					floodway in Zone A based on fully developed watershed			
					conditions. (2) Detention is required (3) EC is required when			
Duncanville	2	2	0	0	structure is completed and prior to CO	LFA is a CFM	1	7
Daricanville					Structure is completed and prior to CO	LI A IS a OI W	· · · · · · · · · · · · · · · · · · ·	<del>  '</del>
Eagle Lake		1			requires final EC from surveyor for all new construction in FP			
Lagic Lake		'			(1) Developer is required to conduct a study to define BFE anf			+
					floodway in Zone A. (2) Detention is required (3) In Zone X,			
					new development must be elevated 1' above natural ground or			1
					curb of nearest street. (4) EC is required prior to			
					forming/pouring lowest floor, when structure is completed and			
Eagle Pass		1	1	4	prior to CO	LFA is a CFM	1	
Lagic rass		'		'	City has contracted with Wharton County to manage floodplain	LIABAUIW	ı	+
East Bernard		1			management program.	Wharton Co. LPA is CFM	1	
Last Dellialu		'			management program.	VVIIGITOTI CO. LEA 15 CEW	<u> </u>	
					(1) Drainage plan required with preliminary Plat (2) Detention			
					is required (3) EC is required prior to forming/pouring lowest			
					floor and when structure is completed (4) City has new			
					Stormwater Utility Fee (5) City's FPM consultant has 2 CFMs			
Edgecliff Village	0	0	0	0			* See not e#5	
Eugeciiii viiiage	U	U	U	U	on staff (6) Problem: Cost to maintain infrastructure		See not e#5	

City or County Name    City   Feet above   Feet above   Cisated) above   Cisated) above   Cisated) above   Cisated) above   Cisated)   Cisated)   Cisated   Cisated)   Cisated	Higher 9	Standard Surveys red	ceived via Survey Mo	nkey in 2018	= Yellow Highlight	7			
or Fully Developed Existing BFE BFE street or curb street or curb attent or curb									
Security Name   BPE   BPE   street or curb   Sepecial Moles   Is LFA a CFM?   CFM's on staff   Ratification   CFM's on staff   CFM's on staff   Ratification   CFM's on staff   CFM's on staff   Ratification   CFM's on staff   Ratification   CFM's on staff									CRS
Campo   1.5   1.				` ,	, ,	Chaniel Notes	In LEA & CEMO	CEMIa an atoff	
above natural grade or 12 in above crown of nearest street (2) EC required shorts (2) in 2cree X, furnhadion) new development must be 18" above crown of nearest street (3) EC required shorts (3) EC required	County Name	BFE	BFE	Street or curb	Street or curb		IS LFA a CFM?	CFIN'S ON STATE	Rating
Can December   Can									
above crown of nearest street, (3) EC required before framing/pouring lowest floor and professional framing lowest floor and Professional (3) and professional framing lowest floor and performance of the professional framing lowest floor and performance floor construction and before CO.  Brasso, City of 2 2 2 2 2 10° 10° 10° 10° 10° 10° 10° 10° 10° 10°									
framinippouring lowest floor and after construction is complete. (4) No development period in the Floodways (5) City has FEMA approved alt-hazard and Flood Migration.  LEA is a CFM  1.5.  1.6.  1.1.									
a Campo  1.5  1.6  1.7  1.7  1.6  1.7  1.7  1.7  1.7									
Clampo 0 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5						framing/pouring lowest floor and after construction is			
1.5						complete. (4) No development permitted in the Floodway (5)			
Company   Comp						City has FEMA approved all-hazard and Flood Mitigation			
Company   Comp	El Campo		0	1.5	1.5	Plans.	LFA is a CFM	1	
# 11.51 (2) EC required prior to forming populing lowest tipor and before CO and before CO  1						(1) New construction must be elevated at or above 15.7' (BFE			
and before CO    Comparison   C									
Sign   1	FILano		4.1						
County   0   2   0   0   1   1   2   2   0   0   1   2   2   2   2   2   3   3   3   3   3			1			and bololo oc			
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Developer must mitigate downstream impacts (3) Regional detention is required for large subdivisions (4) FE Paso adopted Drainage Impact Festo fund drainage projects (5) City is CRS (9) GE. Crequired before framing after construction and before CO. (7) Problem; Cost to improve infrastructure.  In pact of the construction and before CO. (7) Problem; Cost to improve infrastructure.  In pact of the construction and before CO. (7) Problem; Cost to improve infrastructure.  In pact of the construction is required to conduct's study to define BFE and floodway. (2) Detention is required to conduct's study to define BFE and floodway. (2) Detention is required to conduct's study to develope must submitted by the conduction of the co									
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construction and before CO. (7) Problem: Cost to Improve LFA is a CFM 1 Security of Cost Individual Cost Indidual Cost Individual Cost Individual Cost Individual Cost Individ									
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define BFE and floodway. (2) Detention is required (3)  2 2 10" 10" No BFEs in 20 rose A  (1) Zone A - Developer must submit a Haft Study, based on (1) Zone A - Developer must submit a Haft Study, based on (1) Zone A - Developer must submit a Haft Study, based on (1) Zone A - Developer must submit a Haft Study, based on (1) Zone A - Developer must submit a Haft Study, based on (1) Zone A - Developer must submit a Haft Study, based on (1) Zone A - Developer must submit a Haft Study, based on (1) Zone A - Developer must submit a Haft Study, based on (1) Zone A - Developer must militar a Haft Study based on (1) Zone A - Developer must militar a Haft Study, based on (1) Zone A - Developer must militar a Large Study Based	El Paso, City of	2	2	2	1	infrastructure	LFA is a CFM	1	9
Problem: No BERS: in Zone A    Problem: No BERS: in Zone A   Problem: No Bers: in Zone A   Problem: No Bers: in Zone A   Problem: No Bers: in Zone A   Problem: No Bers: in Zone A   Problem: No Bers: in Zone A   Probl						(1) In Zone A, the Developer is required to conduct a study to			
Problem: No BERS: in Zone A    Problem: No BERS: in Zone A   Problem: No Bers: in Zone A   Problem: No Bers: in Zone A   Problem: No Bers: in Zone A   Problem: No Bers: in Zone A   Problem: No Bers: in Zone A   Probl									
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Fayette County  1  a new ordinance is being proposed requiring +2'. (2) EC required at final stage of dev/ (3) FPA position is recently vacant/ it was managed by a CFM  (1) No development is allowed in the floodplain without a no rise study showing no increase in water surface or velocity (2) In Zone A, developer must conduct a study, based on fully developed conditions to define floodplain. (3) No fill is allowed in floodplain or floodway without mitigation (4) In Zone X development must be elevated a minimum of 1' above the curb. (5) Detention is required (5) EC required prior to framing/pouring lowest floor and when construction is  Flower Mound  1.5  1.5  0  0  0  0  LFA is a CFM  1									
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Flower Mound 1.5 1.5 0 0 completed and prior to CO LFA is a CFM 3						framing/pouring lowest floor and when construction is			
oney 0 1 1 1	Flower Mound	1.5	1.5	0	0	completed and prior to CO	LFA is a CFM	3	
	Forney		0				1	1	

3/1		

		ceived via Survey Mo	nkey in 2018	= Yellow Highlight	1			
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	<b>Fully Developed</b>	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
County Numb	5.2	DI L	Street or Guilb	Street or Gurb	Openia Hotes	IO EI A G OI III .	Of the S Off Staff	itating
					(1) In Zone A, the Developer is required to conduct a study,			
					based on fully developed watershed conditions, to define BFE			
					and floodway. (2) Detention is required (3) Developer must			
					mitigate downstream impacts (4) In Zone X structures must be			
					elevated a minimum of 24" above NG and above the crown of			
					the nearest street (5) Permits required for structures greater			
					than 100sf; for modification of natural drainage route; for fill in			
					excess of 500CY; or fill resulting in surface change in excess			
					of 6" (6) EC is required prior to forming/pouring lowest floor			
					and when construction is completed. (7) Biggest problems:			
					Zone A areas without BFE; unpermitted development and fill;			
Fort Bend County	1.5	1.5	2	2	and major development pressure	LFA is a CFM	8	
on Bena County	1.0	1.0	2	2	and major development pressure	LFA IS a CFIVI	0	
					(1) City inforces "no rise" requirement (2) In Zone A (no BFE)			
					developer must conduct a study to establish BFE. (3)			
					Developer must provide detention and mitigate downstream			
					impacts (4) EC required prior to forming/pouring lowest floor			
					and when construction is complete (5) City requires Corridor			
					Development Certificate compliance prior to developing in			
					Trinity River 100 & 500-yr floodplains (6) Developer must			
					dedicate 100-year fully developed floodplain +10' as a			
					drainage easement (7) Fort Worth has installed a flood			
					warning system (8) EC requirted when consytruction is			
Fort Worth	2	3			completed and prior top CO	LFA is a CFM	10	8
OIL TYOILI	_	J			(1) In Zone A, the Developer is required to conduct a study to	2.71.0 0 01 111	.0	
					define BFE and floodway based on fully developed watershed			
					conditions. (2) City requires NAI - Detention and mitigation of			
					downstream impacts (3) No development is allowed within the			
					100 year floodplain. All construction over 1 acre requires			
					detention/no increased runoff. (4) Any land in SFHA that			
					cannot be properly drained cannot be subdivided or developed			
					without a study and CLOMR (5) Biggest problem is need for			
Fredericksburg	1	1			updated FIRMs	LFA is a CFM	1	
					(1) Developer is required to conduct a study to define the			
					existing conditions and fully developed conditions BFE and		1	1
					floodway in Zone A (2) New construction in Zone X must be		1	1
					elevated 12 inches above NG in Zone X Shaded and 12		1	1
					inches above NG in Zone X Unshaded (3) EC required prior to			
					forming/pouring lowest floor; when structure is completed; and		1	1
reeport	1	2	1	1	prior to CO.(4) Levee certification effort is underway	LFA is a CFM	1	
					(1) Developer must conduct a study to establish the BFE in			
					Zone A before permit (2) Detention required (3) EC required			
					prior to forming/pouring lowest floor, when construction is			
riendswood	2	2	1.5	1.5	completed and prior to CO	LFA is a CFM	5	5
Heridawood								

Higher S	tandard Surveys red	ceived via Survey Mo	nkey in 2018	= Yellow Highlight	<u> </u>			
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
Frisco	2	2	1	1	(1) Developer is required to conduct a study to define the existing conditions and fully developed conditions BFE and floodway in Zone A (2) New construction in all zones must be elevated aminimum of 12" above curb (3)Both on-site and regional detention is required (4) Developer must offset from floodway boundary and mitigate downstream impacts (5) City has fully developed conditions models and all future development must be outside fully developed floodplain (6) In Zone X (unshaded) new development must be elevated a minimum of 12" above natural garde, crown of nearest street or 24" above fully developed BFE, whichever is higher (7) Biggest problems are: low water crossings, undersized culverts/bridges and older homes in SFHA	LFA is a CFM	2	
Gainsville	2	2	1	0.75	(1) Developer is required to conduct a study to define existing conditions and fully developed conditions BFE and floodway in Zone A. (2) Detention is required for new construction. (3) New construction in Zone X (shaded) must be elevated a minimum of 1' above NG or crown of nearest street and 0.75' aboe in Zone X (unshaded) (4) EC is required prior to forming/pouring lowest floor and when structure is completed. (5) Two (2) CFM's on Staff	LFA is a CFM	1	
Galveston	0	0	1.5	1.5	(1) Only require detention in specific areas where a drainage channel has been determined to be undersized. Galveston is a barrier island and we seek to direct drainage to the Gulf of Mexico or Galveston Bay as quickly as possible. All the City drainage outfalls are tidally influenced and any delay in getting runoff off the island is not acceptable. The City seeks to get rainwater off the island as quickly as possible. (2) maximum enclosures below BFE in VE-Zones is 299 Square feet based on outside dimensions. (3) New construction in Zone X must be elevated a minimum of 18" above NG or crown of nearest street (4) EC is required prior to forming/framing lowest floor, when structure is completed and prior to CO (5) Biggest problem is citizens wanting to enclose more area and install restrooms below BFE	LFA is a CFM	2	7
Galveston County		0	2	1.5	(1) New construction in Zone X must be elevated 24 inches above NG in Zone X Shaded and 18 inches above NG in Zone X Unshaded (2) EC required when structure is completed. (3) Major HMGP buyout project underway on Boliver Peninsula	LFA is a CFM	1	
Garland	1	1	1	1	(1) Fully-developed BFE and compensatory valley storage required for all development in Rowlett and Spring Creeks. (2) Developer must conduct a study for to define floodplain and floodway in Zone "A" areas. (3) Detention required for high impact projects. (4) In Zone X all development must be elevated a minimum of 2' above point of positive drainage (5) EC is required when constructuion is completed and prior to CO (6) Compensatory excavation or detention required to meet NAI (7) Developer must mitigate downstream impacts (8) No Manufactured Homes allowed in SFHA (9) Flood study required for all LOMR-Fs	LFA is a CFM	4	7

Higher S	Standard Surveys red	ceived via Survey Mo	nkey in 2018	= Yellow Highlight	1			
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
					(1) In Zone A, the Developer may be required to conduct a study to define BFE and floodway. (2) Detention is required (3)			
					Development in Zone X must be elevated a minimum of 1'			
					above NG and above the crown of the nearest street (4) EC is			
					required prior to framing/pouring lowest floor, when			
					construction is completed and prior to CO. (5) Biggest problem			
					is the need for updated maps due to massive development			
Georgetown		1	0	0	pressure	LFA is a CFM	3	
					(1) EC required prior to forming/pouring lowest floor and when			
					construction is completed (2) Biggest problem is large			
Gillespie County		0	0	0	unstudied areas with no BFE's or floodways.			
					City required drainage review by CFM for all subdivision			
					proposals. City is CRS Class 7 but lower class is pending City is a FEMA Cooporative Technical Partner (CTP). Two (2)			
Goldthwaite	1 1	2			CFM's on staff.	LFA is a CFM	2	
Gonzales County	'	0			Of Wild Off Staff.	EI A IS a CI IVI		
Conzaios County		- U						
					(1) Developer must conduct a study, based on fully developed			
					watershed conditions, to define BFE in Zone A (2)On-site and			
					regional detention is required (3) Developer must mitigate			
					downstream impacts (4) Floodway setback required for new			
					construction (5) EC required when construction is completed			
					and prior to CO (6) City enforces CDC development			
					requirements along Trinity River (7) City is a FEMA			
					Cooporative Technical Partner (CTP). (8) Valley storage must			
					be preserved (9) New mobile homes must be BFE +3' (10) City requires CLOMR to revise floodway and LOMC for all			
					completed projects that remove properties from the floodplain			
					(11 )City enforces free board of +2' on the lowest floor			
					elevation of buildings and +1' free board on parking and			
					paving areas (12) City requires land in SFHA to br dedicated			
					as drainage esements during the platting process (13) Biggest			
					problems are convincing TxDOT to design and construct to			
					city's higher standards and developers filing LOMR's afyer			
Grand Prairie	1	2	0.5	0.5	construction is complete	LFA is a CFM	6	5
					(1) In Zone A, the Developer is required to conduct a study to	<del></del>		
					define BFE based on fully developed watershed conditions. (2)			
					City requires NAI - Detention and mitigation of downstream			
					impacts (3) Drainage plan required before permit in Zone X to			
Cronovino	2	2	Con notes	See notes	determine elevation requirements (4) Biggest problem is	LEA is a CEN4	_	
Grapevine			See notes	See notes	erosion (1) In Zone A, the Developer is required to conduct a study to	LFA is a CFM	1	-
					define BFE and floodway. (2) EC is required prior to			
					forming/pouring lowest floor and when construction is			
Grayson County		1			completed (3) Biggest problem is educating the public	LFA is a CFM	1	
		· ·			(1) Developer must conduct a study to establish BFE's in Zone			
					A (2) Pad elevation must be +1' above BFE (3) In reclaimed			
					areas lowest floor must be +2' above BFE (4) Structures in the			
					SFHA that have flootprint increased greated than 15% are			
					considered substantially improved (5) On site detention is			
					required (6) Biggest problem is Pre-FIRM structures in SFHA			
Greenville		1	0	0	below BFE	LFA is a CFM	1	
					(1) In Zone A, the Developer is required to conduct a study to			
					define BFE and floodway. (2) Detention is required (3) EC is			
Crimas Caunty		0			required prior to forming/pouring lowest floor, when	LEA is a CENA	1	
Grimes County	<u> </u>	0	Į	ļ	construction is completed and prior to CO.	LFA is a CFM	1	

City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CR
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rati
					·			
					(1) new construction must be elevated 1' above BFE. (2)			
					Developer must submit a study showing BFE and floodway in			
					Zone A areas based on fully developed conditions. Study must			
					also show "no rise". (3) Detention is required to mitigate			
					development. (4) EC is required prior to forming/pouring			
					lowest floor; after construction is completed and prior to CO.			
					(5) New Plats must show BFE for all lots in floodplain. (6)			
uadalupe County	1	1			County is CRS 8. (7) Three CFM's on staff.	LFA is a CFM	3	8
un Barrell City		3			EC is required when construction is completed			
					City has initiated a major HMGP acquisition project to remove			
altom City		2			a mobile home park from the floodway.	LFA is a CFM	1	7
					(1) In Zone A, the Developer is required to conduct a study to			
					define BFE and floodway. (2) Detention is required (3)			
					Development in Zone X must be elevated 2' (Shaded X) and			
					1.5' (Unshaded X) (4) EC is required prior to forming/pouring			
Harlingen	2	2	2	1.5	lowest floor, when construction is completed and prior to CO	LFA is a CFM	1	
aningen			2	1.0	lowest floor, when construction is completed and prior to co	LIABAOIM	1	
					(1) Developer must conduct a study to define BFE's in Zone A			1
					begfore permit (2) New development must setback from			
					floodway boundary (3) EC is required prior to forming/pouring			
					lowest floor and when construction is completed. (4) Biggest			
larden County	1	1	0	0	problem: massive Zone A areas without BFE's	LFA is a CFM	1	
arker Heights		1						
					(1) Developer must conduct a study to define both the BFE			
					and floodway prior to permiting development in Zone A (2)new			
					construction and substantial improvement in SFHA must be			
					elevated +2' above BFE (3) +3.0 feet to lowest horizontal			
					member in floodway (2) no fill is allowed in floodplain or			
					floodway without mitigation (NAI) (3) both on site and regional			
					detention is required (4) In Zone A the lowest floor must be +6'			
					above NG (5) In Zone AO the lowest floor must be +3' above			
					the depth number (6) EC is required prior to framing/pouring			
					lowest floor, when construction is completed and prior to CO			
					(7) Critical facilities must be elevated a minum of 3' above 500- year flood elevation (8) No fill allowed in Zone AE and new			
					structures must be on piers or open wall foundations (9)			
larris County	See notes	+2 above 500-yr	+1 above 500-vr	1	HCFCD is a FEMA Cooperative Technical Partner	LFA is a CFM	12	
iams County	See notes	+2 above 500-yr	+ 1 above 500-yr		Commissioners Court is evaluating an 2012 ordinance that	LFA IS a CFIVI	12	
larrison County		0			incorporated higher standards (freeboard)	LFA is a CFM	1	
lamson County		0			(1) New Construction must be +2' above Fully Developed BFE	LI A IS & OI W		
					in all studied areas and +1' in unstudied areas.(2) Developer			
					must conduct a study and define fully developed BFE and FW			
					in Zone A. (3) Detention is required and developer must			
laslet	2	2	0	0	mitigate downstream impacts	LFA is a CFM	2	
					(1) In Zone A, the Developer is required to conduct a study,			
					based on fully developed watershed conditions, to define BFE.			
					(2) Detention is required in new subdivisions (3) EC is			
					required when construction is completed and before CO is			
					issued. (4) Permits are required for all development to			
				1	determine compliance (5) Biggest problem is mapping and			
					permitting homes destroyed adject to Blanco River (record			
lays County	1	1	0	0	flood)	LFA is a CFM	4	<u> </u>
enderson County	<u> </u>	3		<u> </u>	EC required when construction is completed		<u> </u>	

Higher S	Standard Surveys red	ceived via Survey Mo	nkey in 2018	= Yellow Highlight	,			
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
					Developer must establish BFE and Floodway in Zone A.			
					Detention is required. EC is required before pour and after			
Herlotes	1	1			construction is completed.	LFA is a CFM	1	
					(1) Study is required to define BFE in Zone A (2) No fill in			
					floodplain or floodway with out mitigation (3) all development in			
					SFHA must be elevated a minimum of +2' above NG (3)			
					Detention is required (5) EC is required prior to			
					forming/pouring lowest floor and prior to CO.(6) City is			
					basically built out and only SF lots remaining (7) Biggest			
					problem: Noncompliant waterfront structures and resistance			
Highland Haven	2	2	1	1	from property owners	LFA is a CFM	1	
Highland Park		1						
					(1) Developer must conduct a study to define BFE and			
					floodway in Zone A (2) No fill in floodplain or floodway with out			
					mitigation (3) Detention is required for subdivisions greater			
					than 5 acres (4) EC is required prior to forming/pouring lowest			
					floor, when construction is completed and prior to CO.(5)			
					Biggest problem is drainage problems and flooding from storm			
Highland Village		2	0	0	runoff	LFA is a CFM	2	
Village of the Hills	1	1	0	0				
					(1) Developer must conduct a study, based on fully developed			
					watershed conditions, to define BFE and floodway in Zone A			
					(2) Detention is required (3) EC is required prior to			
					forming/pouring lowest floor; when construction is completed			
					and prior to CO (4)All new construction and substantial			
					improvements of residential and commerical structures have			
					the lowest floor including basement elevated to two 2 feet			
					above the base flood elevation (5) Development fee of \$200 is			
Hillsboro	2	2	0	0	required	LFA is a CFM	1	
İ					(1) Hillshire Village enforces HCFCD detention requirements.			
Hillshire Village		1			(2) Hillshire Village is part of the HGAC Mitigation Plan			
J					,			
					(1) Developer must conduct a study to define the floodway			
					and BFE in Zone A (2) EC required prior to forming/pouring			
Hitchcock	1	1			lowest floor, when construction is completed and prior to CO	LFA is a CFM	1	
					(1) New construction must be elevated on piling or piers (2)			
					No fill allowed in SFHA (3) EC required prior to			
					framing/pouring lowest floor, when construction is complete			
					and prior to CO (4) Biggest problem is Fre-FIRM structures			
Holiday Lakes	2	2	2	2	below BFE	LFA is a CFM	1	
					(1) Developer must conduct a study to define BFE in Zone A			
					(2) Newly created parcels developed after August 14, 2012			
					must elevate to two feet above BFE. Septic systems are not			
					allowed in floodplain for new subdivisions after this date.			
					Septic system permits may not be issued until floodplain			
					requirements are met per on-site sewage facility Order. (3) EC			
					is required when construction is completed.(4) Biggest			
					problem is large number of uninsured structures in			
Hood County	0	2	0	0	improvished areas.	LFA is a CFM	2	

Higher S		eived via Survey Mo		= Yellow Highlight				
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
					(1) 1 foot freeboard in floodplain, 1.5 feet freeboard in			
					floodway (2) Onsite and regional detention is required. (3)			
					Developer must mitigate downstream impacts (4) Critical			
					facilities must be elevated a minimum of +1' above the 500-			
					year in Zone X (5) EC required prior to forming/pouring lowest			
					floor, when construction is completed and prior to CO. (6)			
Houston	0	1	See notes	0	Biggest problemis large number of Repetitive Loss structures	LFA is a CFM	22	5
					(0.5)			
					(1) Developer must conduct a study to define the floodway			
		•			and BFE in Zone A (2) EC required prior to forming/pouring			
Hunt County		2			lowest floor and when construction is completed			
					(1) Developer must conduct a study based on 6 th developed			
					(1) Developer must conduct a study based on fully developed conditions to define the floodway and BFE in Zone A (2) EC			
					required prior to forming/pouring lowest floor and when			
					construction is completed (3) Developer must mitigate			
					downstream impacts (4) EC required prior to forming/pouring			
					lowest floor, when construction is completed and prior to CO			
Hunter's Creek Village	4	1	4	4	(5) Biggest problem is educating the public.	LFA is a CFM	4	
numer's Creek village	ı		•		(5) biggest problem is educating the public.	LFA IS a CFIVI		
					(1) Onsite and regional detention required (2) Hutchins -			
					encroachment comes from Dallas County Regulations (3) EC			
Hutchins	2	2	0	0	required when construction is completed and prior to CO. (4)	LFA is a CFM	2	
Tidioriirio	-	-	Ů	·	(1) Developer must conduct a study to define the floodway	El 71 lo d Ol W		
					and BFE in Zone A (2) Detention is required to mitigate the			
Hutto	1	2			impacts of a proposed project	LFA is a CFM	1	
	-				(1) Developer must conduct a study to define the floodway in			
					Zone A (2) Detention is required to mitigate the impacts of a			
					proposed project (3) Developer must mitigate downstream			
					impacts (4) Development in Zone X must be elevated above			
					fully developed BFE (5) EC required prior to CO (6) City is			
					creating a Storm Water Utility (7) City has adopted both iSWM			
					and SWMP (7) Biggest problem is a lack of plan to mitigate			
Hurst	0	1	1	0.5	floodprone structures.	LFA is a CFM	2	7
					(1) City utilized the 1987 San Patricio Drainage District Study			
					that established the 100-year flood elevation in the City (2)			
					New development must be +1' above BFE or +1' above crown			
					of nearest street whichever is higher. (3) Developer must			
					conduct a study, based on fully developed watershed			
					conditions, to define the BFE in Zone A (4) Onsite Detention			
					required, setback from Floodway and mitigation of			
					downstream impacts (5) Development in Zone X must be			
					elevated a minimum of +1' above the crown of closest road (6)			
					EC required prior to forming/pouring lowest floor; when			
la ala alda		,			construction is completed and prior to CO. (7) Biggest problem	1 EA :- OEM		
Ingleside	1	1	1	1	is coastal flooding and incomplete record keeping in the past	LFA is a CFM	1	-
Irving		2				LFA is a CFM	1	1

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		eived via Survey Mo		= Yellow Highlight				
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
-					(1) In Zone A, developer must conduct a study, based on fully			
					developed watershed conditions, to define the BFE. (2)			
					Developer is required to mitigate downstream impacts of a			
					proposed project. (3) EC required prior to forming/pouring			
					lowest floor; when construction is completed and prior to CO			
					(4) Biggest problem is educating local elected officials of the			
					need to adopt higher (more stringent) standards to mitigate			
Jackson County	1	1	0	0	flood risks	LFA is a CFM	1	
donoon county			•	•	(1) City has Zone V areas where no fill is allowed (2) EC is	LI / (IO d OI W	'	
					required prior to forming/pouring lowest floor and when			
					construction is completed.(2) Biggest problem is completing a			
Jamacia Beach		0	0	0	CAV			
amada Deadh	+	U	U	U	(1) Developer must conduct a study to define the floodway			+
					and BFE in Zone A based on fully developed watershed			
					conditions. (2) Developer must mitigate downstream impacts			
					(3) Development in Zone X must be elevated a minimum of 1'			
					above NG and above the crown of the nearest street (4) EC			
					required prior to forming/pouring lowest floor, when			
					construction is completed and prior to CO (5) Biggest problem			
					is ignorance of floodplain issues such as drainage			
asper	1	1	1	1	maintenance and floodplain permits	LFA is a CFM	1	
					(1) No rise allowed in Floodway (2) Detention is required (3)			
					EC required prior to forming/pouring lowest floor (2) Biggest			
efferson County		1	10"	10"	problem is enforcement	LFA is a CFM	1	
					(1) In Zone A, developer must conduct a study, based on fully			
					developed watershed conditions, to define the floodway and			
					BFE. (2) Detention, on-site and regional, is required to mitigate			
					the impacts of a proposed project. (3) No fill can be imported			
					into the floodplain (4) Developer must mitigate downstream			
					impacts (5) In Zone X (shaded) new construction must be			
					elevated a minimum of 18" above BFE and 1' above natural			
					grade or crown of nearest street (6) EC required prior to			
					forming/pouring lowest floor; when construction is completed			
					and prior to CO (7) Biggest problem is pushback from owners			1
ersey Village	1.5	1.5	1.5	1.5	that wish to improve more than 50% without elevating.	LFA is a CFM	1	
, ,								
					(1) Developer must conduct a study to define the floodway			
					and BFE in Zone A based on fully developed watershed			
					conditions. (2) Developer must mitigate downstream impacts			
					and setback from Floodway boundary (3) EC required prior to			
					framing/pouring lowest floor and when cosnstruction is			
					complete (4) H&H study required to replace large culverts (5)			
Johnson County	3	3	1.5	1.5	Biggest problem is building without a permit	LFA is a CFM	1	
Official County	3	<u> </u>	1.0	1,10	(1) In Zone A, developer must conduct a study to define the	EI A IS a OF IVI		
					floodway and BFE. (2) Detention is required to mitigate the			
					impacts of a proposed project. (3) EC required prior to			
lan antaum		4			forming/pouring lowest floor; when construction is completed	LEA is a CENA	4	
onestown	1	1	l	l	and prior to CO	LFA is a CFM	1	

	Standard Surveys rec Feet above			= Yellow Highlight			ı	1
City		Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
					(1) Developer must conduct a study to define the floodway and BFE in Zone A based on fully developed watershed conditions. (2) Detention is required to mitigate the impacts of a proposed project (3) Development in Zone X must be			
Kaufman	1	2	1.5	1.5	elevated a minimum of 1.5' above NG and above the crown of the nearest street (4) EC required prior to forming/pouring lowest floor and when construction is completed	LFA is a CFM	1	
					(1) Two feet of freeboard is required (2) In Zone A, developer must conduct a study to define the BFE and floodway based on existing and fully developed conditions (3) Developer must provide detention and mitigate downbstream impacts (4) In Zone X new development must be elevated a minimum of 2' above natural grade or above the crown of the nearest street			
Kaufman County	2	2	2	2	whichever is higher			
					(1) Onsite and regional detention required (2) EC required when construction is completed and prior to CO. (3) Biggest problem is two separate watersheds (Trinity & Brazos) with no enforcement options in either should someone violate the			
Keene	2	2	0	0	ordinance.	LFA is a CFM	2	
					(1) Developer must conduct a study to define the floodway and BFE in Zone A based on fully developed watershed conditions. (2) Detention is required to mitigate the impacts of a proposed project (3) EC required prior to CO (4) Two CFM's			
Keller	2	2			on staff.	LFA is a CFM	2	
Kemah		1.5	1.5	1.5	(1) City has successfully acquired flood prone properties using HMGP (2) Kemah evaluating if detention is feasible being a coastal community.	LFA is a CFM	1	8
Kemp		2					·	
Kendall County	0	0	0	0	(1) In Zone A, developer must conduct a study to define the BFE and map drainage areas greater than 100 acres (2) Detention required to mitigate the impacts of a proposed project. (3) Detention is required for all commercial development in SFHA (4) LOMR required for subdivisions in SFHA (5) EC required before framing/p[ouring lowest floor and after structure is complete (6) Biggest problem is Pre FIRM structures in Floodplain and Floodway  (1) Developer must conduct a study to define the floodway	LFA is a CFM	1	
Sennedale (	2	2	2	2	and BFE in Zone A based on fully developed watershed conditions. (2) Detention is required to mitigate the impacts of a proposed project (3) Detention required and developer must mitigate downstream impacts and setback from Floodway boundary (4) EC required prior to framing/pouring lowest floor, after construction is complete and prior to CO (5) Biggest problem is lack of funding	LFA is a CFM	1	
Kerr County	2	1	2	2	(1) Developer must conduct a study to define the BFE in Zone A areas. (2) EC required when construction is completed	LFA is a CFM	1	
Kerr County  Kerrville	1	1			(1) In Zone A, developer must conduct a study to define the floodway and BFE. (2) Detention may be required to mitigate the impacts of a proposed project. (3) EC required prior to forming/pouring lowest floor; after structure is complete and prior to CO. (4) Three CFMs on staff	LFA is a CFM	3	

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		ceived via Survey Mo		= Yellow Highlight			0/10/2010	
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Ratin
County Name	DI E	DI L	Street or Curb	Street or Curb	(1) In Zone A developer must conduct a study and define the	IS LI A a OI III :	Of W 3 Off Staff	Katin
					BFE and floodway (2) New construction in Zone AE must be			
					elevated a minimum of +2' BFE (2) EC is required at permit			
					application; prior to forming/pouring lowest floor and prior to			
(illeen		2	0	0	final inspection.	LFA is a CFM	7	
					City is proposing +2 ft above BFE along the floodplain with no			
					new development allowed in the floodplain unless an			
Cingsville		1			engineered study is provided showing no rise in FP			
					(1) Onsite detention is required for new construction. (2) No fill			
					is allowed in floodplain or floodway without mitigation. (3) EC			
					is required priorforming/pouring lowest floor, when			
					construction is complete and prior to CO. (4) Biggest problem			
_a Marque		2	2	2	is hurricanes			
					(1) Developer must conduct a study, based on fully developed			
					watershed conditions, to define BFE and Floodway in Zone A.			
					(2) Onsite and regional detention is required for new			
					construction. (3) No fill is allowed in floodplain or floodway			
					without mitigation. (4) Setback from floodway boundary is			
					required. (5) EC is required prior to framing/pouring lowest			
					floor; when construction is completed; and prior to CO. (5)			
					Biggest problem is People wanting to place fill in the flood			
					plain/ floodway. The City of La Porte is a bayside community			
.a Porte	1	1	1	1	accommodating major HCFCD channels with AE/VE zones.	LFA is a CFM	3	7
					(1) Developer must conduct a study, based on fully developed			
					watershed conditions, to define BFE and Floodway in Zone A.			
					(2) Detention is required for new construction. (3) No fill is			
					allowed in floodplain or floodway without mitigation. (4)			
					Setback from floodway boundary is required. (5) EC is			
					required prior to framing/pouring lowest floor; when			
					construction is completed; and prior to CO. (5) Biggest			
					problem is illegal enclosure of area below elevated structures			
.ago Vista	1	1	0	0	around Lake Travis	LFA is a CFM	1	
					(1) In Zone A developer must conduct a study to define BFE			
					and floodway (2) On-sirte detention is required (3			
					)Development in Zone X must be elevated 1' above natural			
					grade or crown of nearest street (3) EC is required when			
					construction is completed and prior to CO (4) Biggest problem			
_aGrange	0	0	1	1	is unpermitted development	LFA is a CFM	1	
ake Ransom Canyon		1			City of Lubbock provides technical assistance			
					(1) Developer must conduct a study to define the BFE and			
					floodway in Zone A areas. (2) Detention is required for new			
					development (3) EC required when construction is completed			
ake Shores	1	1	1.5	1.5	(4) Biggest problem is Poor drainage	LFA is a CFM	11	
					(1) Within Zone A, if no base flood elevation data is available,			
					new and substantially improved structures shall have the			
					lowest floor (including basement) elevated at least 2 ft. above			
					the highest adjacent grade.(2) EC required after construction			
_akeway		1			is completed.			

3/		

Higher S	tandard Surveys red	ceived via Survey Mo	nkey in 2018	= Yellow Highlight				
City or County Name	Feet above Fully Developed BFE	Feet above Existing BFE	Zone X(B) (Shaded) above street or curb	Zone X(C) (Unshaded) above street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	CRS Ratin
					(1) Detention and setback from Floodway Boundary is required for new construction. (2) Development in Zone X must be elevate a minimum of 24" above NG and above the crown of the nearest street (3) EC is required prior to framing/pouring lowest floor, when construction is completed			
_amarque	2	2	2	2	and prior to CO. (4) Biggest problem is submitting a CRS application (1) New construction in SFHA must be setback from floodway	LFA is a CFM	1	
_ampasses County		0	1	1	(1) New construction in SFFIA must be setback from floodway boundary (2) Development in Zone X must be elevated a minumum of 1' above NG and above the crown of the nearest street (3)	LFA is a CFM	1	
, ,					(1) Lowest floor must be elevated +1' BFE based on fully developed conditions (2) Detention is required to mitigate development in SFHA. (3) EC required before CO is issued. (4) Pre Development peak flows must be maintained. Downstream assessment is required using a 10% zone of			
_ancaster	1	*see notes			influence.	LFA is a CFM	1	
_aredo	1	1			(1) Developer must conduct a study, based on fully developed wathershed conditions, to establish BFE and Floodway in Zone A areas (2) Both onsite and regional detention required to mitigate development impacts (3) Developer must setback from Floodway boundary and mitigate downstream impacts.  (4) Ec required prior to placement/pouring lowest floor	LFA is a CFM	4	
_eague City	1.5	1.5	1.5		(1) All new construction must have a freeboard of 1.5 feet - above BFE in SFHA, above nearest adjacent BFE in shaded X zone, and 1.5' above highest natural grade or crown of street in X zone. (2) ECs are required at all 3 stages. (3) City is a norise community. (4) Cut and fill mitigation (grading) plan required. (4) Cumulative substantial improvements/damage over a 10-year period. (5) League City is a class 6 in CRS. (6) City has 9 CFM's on staff	LFA is a CFM	8	6
Leander	1	2	1	1	(1) Developer must conduct a study, based on fully developed wathershed conditions, to establish BFE in Zone A areas (2) Developer must construct detention, mitigate downstream impacts and setback from Floodway boundary (3) Biggest problem is educating the public	LFA is a CFM	1	
.eon County	1	1	1		(1) Developer must conduct a study, based on fully developed wathershed conditions, to establish BFE and Floodway in Zone A areas (2) Developer must mitigate downstream impacts (3) EC required prior to placement/pouring lowest floor, when construction is completed and prior to CO (4) Biggest problem is advertising the floodplain determination permit			
eon Valley	1	1	0	0				
evelland		0	l			1	1	

Higher S	tandard Surveys red	ceived via Survey Mo	nkey in 2018	= Yellow Highlight	<b>1</b>			
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	<b>Fully Developed</b>	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
					(1) Developer must conduct a study to define BFE and			
					Floodway in Zone A. (2) Detention is required for new			
					construction. (3) Developer must dedicate floofplain as			
					drainage ROW (4) Zone AE must be dedicated as a Drainage			
					R.O.W.for new development and if the property is being			
					platted. (5) City requires 100 year design for storm piping and			
					street capacity. (6) EC is required when construction is			
					completed and prior to CO. (7) Biggest problem is			
					maintenance issues on privately owned floodplains and single			
Lewisville		2	0	0	family subdivisions	LFA is a CFM	2	7
					(1) Developer must conduct a study to define the Floodway in			
					Zone A. (2) Detention is required for new construction. (3)			
					Developer must provide detention and mitigate downstream			
					impacts (4) EC is required prior to framing/pouring lowest			
					floor, when construction is completed and prior to CO. (5)			
Liberty	0	0	1	1	Biggest problem is educating the public	LFA is a CFM	1	
,					(1) New construction in Zone AE must be elevated a minimum			
					of +1' BFE (2) New construction in Zone X (shaded and			
					unshaded) must be elevated a minimum of 1.5' abve natural			
					grade or crown of the nearest street. (3) Developer must			
					conduct a study to define BFE and Floodway in Zone A. (4)			
					Detention is required for new construction. (5) EC is required			
					prior to forming/pouring lowest floor and after structure is			
Liberty County		1			completed.	Co Eng is a CFM	1	
Liberty County					(1) Developer must conduct a study to define BFE and	OO Eligio a Oi W	· ·	
					Floodway in Zone A. (2) Detention is required for new			
					construction. (3) No fill is allowed in floodplain or floodway			
					without mitigation. (4) Setback from Floodway is required (5)			
Little Elm	0	0	1.5	1.5	EC is required prior to framing/pouring lowest floor.	LFA is a CFM	2	
Little Liiii		•	1.0	1.0	(1) Developer must conduct a study to define BFE in Zone A.	LI / (IO G OI W	-	-
					(2) Onsite and regional Detention is required for new			
					construction. (3) Developer must offset from Floodway			
					boundary and mitigate downstream impacts (4) No fill is			
					allowed in floodplain or floodway without mitigation. (5) In Zone			
					X new construction must be elevated to street level (6) EC is			
					required prior to forming/placement of lowest floor and prior to			
Live Oak County	4	4	4	4	CO. LFA is a CFM.	LFA is a CFM	4	
Live Oak County	'	1			Live Oak is CRS 7	LFA IS a CFIVI	1	7
LIVE Oak		ı			(1) Developer must conduct a study to define impact in		<u>'</u>	+ '
					Floodway and detention may be required. (2) Development in			
					Zone X must be elevated a minimum of +1 above NG. (3) EC			
					required prior to forming, when structure is completed an			
Llono		4	1	1	before CO.	LFA is a CFM	1	
Llano		ı		· ·	(1) No windows, doors or lighting in structures with level below	LFA IS a CFIVI		+
					BFE; (2) Elevation Certificates required prior to			
					forming/pouring lowest floor, when construction is completed			1
					and prior to CO. (3) Developer is required to perform a study			
					and define BFE in Zone A. (4) Pre-FIRM structures below BFE			
					cannot be enlarged (footprint) even if not substantual			
		_			improvement. (5) Fill must be compacted to 95% Proctor.		1 _	
Llano County	2	2			(6)Two CFMs on staff		2	-
Log Cabin		3			EC required when construction is completed		1	

### TFMA 2018 Higher Standards Survey (Freeboard = Finished Floor Elevation above BFE)

3/13/2018
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City		ceived via Survey Mo		= Yellow Highlight				
	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CR
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Ratir
-					(1) new construction must be elevated +2 feet in zone AE and			
					+0.5 feet above surrounding grade in Zone X (3) Study			
					required to define BFE and floodway in Zone A areas (4) EC			
					required prior to forming/pouring lowest floor and when new			
					construction is completed. (5) Developer's engineer required			
					to certify adequate drainage capacity is available or provide			
		2	0.5	0.5	detention.	LEA is a CEM	4	
ongview			0.5	0.5	detention.	LFA is a CFM	l l	
					(1) Lubbock has many Playa Lakes floodplains that must be			
					treated as lakes not riverene floodways The lowest floor of			
					new construction must be a minimum of 1' above crown of			
					nearest street. In playa lake areas: new development must be			
					elevated (a) a minimum of 1' above the BFE; (b) a minimum of			
					2' above the lake overflow or (c) a minimum of 1' above the			
					500-year level if the playa does not overflow during the 500-			
					year event (2) Developer must conduct a study to establish			
					new BFE's in Zone A's (3) In established subdivisions new			
					construction must be elevated a minimum of 1' above BFE (3)			
					In new subdivisions construction must be elevated a minimum			
					of 0.5' based on fully developed watershed conditions (4) (5)			
					City requires NAI regarding floodways = 0.0000'rise (5) In			
					Zone X new development must be elevated a minimum of 1'			
					above natural grade or above the crown of the nearest street			
					Drainage analysis, based on fully developed watershed			
					conditions, is required for all new development (7) EC required			
					before forming/pouring lowest floor and prior to CO. (8)			
					Biggest problems are: SI/SD determinations; educating			
ubbock	1	1	1	1	citizens and defending poor FIRM's.	LFA is a CFM	4	7
					(1) Developer must conduct a study to define BFE and			
					Floodway in Zone A.(2) Development in Zone X must be			
					elevated a minimum of 1' above natural grade or crown of			
ubbock County		4	4	4	nearest street.	LFA is a CFM	1	
ubbock County					Developer must conduct a study to define BFE and Floodway	LFA IS a CFIVI	<u> </u>	_
	1	1			in Zone A.	1	1	
ufkin								
ufkin Madison County Malakoff		2			EC required when construction is completed			_

3/		

		ceived via Survey Mo		= Yellow Highlight			•	
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Ratin
					(1) Developer must conduct a study, based on fully developed			
					watershed conditions, to define the BFE in Zone A areas (2)			
					City has FEMA approved Flood and all-hazards Mitigation			
					Plans (3) City has developed a Repetitive Loss Plan.(4) EC is			
					required prior to forming/pouring lowest floor (5) City requires			
					erosion setback adjacent to channels (6) City has adopted the			
					NCTCOG iSWM Drainage Criteria Manual (7) Earthen			
					channels must be constructed with 1' freeboard for 100-year			
					flood flow and have 4:1 erosion setback brom bottom of			
					channel (minimum of 10' set back from top of bank) (8)			
					Detention is required to mitigate any fill in floodplain and			
					floodway (9)CLOMR required for fill in Floodway (10) City has			
					successfully acquired nine properties using acquisition funding			
					(11) Ultimate development studies completed on all FEMA			
					channels in the City. (12) EC required for subdivisions that			
					have fginish floors designated on Plat(13) Biggest problems are upgrading infrastructure and dealing with TxDOT			
1ansfield	2	3	0	0	regarding drainage design standards	LFA is a CFM	2	
iansneiu	2	3	U	U	regarding drainage design standards	LFA IS a CFIVI	2	
					(1) New construction must be elevated +2' above BFE. (2)			
					Developer most sumbit a study establishing the BFE and			
					floodway in Zone A. (3) Any development in the floodway must			
					include a "no rise" certificate. (4) No critical facilities allowed in			
					the 500-year floodplain (5) No enclosures below the BFE. (6)			
					New construction in Zone X (shaded) must be elevated +2'			
					above natural grade or crown of the nearest street. In Zone X			
					(unshaded) the requirement is +1.5' above natural grade or			
					+1' above the crown of the nearest street, whichever is higher.			
					(7) Detention is required to offset the impacts of proposed			
					development. (8) EC required prior to forming and pouring			
					lowest floor; after construction; and prior to CO. (9) Biggest			
					problem is the Gulf Coast Water Authority has an elevated			
					irrigation canal that causes much of our City to be in a			
lanvel		2	2		floodplain, as it blocks the natural flow of water.	LFA is a CFM	2	
				studies required in un-numbered A for BFE and floodway/ no	<del></del>			
					fill allowed in floodway without mitigation/ EC required at			
					permit, prior to foundation, at completion and prior to CO/			
larble Falls		1			interested in CRS/ FPA is CFM	LFA is a CFM	1	
					(1) Developer must conduct a study to define the BFE and			
					detention may be required. (2) New construction in Zone X			
					(shaded) must be elevated a minimum of 2 feet above natural			
					grade or above the crown of the nearest street. (3) EC			
					required prior to forming or pour lowest floor, when structure is			
lartindale		0	2	2	completed and before CO.	LFA is a CFM	1	

Higher S	Standard Surveys red	ceived via Survey Mo	nkey in 2018	= Yellow Highlight	ŕ			
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
					(1) New development must be elevated a minimum of +2'			
					above BFE. (2) No development allowed in the Floodway			
					without an engineering study showing 0.00' rise (3) in Zone A			
					the developer must conduct a study to define the BFE and			
					Floodway before permit issued. As a minimum the new			
					development must be 2' above natuiral grade. (4) +1'			
					Freeboard required within unaccredited Town of Matagorda			
					Levee (5) Developer must setback from Floodway boundary			
					(6) EC required before forming/pouring lowest floor, when			
					structure is completed and prior to final electric connection (7)			
					Piling and breakaway wall certification required for			
					construction in Zone VE (8) County has adopted cumulative			
					substantial improvement ordinance requiring cumulative for a			
					minimum of 5 years. (9) County has FEMA approved all-			
					hazards and Flood Mitigation plans. (10) Problem is educating			
Matagorda County	0	2			the public		1	
Maybank		3			EC is required when construction is completed			
					(1) Developer must conduct a study, based on fully developed			
					watershed conditions, to define the BFE and floodway. (2)			
					Detention is required if erosive or capacity conditions exist			
					downstream (3) Developer must mitigate downstream impacts			
					(4) No net loss of valley storage allowed (5) Minimum finish			
					floor must be shown on all Plats adjacent to the floodplain (6)			
					EC required for CO (7) Problem protecting and rehabilitating			
McKinney	2	*see notes	2	2	NRCS structures/lakes	LFA is a CFM	5	
					(1) Developer must conduct a study, based on fully developed			
					watershed conditions, to define the BFE prior to permit in Zone			
					A. (2) Detention is required (3) Developer must mitigate			
					downstream impacts (4) EC required when construction is			
					complete (7) Problem is studies by universities and others that			
McLennan County	1	1	0	0	do not agree with FEMA/FIS	LFA is a CFM	1	
					(1) Developer must conduct a study to identify BFE and			
					Floodway boundary in Zone A (2) In Zone X, new construction			
					must be elevated 1.5' above natural grade or crown of nearest			
					street. (3) EC required: before construction begins; when			
					forms are in place (but before pour); after foundations			
					complete; and prior to CO (4) No Rise certificate required for			
Meadowlakes	1	1	1.5	1.5	Floodway development	LFA is a CFM	1	
					(1) Developer must conduct a study to define BFE and			
					floodway in Zone A prior to permit (2) On-site detention is			
					required for new construction. (3) Developer must mitigate			
					downstream impacts (4) 18" Freeboard required in all zones			
					(4) EC is required prior to forming/pouring lowest floor and			
					when construction is completed. (5) Biggest problem is County			
Medina County	1	1	1.5	0	has numerous unstudied streams	LFA is a CFM	1	
					(1) Developer must conduct a study, based on fully developed			
					watershed conditions, to define the BFE and floodway. (2)			
					Detention is required (3) Developer must mitigate downstream			
					impacts and setback fro Floodway boundary (4) EC is required			
					prior to forming/pouring lowest floor, when construction is			
					completed and prior to CO (7) Problem is new development in			
Melissa	2	2	1	1	Zone X		1	
				<u> </u>	2011077			

City	Standard Surveys rec Feet above	Feet above	Zone X(B)	= Yellow Highlight Zone X(C)				
•		Existing	(Shaded) above	(Unshaded) above				CRS
or	Fully Developed		` '	, ,			05111	
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Ratin
/lesquite	2	2' (see notes)	2	1	(1) Mesquite uses BFEs based on fully developed watershed	LFA is a CFM		
					conditions. (2) Mesquite requires developer to do an ultimate			
					development (built out) model and keep finish floors 2' above			
					this elevation. (3) Development in Zone X must be elevated a			
					minimum of 2' in X shaded and 1' in X unshaded (4) On-site			
					detention is required when site exceeds 10 acres (5) No fill is			
					allowed in FP or FW without mitigation-no adverse impact (5)			
					EC required prior to placing/pouring lowest floor and prior to			
					CO (6) Two CFMs on staff.			
					CO (b) Two Crivis on Stall.		2	
					Discourse I second file an accord has a 41 above a conflow allowed in a second			_
					Playas Lowest floor must be +1' above overflow elevation or			
					BFE whichever is higher. No import of fill is allowed in Playas.		_	
Midland		1			This is difficult to enforce. Midland is CRS 8		1	8
					City recently revised the ordinance to require new construction			
Midlothan		2			to be elevated a minimum of 2' above BFE			
Mills County		0						
		<del></del>			(1) Developer must conduct a study to define the BFE and			
					detention may be required. (2) New construction in Zone X			
					must be elevated a minimum of 1.5 feet above natural grade			
					or above the crown of the nearest street. (3) EC required for			
					all new construction regardless of Zone and prior to forming,			
					when structure is completed and before CO. (4) Missouri City			
					is CRS 7 (4) City utilizes NAVD 1988 for EC's and new			
Missouri City	1	4	1.5	1.5	construction.	LFA is a CFM	4	7
VIISSOUTI CITY	!		1.0	1.0	CONSTRUCTION.	LFA IS a CFIVI	<u> </u>	
					(1) Developer must conduct a study, based on fully developed			
					watershed conditions, to define the BFE and floodway in Zione			
					A areas. (2) Detention is required. (3) New construction in			
					Zone X must be elevated a minimum of 1.5 feet above natural			
					grade or above the crown of the nearest street. (4) EC			
					required prior to forming/pouring lowest floor; when			
Mont Belvieu	2	2	1.5	1.5	construction is completed and prior to CO.	LFA is a CFM	1	
					(1) Developer must conduct a study to define BFE and			
					Floodway in Zone A. (2) Detention is required (3) EC is			
					required prior to framing/pouring lowest floor, when			
					construction is completed and prior to CO (3) Biggest problem			
MontgomeryCounty	1	1	0	0	is unpermitted development throughout the county		3	
Nacogdoches		1	- U		is unpolitition development unoughout the county		3	
		2			Nassau Bay is CRS 7		1	7
Nassau Bay	+				INASSAU DAY IS UNO 1		<u> </u>	+
					(4) Developer must conduct a study based on fully developed			
					(1) Developer must conduct a study, based on fully developed			
					watershed conditions, to define the BFE and Floodway (2)			
					Detention is required. (3) New construction in Zone X must be			
					elevated a minimum of 1' above natural grade or above the			
					crown of the nearest street (4) EC required prior to			
					forming/pouring lowest floor; when construction is completed			
Nederland	1.5	1.5	1	1	and prior to CO. (3) One CFM on staff	LFA is a CFM	1	
1.0					(1) Developer must mitigate downstream impacts (2)			
					Detention is required. (3) EC required when construction is			
					completed and prior to CO. (4) City developed Drainage			
New Braunfels		2			Criteria Manual.(5) Biggest problem is flash flooding	LFA is a CFM	5	6
NOW DIAUTIES			1	+	(1) Developer must mitigate fill placement. (2) Onsite	LI A IS A UFIVI	υ	U
					detention required (3) EC required prior to forming/placing			
	1		i	I	lowest floor and prior to CO (3) Biggest problem is power			
Newton County	1	1	0	0	company connecting unpermitted development	LFA is a CFM	1	

Higher Standard Surveys received via Survey Monkey in 2018 = Yellow Highlight					,			
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
					(1) Developer must conduct a study to define BFE in Zone A before permit is issued (2) FF must be 2.0' above BFE. (3) CLOMR/LOMR required for all Zone "A" floodplain, subdivisions 5 acres and larger located in Zone "AE", and subdivisions with any proposed improvements in the floodway. (4) A separate ordinance governs Little Bear Creek which specifies no rise in ultimate BFE. (5) Developer must provide onsite detention and mitigate downstream impacts (6) In Zone X lowest floor must be 1' above curb at CL of lot or 1.5' above BFE whichever is higher (7) Two Elevation Certificates are required during construction - (1) with form board survey and (2) prior to issuance of CO. (8) Biggest problems is waiting for			
					the RAMPP Team to release the new FIS/FIRMs. They have			
North Richland Hills		2'	1'	1'	been pending for 4+ years	LFA is a CFM	2	6
Nueces County	1	1	1	1	(1) Fill placed in floodplain/floodway must be mitigated.(2) Onsite detention required (3) EC required prior to forming/pouring lowest floor and when structure is completed.(4) Biggest problem is staffing		-	
Oak Ridge North		1	1	1	(1) Developer must conduct a study to define the BFE and Floodway (2) Detention is required (2) EC is required prior to forming/pouring lowest floor and when construction is completed (3) Biggest problem is substantial improvements to Pre-FIRM structures	LFA is a CFM	4	
Odessa		1	1		(1) Developer must conduct a study to establish both BFE and floodway in Zone A areas (2) Detention is required to mitigate development. (3) Developer must mitigate downstream impacts. (4) Development in Zone X must be elevated a minimum of 1' above NG and above the crown of the nearest street (5) EC required after construction is completed and prior to CO. (6) Biggest problems are determining the BFE for unnumbered A zones in already developed areas and localized floofding	LFA is a CFM	4	7
Orange County		0	18" see notes	18" see notes	(1) Developer must conduct a study to define BFE and floodway in Zone A prior to permit (2) Floodway setback is required (2) On site detention and setback from Floodway is required (3) In Zone X the County recommends elevating 18" to 24" above the crown of the nearest road (3) EC is required prior to forming/pouring lowest floor; when construction is completed; and prior to CO.	LFA is a CFM	3	
					(1) EC required prior to pouring lowest floor; when structure is			
Palacios		1			complete; and prior to CO (2) City has FEMA approved all- hazard and Flood Mitigation Plans	LFA is a CFM	1	1
					(1) Developer must conduct a study to define BFE and Floodway in Zone A. (2) No fill is allowed in floodplain or floodway without mitigation (NAI) (3) Onsite and regional detention required (4) Developer must mitigate downstream impacts and setback from floodway boundary (5) EC is required prior to forming/pouring lowest floor, when construction is completed and prior to CO. (6) Biggest problem			
Palestine		1	0.5	0.5	is maintenance of culverts and channels in residential areas.	LFA is a CFM	1	
Pantego	1	2	ļ	1	New NEID Community			+
Paradise		2	1	1	New NFIP Community			

Higher S	Standard Surveys red	ceived via Survey Mo	nkey in 2018	= Yellow Highlight	1			
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
Parker County		2	2	2	(1) Developer must conduct a study to define BFE and Floodway in Zone A. (2) No fill is allowed in floodplain or floodway without mitigation (NAI) (3) Onsite and regional detention required (4) Developer must setback from Floodway boundary and mitigate downstream impacts (5) Engineering study required to show no rise in BFE due to development (6) Development in Zone X must be elevated a minimum of 2 above NG or above the crown of the nearest street (7) EC is required prior to forming/pouring lowest floor, when construction is completed and prior to CO.	LFA is a CFM	1	
					(1) In Zone A developer must conduct a study to define BFE and floodway (2) One foot above the base flood elevation (BFE) for properties within the floodplain -Zone AE and (3) one foot above the centerline or crown of the neighboring street for properties outside the floodplain - Zone X. (4) Detention is required for any development of property with more than 1 acre in size to mitgate the impact of fill/development.(5) City follows Harris County Flood Control District's Design Criteria manual requiring on-site and regional detention and mitigation of downstream impacts. (6) EC required prior to framing/pouring lowest floor; when construction is completed; and prior to CO.(7) EC is also required in all Zone X areas. (8) Pasadena has 4 CFM's on staff. (9) Biggest problem is lack of			
Pasadena	1	1	1	1	funding to mitigate floodprone properties		4	5
Payne Springs		3			EC required when construction is completed			
Pearland		1			Pearland is CRS 7	LFA is a CFM	1	7
Pflugerville		0			City is CRS 7	2.71.0 4 01 111	1	7
Pinehurst Planeview	0	0	0	0	(1) Developer must conduct a study and define the BFE and flooway in Zone A (2) Onsite detention required (3) EC required prior to forming/pouring lowest floor, when structure is completed and prior to CO (5) biggest problem is education of developers and public	LFA is a CFM	1	
Plano Point Blank	2	2	2	2	(1)Developer must conduct a study, based on fully developed watershed conditions, to identidy BFE and Floodway (2) Detention is required for new construction. (3) Developer must setback from Floodway andmitigate downstream impacts (4) No residential construction allowed in floodplain (5) EC is required prior to forming/pouring lowest floor and when construction is completed. (6) City buying out properties that were in flood plain where possible. (7) Biggest problem is flood awareness (1) Developer must conduct a study to define BFE and Floodway in Zone A. (2) EC is required prior to forming/pouring lowest floor and prior to CO.	LFA is a CFM LFA is a CFM	4	5
Point Venture	1	1	1	1	(1) Regional detention is required (2) EC is required prior to forming/pouring lowest floor, when construction is completed and prior to CO.			

Higher S	Standard Surveys red	ceived via Survey Mo	nkey in 2018	= Yellow Highlight	,			
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
-					(1) Developer must conduct a study to define BFE in Zone A			
					(2) On site detention and setback from floodway boundary			
					required. (3) Areas around Lake Livingston in Zone A requires			
					EC. (4) County permits are withheld until EC has been			
					submitted. (5) Electric service cannot be purchased until			
					County has determined if property is in SFHA (6) Polk County			
Polk County		1			has 1 CFM on staff.	LFA is a CFM	1	
1 om county		·			(1) City is a Zone V community (2) EC required before	217710 4 01111	·	
					framing/pouring lowest floor and prior to CO (3) Biggest			
Port Aransas	1	1	0	0	problem is hurricanes	LFA is a CFM	2	
1 Off Alamsas	-				(1) Developer must conduct a study to define BFE and	LI A IS & OI W	2	+
					Floodway in Zone A. (2) Detention is required for new			
					construction. (3) EC is required prior to forming/pouring			
					lowest floor, when construction is completed and prior to CO.			
D ( A ()						1511 0511		
Port Arthur		1	0	0	(4) Biggest problem is staffing	LFA is a CFM	3	9
					(1) Developer must conduct a study to define BFE and			
					Floodway in Zone A. (2) Detention is required for new			
					construction. (3) EC is required when construction is			
Randall County	3	3			completed and prior to CO.			
					(1) Developer must conduct a study to define BFE in Zone A.			
					(2) Detention is required for new construction. (3) Developer			
					must setback from Floodway and mitigate downstream			
					impacts (4) New construction in Zone X must be elevated a			
					minimum of 2' above natural grade or crown of nearest street.			
					(4) EC is required prior to forming/pouring lowest floor, when			
Raymondville	1	1	2	2	construction is completed and prior to CO.	LFA is a CFM	1	
Regugio County	0	0	2	2				
					(1) Developer must conduct a study to define BFE in Zone			
					A.(2)Developer must mitigate downstream impacts (3)			
					Detention may be required (4) Manufactured homes must be			
					elevated +2' above fully developed BFE (5) City has adopted			
					IBC 2015 (6) Fence permits required. Fences not allowed in			
					Floodway and restricted in SFHA (7) Developetr must setback			
					from floodway boundary (8) City regulates overflow at low			
					point in lots. (9) No rise in BFE is allowed (10) EC is required			
					when construction is completed and prior to CO (11) Biggest			
					problems are redeveloping with existing drainage problems;			
Richardson	2	2	1	1	undersized downstream capacity and channel erosion	LFA is a CFM	3	7
Monaruson	2				and one of the state of the sta	LI A IS a CI IVI	3	
					(1) Developer must conduct a study to define BFE and			
					Floodway in Zone A. (2) Detention, mitigation of downstream			
					impacts, and Floodway setback is required for new			
					construction. (3) New construction in Zone X must be elevated			
					a minimum of 1.5' above natural grade or crown of nearest			
					street. (4) Mobil homes must be elevated so that the bottom of			
					horizontal structural members are above BFE (5) EC is			
					required prior to forming/pouring lowest floor, when			
Richmond	1.5	1.5	1.5	1.5	construction is completed and prior to CO.	LFA is a CFM	1	(*)

Higher S	tandard Surveys red	eived via Survey Mor	nkey in 2018	= Yellow Highlight				
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
					(1) Developer must conduct a study to define BFE and			
					Floodway in Zone A. (2) New development is encouraged to			
					be elevated +2' above BFE (3) EC is required when			
					construction is completed and prior to CO. (4) Richland Hills			
					has a FEMA approved all Hazards Mitigation Plan (5) Biggest			
					problem is large number of Pre-FIRM structures in community			
					experiencing higher flood insurance premiums due to BW12			
Richland Hills		1	0	0	and HFIAA			8
					(1) Detention is required (2) EC required prior to CO (3)			
					Biggest problems are: transitioning to higher floodplain			
					management srandards; resistance to freeboard requirements			
Rockport	0	1.5	1	1	; and historic waterfront structures downtown	LFA is a CFM	1	
					(1) Developer must conduct a study to define BFE and			
					Floodway in Zone A. (2) Detention and mitigating downstream			
					impacts is required for new construction. (3) EC is not			
Deelevell		0	2	0	required (4) Biggest problem is building or rebuilding on	154 in a OFM	4	
Rockwall	2	2	0	0	vacant lots and fences in SFHA	LFA is a CFM	1	
					(4) Develop the state of the develop of			
					(1) Developer must conduct a study, based on fully developed			
					conditions, to define BFE in Zone A. (2) Developer must mitigate downstream impacts and set back fro floodway (3)			
David David	2	2	0	0	Biggest problem is floodplain encrochment	LEAS- OFM	4	
Round Rock	2		U	U	(1) Developer must conduct a study to identify BFE and	LFA is a CFM		
					floodway in Zone A. (2) New construction in Zone X Shaded			
					must be elevated a minimum of 2 feet above NG or nearest			
					street. (3) Detention is required except for lots in excess of 1			
					acre or proof submitted that no negative impact on the existing			
					storm drainage system (4) Floodway setback is required for			
					new development (5) Builders required to submit a Lot			
					Grading Plan as part of permit request. (6) Survey or EC is			
					required prior to pouring lowest floor of new construction. (7)			
					EC required when structure is completed and prior to CO. (8)			
					As Built sealed by a RPLS is required when structure is			
Rowlett		2	2	2	completed	LFA is a CFM	1	
		=	-		(1) Developer must conduct a study to define BFE and			1
					Floodway in Zone A for both existing and fully developed			
					conditions. (2) Detention is required for new construction. (3)			
					EC is required prior to forming/pouring lowest floor; when			
Royce City	2	2			construction is completed and prior to CO.			
					(1) Detention is required (2) EC required prior to			
Sachse		2			forming/pouring lowest floor	LFA is a CFM	1	
Saginaw		2			EC required when construction is completed			
					(1) Developer must conduct a study to define BFE in Zone A			
					(2) Detention is required for new construction. (3) Fill cannot			
					be used to reclaim any area in SFHA or Floodway (4)			
					Developer must mitigate downstream impacts (5) EC is			
					required prior to forming/pouring lowest floor; when			
					construction is completed and prior to CO. (6) Biggest problem			
					is property owners wanting to fill within the floodplain to			
Saledo		0	2	2	construct new residential improvements.	LFA is a CFM	1	
San Angelo		1			Lowest Floor elevated +1' above BFE on FIRM			

City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Ratir
County Hame	2. 2		0001 0000	CLI CCI CLI CLI D	(1) Developer must conduct a study to define BFE and	10 2171 0 01 1111	G G G.: Gta.:	
					Floodway in Zone A (2) No habitable structures allowed in			
					floodplain (3) Non-residential structures in floodplain and			
					adjacent to floodplain must be elevated +1' above ultimate			
					development BFE (4) Reclamation of floodplain is not allowed			
					when drainage area is greater than 320 acres (5) Ponding			
					depth in parking lots in SFHA cannot exceed 6 inches (6) City			
					acquires Repetitive Loss structures and structures that have			
					been substantial damaged (7) New DFIRMs will show			
					floodplain boundaries based on ultimate development (8) City			
					enforces cumulative building addition and substantial			
					improvements over a 10-year period (9) All development must			
					demonstrate no adverse flooding impact to 2000 feet			1
					downstream of development (10) Detention required to			
					mitigate adverse impacts (10) EC required when constructi(on			
					is complete and prior to CO (11) Biggest problem is regional			
an Antonio		2			and localized flooding	LFA is a CFM	6	
					(1) Developer must conduct a study, based on fully developed			
					watershed conditions, to define BFE and floodway in Zone			
					A.(2) City requires onsite detention (3) EC required prior			
					forming/pouring lowest floor (4) Biggest problem: development			
anger	2	2	2	4	encroching on SFHA	LFA is a CFM	4	
anger	2			<u> </u>	(1) Developer must conduct a study to define BFE and	LFA IS a CFIVI	'	_
					(1) Developer must conduct a study to define BFE and			
					Floodway in Zone A. (2) Developer must setback from			
					floodway bopundary (3) County requires Elevation Certificate			
					prior forming/pouring lowest floor 94) Biggest problem: CFM			
an Jacinto Co.	2	2	0	0	needed to administer the program		0	
					(1) Developer must establish BFE and floodway boundary in			
					Zone A (however the only Zone A areas are unpopulated) (2)			
					Detention is required (3) City requires Elevation Certificate			
					prior forming/pouring lowest floor; when construction is			
					completed and prior to CO. (4) San Marcos is CRS 7; Four (4)			
M		4				LEA is a CEM		_
an Marcos		1			CFM's on staff	LFA is a CFM	4	7
					San Patricio County requires all development, regardless of			
					zone, to be elevated a minimum of 18" above NG. (1)			
					Developer must conduct a study, based on fully developed			
					watershed conditions, to define BFE and Floodway in Zone A.			
					(2) Detention is required for new construction. (3) Developer			
					must setback from Floodway and mitigate downstream			
					impacts (NAI) upstream and downstream. (4) Development in			
					Zone X must be elevated a minimum of 18" above NG or the			
					crown of the nearest street (5) EC is required when			
					construction is completed and prior to CO. (6) Biggest problem			
an Patricio Co.	1.5	1.5	1.5	1.5	is citizen compliance with Court Orders	LFA is a CFM	3	
					(1) Developer must conduct a study to define BFE and			1
					floodway in Zone A. (2) EC required prior to framing/pouring			ı
					lowest floor (3) Biggest problem is enforcing the Court Order			ı
an Saba County		0			with minimal penalties	LFA is a CFM	1	1
an Caba County					(1) Developer must conduct a study to define BFE and	ZI / NO G OT IVI	<u>'</u>	+
								1
					floodway in Zone A. (2) Detention is required (3) EC required	154: 051:	1	
anta Fe	1 1	1	I		when construction is completed and prior to CO	LFA is a CFM	1	1

Higher S	tandard Surveys red	ceived via Survey Mor	nkey in 2018	= Yellow Highlight				
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
					(1) Developer must establish BFE in Zone A (2) Developer must mitigate downstream impacts and setback from floodway boundary (3) City has adopted cumulitave loss requiremnent (4) City requires Elevation Certificate prior forming/pouring lowest floor; when construction is completed and prior to CO.			
Schertz		1	0	0	(4) Biggest problem: City needs feunding for a LFA dedicated to the FPM program	LFA is a CFM	7	
SCHEILZ		<u>'</u>	0	U	(1) Developer must conduct a study to define BFE and Floodway prior to permit (2) New construction in Zone X must be elevated a minimum of 1.5' above the adjacent A Zone BFE (2) No fill alllowed in floodway. (3) City requires Elevation Certificates prior forming/pouring lowest floor; when construction is completed and prior to CO. (4) Biggest	LFAISACFM	/	
Seabrook		1.5	BFE + 1.5'	BFE + 1.5'	problem: Pre FIRM structures below BFE	LFA is a CFM	4	7
Seagoville		2			EC required when construction is completed			
Sealy	1	1	1.5	1.5	(1) New construction must be elevated: +1' above BFE; 12" above curb; or 18" above natural grade whichever is higher. (2) Developer must conduct H&H study to defibne BFE in Zone A. (3) Detention is required to mitigate the impact of development in SFHA. (4) New construction in Zone X must be elevated a minimukm of 18" above NG or 12" above curb whichever is higher. (5) EC required prior to forming/pouring lowest floor; after construction and prior to CO.(6) "Zero Rise" downstream of development in Allen's Creek watershed. (7) City has GIS mapping available on line.	LFA is a CFM		
Seguin	1	1	1		(1) Developer must conduct a study to define BFE and Floodway in Zone A for both existing and fully developed conditions. (2) Detention is required for new construction. (3) Developer must mitigate downstream impacts and offset from floodway boundary (4) Fences constructed in Floodway must be breakaway and cabled to prevent floating away (5) EC is required prior to forming/pouring lowest floor; when construction is completed and prior to CO. (6) City offers FPM training for contractors (7) Biggest problem: substantial improvement to structures in the floodway		3	
O a law a		0			(1) Detention is required (2) EC required prior to forming/pouring lowest floor, when construction is completed and prior to CO (3) Biggest problem is recordkeeping	LEA is a OFM	_	
Selma Seven Points		<u>0</u> 3	1		and prior to CO (3) biggest problem is recordiceeping	LFA is a CFM	1	+
Shephard		0			(1) Developer must conduct a study to define BFE in Zone A prior to permit (2) EC is required prior to forming/pouring lowest floor and prior to CO.	LFA is a CFM	1	
Sherman	2	2	0	0	(1) Developer must conduct a study to define BFE in Zone A prior to permit (2) On-site detention is required for new construction. (3) No fill is allowed in SFHA without mitigation (4) EC is required prior forming/pouring lowest floor. (5) Bigget problem is funding	LFA is a CFM	2	

City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
					Chaniel Notes	In LEA & CEMO	CEMIa an atall	
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Ratin
					(1) Shoreacers is a coastal community (2) Non-city structures			
					must be elevated +2' above BFE. (3) City structures and			
					projects must be elevated +3' above BFE. (4) The entire city is			
					either Zone AE or VE and no Zone X areas. (5) City identified			
					a Storm Surge Zone" where no fill without a special permit and			
					structurs must be built to Zone V standards (6) No			
					construction on fill allowed (7) EC required prior to			
					framing/pouring lowest floor; when construction is completed;			
Shoreacres		2	NA	NA	and prior to CO.	LFA is a CFM	1	9
						Pending change -		
						Elevation Certificates		
						will be required - before		
						pour or lowest floor		
						framed in and after		
Cina a mata m		4	1	1		construction.		
Simonton	1	1	Т	1	higher. Elevation Certificate is required after construction.	CONSTRUCTION.		-
Slaton		1			City of Lubbock provides technical assistance			
					(1) Onsite detention required - No fill in floodplain or floodway			
					without mitigation. (3) Developer must mitigate downstream			
					impacts and setback from the floodway boundary (4) EC is			
					required prior to forming/pouring the lowest floor, when			
					construction is completed and prior to CO. (5) Biggest problem			
Smith County		2	2	2	is politics and backing county staff.	LFA is a CFM	2	
		_			(1) Developer must conduct a study (existing and fully			
					developed conditions) to define the BFE and floodway in Zone			
					A prior to permit (2) On-site detention is required for new			
					construction. (3) No fill is allowed in SFHA without mitigation			
0 411					(4) No fill allowed in floodway (5) Developer must mitigate	154: 054		
Southlake	2	2	0	0	downstream impacts of development	LFA is a CFM	3	
Southside Place		0			1 or 1.5			
					(1) Developer must conduct a study to define BFE in Zone A.			
					(2) City must comply with HCFCD higher standard			
					requirements (3) No fill in floodplain or floodway without			
					mitigation. (3) New construction in Zone X must be elevated a			
					minimum of 1.0' above natural grade or crown of nearest			
					street. (4) EC is required before framing/pouring lowest floor;			
Spring Valley		1 1	1	1	when construction is completed; and prior to CO.	LFA is a CFM	1	
pring valicy	+	'	'		(1) Critical Facilities must be elevated 3' above the BFE or to	LIABAOIW	r	+
Stafford		1.5			the 500-year flood elevation whichever is higher.			
Star Harbor	-	3						-
olai Häidui	+	3			EC required when construction is completed			-
					(1) Developer must conduct a study to define BFE in Zone A.			
					(2) No fill in floodplain or floodway without mitigation			
					(detention). (3) New construction in Zone X must be elevated			
					a minimum of 1.0' above natural grade or crown of nearest			
					street. (4) EC is required before framing/pouring lowest floor			
Stephenville		0	1	1	and prior to CO.	LFA is a CFM	2	
					(1) Developer must conduct a study, based on fully developed			
		1' above top of curb			watershed conditions to define floodway in Zone A (2)			
		or 1' above elevation			Developer must provide onsite detention and mitigate			
Sugarland		in front of house	1.5	1.5	downstream impacts (3) EC required prioring to			
ougananu			1.5	1.0				
		whichever is greater,			framing/pouringb lowest floor (4) Sugarland is a FEMA			
		regardless of BFE			Cooperative Technical Partner (CTP) (5) Biggest problem:			
					overlapping authority with LID's	LFA is a CFM	4	7

	Standard Surveys rec			= Yellow Highlight				
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Ratin
					(1) Developer must conduct a study, based on fully developed			
Sunset Valley					watershed conditiopns, to define BFE and floodway in Zone A			
Suriout valley					(2) EC required prior to pouring lowest floor (3) Biggest			
	1	1	0	0	problem is water in homes	LFA is a CFM	2	8
Sweetwater		0			Sweetwater is CRS 9		1	9
					(1) Work in floodplain may require a engineering study to			
					ensure adjacent property owners won't be affected by			
					construction and/or development in the floodplain. This is			
					determined on a case by case basis and is applicable to all			
					zones. (2) Strict complience to "no rise" in FW (3) On-site			
					detention and mitigation of downstream impacts is required (4)			
					EC required when structure is completed. (5) Approval of CRS			
					application is pending (6) Biggest problem is educating			
					developers and citizens on floodplain management and			
Tarrant County		2	0	0	obtaining a permit prior to construction.	LFA is a CFM	1	
Taylor Lake Village		0	-		Taylor Lake Village is CRS 10			10
.,		-			(1) Developer must conduct a study to define BFE in Zone A.			
Temple					(2) No fill in floodplain or floodway without mitigation			
· o.npio		1			(detention). (3)Setback from floodway boundary required	LFA is a CFM	7	
					(1) City has posted FIRM's and Preliminary DFIRM's on	LI / CIO G OT IVI	,	
Terrell					website in GIS format (2) EC required when construction is			
TOTTOIL		2			completed.			
					(1) In Zone A the developer must submit a study, based on			
					fully developed watershed conditions, showing BFE and			
					Floodway. (2) No development allowed in the floodway(3)			
					Developer must mitigate downstream impacts (4) EC			
					requiredwhen construction is completed and prior to issuing			
Texarkana	4	4				LEA is a CEM	3	
rexarkana	!	<u> </u>			CO.(5) Three (3) CFM's in PW department  (1) Developer must conduct a study, based on fully developed	LFA is a CFM	3	
					watershed conditions, to establish the BFE and floodway in			
					Zone A, (2) No development allowed in the floodway. (3)			
					Drainage study required for Zone X development (4)			
					Developer must provide detenion, mitigate downstream			
					impacts and setback from Floodway (5) Elevation certificate			
					required prior to CO, (4) Cannot increase velocities above 6			
					fps.(5) Biggest problem is streambank erosion and flooding in			
The Colony	2	2	0	0	low lying areas		1	
					(1) Developer must establish BFE in Zone A. (2) EC is			
					required prior to framing/pouring lowest floor, when			
Tiki Island	1	1			construction is completed and prior to CO.	LFA is a CFM	1	8
					(1) Developer must conduct a study to define BFE and			
					floodway in Zone A (2) Lowest floor of new construction must			
					be a minimum of 12" above nearest roadway centerline or top			
					of rim of nearest sanitary or storm sewer manhole, whichever			
					is highest. (3) Both on-site and regional detention is required.			
					(4) Developer must setback from Floodway (5) City has			
					adopted flood hazard maps with ponding areas identified in			
					Zone X and new construction in ponding areas must be			
					elevated above the ponding elevation (6) EC required prior to			
					pouring lowest floor, when construction is completed and			
Tomball		1.5	1	1	before CO. (4) City has Impact Fee System (5)	LFA is a CFM	2	
TOTIDAL		1.0			(1) Developer must establish BFE in Zone A. (2) Developer	LIABAUIN		
					must mitigate all fill placed in floodway. (3) EC is required prior			
					to framing/pouring lowest floor, when construction is			
Tom Cross Court		0			completed and prior to CO. One (1) CFM on staff	LEA is a CENA	1	
Tom Green County	ı	0	I	1	completed and prior to CO. One (1) CFIVI on staff	LFA is a CFM	1	1

	Standard Surveys rec			= Yellow Highlight				
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
					(1) Developer must establish BFE in Zone A. (2) Developer			
					must mitigate all fill placed in floodway. (3) Development in			
					Zone X must be elevated a minimum of 1' above NG and			
					crown of nearest street (4) EC is required when construction is			
Travis County		1	1	1	completed and prior to CO.	LFA is a CFM	1	
					(1) New construction must be elevated the higher of +1'			
					existing conditions or +1' fully developed conditions. (2)			
					Developer must conduct a study to establish floodway and			
					BFE based on both existing and fully developed conditions. (3)			
					EC required prior to forming/pouring lowest floor; when			
					construction is complete and prior to CO. (4) A 6% City Storm			
Tyler	1	1	0.5	0.5	Water Management surcharge added to water/sewer bills.	LFA is a CFM	5	
i					(1) Developer must establish BFE and floodway in Zone A. (2)			
					Developer must mitigate downstream impacts (3) EC is			
Tyler County	1	2			required prior to forming/pouring lowest floor and prior to CO.			
					(4) 11 1 12 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14			
					(1) University Park is a fully developed community (must tear			
					down something to build anything new). (2) There is a			
					maximum impermeable surface limit per lot regulation.(3) In all			
					zones new development must match grade of adjacent			
					properties.(4) On site detention required and developer must			
					mitigate downstream (offsite) impacts and setback from			
					Floodway (5) EC required prior to forming/pouring lowest floor;			
					when construction is complete and prior to CO (6) City has			
					installed a Collapsible dam structure (7) Biggest problem is			
University Park	0	0	0	0	undersized storm sewers and localized flooding	LFA is a CFM	1	
					(1) New construction must be elevated a minimum of 2' above			
					BFE. (2) Developer must conduct a study to establish the BFE			
					and floodway in Zone A based on existing watershed			
					conditions (3) No fill in floodway without mitigation. (4) In Zone			
					X new construction must be elevated 2' above natural grade			
Lib Lala		0	0	2	or crown of nearest street (5) EC required prior to			
Uvalde Ushler County		2			framing/pouring lowest floor.  Revised ordinance in 2010			-
Van Zant County		2			Revised ordinance in 2010  Revised ordinance in 2010			-
van Zani County					Revised ordinance in 2010			
					(1) City Drainage ordinance requires 1' freeboard (2)			
					Developer must establish BFE and Zero rise Floodway in			
					Zone A. (3) Detention and mitigation of downstream impacts is			
					required. (4) Residential development in all Zone X (shaded			
					and non-shaded) must be elevated a minimum of 30' above			
					gutter and 24"above the crown of the nearest street. (5) Non-			
					residential development in Zone X (shaded and non-shaded)			
					must be elevated a minimum of 20" above gutter and 12"			
					above the nearest street. (5) EC is required after construction			
					is completed and before CO. (6) City Storm drainage Criteria			
					Manual requires elevation of both slab and pier and beam			
					structures and lot grading abobe BFE. (7) Biggest problems			
Victoria	0	1 (see notes)	2	2	are funding for map revisions and Zone A development	LFA is a CFM	8	
VICIONA	U	1 (355 110(53)		2	(1) Developer must establish BFE and floodway in Zone A. (2)	EI A IS a CI IVI	U	
					Detention required - Developer must mitigate all fill placed in			
			1		SFHA and floodway. (3) EC is required prior to			1
			Ì		forming/pouring lowest floor, when construction is completed			1
Victoria County		0	Ì		and prior to CO. One (1) CFM on staff	LFA is a CFM	1	1
Violona County	1	v	1	1	and phot to 55. One (1) or wron stan		'	

Higher S	tandard Surveys red	ceived via Survey Mor	nkey in 2018	= Yellow Highlight	,			
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
Waco		1			·			
Naller		1						
					(1) Developer must establish BFE in Zone A. (2) Developer			
					must mitigate all fill placed in floodway. (3) EC is required			
					before forming/pouring lowest floor and when construction is			
Waller County	1.5	1.5			completed.			
rranor county	1.0	110			oomprotest.			
					(1) Developer must mitigate downstream impacts (3) EC is			
					required before forming/pouring lowest floor and when			
					construction is completed. (4) Biggest problem is community			
Washington County		0	0	0	buyin to floodplain management program and the NFIP	LFA is a CFM	2	
washington County		0	0	U	(1) Developer must establish BFE and floodway in Zone A. (2)	LFA IS a CFIVI	2	+
					Developer must provide onsite detention and mitigate			
					downstream impacts (3) EC is required prior to CO. (4)			
					Biggest problem is lack of H&H based on fully developed			
Waxahachie		1	0	0	conditions	LFA is a CFM	1	
					(1) Developer must conduct a study, based on fully developed			
					watershed conditions, and establish BFE and floodway in			
					Zone A (2) Developer must mitigate downstream impacts			
					(dentention required) (3) EC is required when construction is			
					completed. (4) Drainage study required with development that			
					exceeds 5,000sf impervious cover. (5) Biggest problem is			
Weatherford	2	2	0	0	erosion.	LFA is a CFM	2	
					(1) Developer must conduct a study, based on fully developed			
					watershed conditions, to identify BFE and Floodway boundary			
					in Zone A. (2) Developer must mitigate all fill placed in			
					floofplain and floodway. (3) Both onsite and regional detention			
					required (4) Developer must setback from Floodway boundary			
					and mitigate downstream impacts (5) EC is required before			
					forming/pouring lowest floor; when construction is completed;			
					and prior to CO. (6) County withholds public utility connections			
					until structure is compliant with FP development requirements			
Webb County	1	1			(7) Four (4) CFM's on staff	LFA is a CFM	4	
Webster	<u> </u>	1			/ // 5 5	21 7 1 10 4 0 1 17		1
							1	1
					(1) Developer must conduct a study to identify the BFE in			
					Zone A. (2) Developer must mitigate all fill placed in floofplain			
					and floodway. (3) Detention and setback from Floodway is		]	1
					required for new construction (4) EC is required before			
					forming/pouring lowest floor; when construction is completed;		]	1
					and prior to CO. (6) City requires dedication of floodplain 75'			
\\/		4	4.5	4.7	from channel centerline (7) Biggest problem is the out of date	LEA : OEM		/**
Weslaco	1	1	1.5	1.5	1980 FIRM	LFA is a CFM	1	(*)
Westlake	2	*see notes			EC or report must be submitted by a PE demonstrating permit complience.			
					City adopted Standard Ordinance but recommends that new			
West Lake Hills		+1 recommended			construction be elevated +1 above BFE			
					Developer must establish BFE and Floodway in Zone A. EC is		]	1
West Orange		1			required before CO.			
					(1) mitigation required for fill placed in floodplain and floodway			
					(2) EC required prior to forming/pouring lowest floor and prior			
West University Place		0			to CO	LFA is a CFM	1	

City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Ratir
					(1) Developer must conduct a study to identify the BFE in			
					Zone A. (2) New construction in Zone X must be +1' above			
					curb or adjacent grade whichever is higher. (2) Detention			
					required to mitigate fill/development (3) Developer must			
					mitigate downstream impacts and setback from Floodway			
					boundary (4)City limits cumulative impact requiremen tby			
					ordinance (5) Drainage plan required for new development			
					that meets Wharton County Drainage Criteria (6) EC required			
					prior to forming; when structure is completed and prior to CO.			
					(7) Wharton has FEMA approved all hazards and Flood			
					Mitigation plans.(8) Biggest problem is substantial			
Vharton	1	1	1	1	improvement of structures below BFE	LFA is a CFM	2	8
					(1) Detention required in new subdivisions.(2) EC required			
					prior to pouring lowest floor and when structure is completed.			
					(3) FP Permits are cross referenced to 911 Addressing. (4)			
					Wharton County has a county wide drainage plan with BFE's			
					established in most Zone A areas (5) County requires a			
					drainage study for all commercial development in SFHA (6)			
					County enforces NAI in Floodway (7)County recommends			
					+18" in Zone X (8) Biggest problem is Hurricane Harvey			
					recovery due to a large number of substantually damaged			
Wharton County	0	0	See notes	See notes	structures	LFA is a CFM	1	
					(4) D			
					(1) Developer must establish floodway and BFE in Zone A .			
					(2) Developer must mitigate downstream impacts (3) EC			
					required before forming/pouring lowest floor (4) 911 address			
					must be assigned prior to permit. (5) Public Works must verify			
					road culvert size and oversee installation. (6) County requires			
					a PE letter of compliance that the structure was built as per			
M: 1:: 0 /					permit (7) County has approved Mitigation Plan. (8) Biggest	154: 0514	,	
Wichita County		1	0	0	problem is enforcement  (1) Developer must conduct a study to identify the BFE in	LFA is a CFM	1	
					Zone A. (2) Detention is required for residential in excess of 2			
					acres and commercial in excess of 1 acre. (3) Developer must			
					mitigate downstream impacts (4) Manufactured Home			
					restrictions in SFHA (5) EC required when construction is			
					complete and prior to CO. (6) Biggest problems are			
					enforcement and development pressures for floodprone			
Wichita Falls	1	1	1	1	properties	LFA is a CFM	1	8
vvicilità i alis	'				properties	LIABAOIW	'	-
					(1) No fill allowed in SFHA w/o mitigation. (2) Community			
					enforces cumulative impact limitations over a 5 year period (3)			
					Onsite detention required (4) Developer must mitigate			
					upstream and downstreams impacts of development. (5) New			
					construction in Zone X must be elevated 1' above natural			
					grade or crown of nearest street (6) Plats that include a SFHA			
			`		with DA in excess of 64 acres must show 100-year boundary.			
					(7) EC is required when structure is completed.(8) Biggest			
Williamson County		1	1	1	problem is regulating development in Zone A without BFE	LFA is a CFM	3	
					(1) Developer must establish floodway and BFE in Zone A (2)			
					Onsite Detention is required. (3) Developer must mitigate any			
					downstream impacts (4) Development in Zone X must be			
					elevated a minimum of +1' above NG or crown of nearest			
					street (5) EC required before forming/pouring lowest floor,			
Willis		0	1	1	when construction is complete and prior to CO.	LFA is a CFM	1	

		ceived via Survey Mo	nkev in 2018	= Yellow Highlight	1		G/10/2010	
City or County Name	Feet above Fully Developed BFE	Feet above Existing BFE	Zone X(B) (Shaded) above street or curb	Zone X(C) (Unshaded) above street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	CRS Rating
Wilson County		2	2	2	(1) Developer must conduct a study to identify the BFE in Zone A. (2) Detention and mitigation of downstream impacts is required . (3) Developer must mitigate downstream impacts (4) No criticalk facilities allowed in SFHA and 500-year floodplain (5) Subdivisions and mobile home parks located in the SFHA must have elevated access roads (6) EC required prior to forming/pouring lowest floor and when construction is complete. (6) Biggest problem is development without a permit	LFA is a CFM	1	
Wise County	2	2	0	0	(1) Developer must conduct a study based on fully developed conditions to establish BFE and floodplain boundary in Zone A (2) Detention is required in Development Rules and regulations (3) Developer must prevent post development runoff from exceeding predevelopment runoff (4) Maximum allowable increase in BFE is 0.1' in SFHA	LFA is a CFM	,	
Woodville	2	1	U	U	allowable litclease iii BFE is 0.1 III SFFIA	LFA IS a CFIVI		+
Yoakum		1			(1) Developer must establish floodplain and BFE in Zone A (2) EC required when structure is completed and prior to CO (3) two CFMs on staff	LFA is a CFM	2	
Higher Standard Surv	veys submitted by	others:						
TxDOT Amarillo Distric	s NA	NA	NA	NA	Biggest issue: Letting communities know that developers must mitigate impact to TxDOT Facilities. TxDOT has the right to control developers' outfall onto ot across TxDOT ROW. TxDOT's rules follow Title 43 of Texas Administrative Code.		Several	
MPO/Colleen Russell	2	1	2	3	(1) Developer must conduct a study to identify BFE and Floodway boundary in Zone A. (2) Developer must mitigate downstream impacts. (3) Onsite detention required (4) Developer must setback from Floodway boundary (5) EC is required before forming/pouring lowest floor; when construction is completed; and prior to CO. (6)Biggest problem is no inlets	LFA is a CFM		
Texas DEM					Biggest problems in Texas: ILack of mitigation efforts and lack of dam inundation studies.	Planner is CFM	4	
US Dept of Health		2	0	0	(1) Requirements apply to hospitals and health care facilities constructed by US Department of Health and Human Services (2) Study required to establish BFE and floodway in Zone A (3) Detention, mitigation of downstream impacts and setback from floodway boundary is required. (4) Evacuation route planning required for each facility (5) EC required prior to forming/pouring lowest floor, when construction is completed and prior to CO (6) Biggest problem is construction in remote area (Zone A without BFE)	PM is CFM	1	
Meyerland HOA	2	2'	3 see notes	3 see notes	(1) Harris County requirements apply (2) HOA requires development in Zone X to be elevated +2' (5 acres or less) and +3' (2 acres or less)	Consultant is CFM		

2018 TFMA Higher Standards Survey Summary:	·
331 responses were received (There are 1,243 Texas communities enrolled in the NFIP)	
282 (85%) of communities that responded have adopted a "Freeboard" ordinance requiring new construction to be elevated 1' or more above BFE.	
145 (44%) of communities that responded require that new construction be elevated above the BFE based on "fully developed" watershed conditions.	1
127 (38%) of communities that responded require freeboard in Zone X (shaded) 500-year floodplain	
123 (37%) of communities that responded require freeboard in Zone X (unshaded) outside the 500-year floodplain	
159 (48%) of communities that responded require on-site or regional detention to mitigate development impacts	

## TFMA 2018 Higher Standards Survey (Freeboard = Finished Floor Elevation above BFE)

Higher Standard Surveys received via Survey Monkey in 2018 = Yellow			= Yellow Highlight						
	City	Feet above	Feet above	Zone X(B)	Zone X(C)				
	or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
Cou	unty Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
242 (739	242 (73%) of communities that responded have a CFM on staff.								
582 CFMs are on staff of the 325 communities that responded to the survey (1.8 CFM per community)									
63 Texa	63 Texas communities (58 cities and 5 counties) participate in CRS (5.1% of Texas 1,240 NFIP communities)								
74 (29%	74 (29%) Texas Counties responded to the survey (254 counties)								
Thank y	Thank you for participating in the 2018 TFMA "Higher Standards" Survey.								

Date of Survey: - The information in this spreadsheet includes all survey responses received from 2004 through 2018
2018 Survey conducted by TFMA using Survey Monkey (Feb 2018-April 2018) XXX surveys received via Survey Monkey
2017 Survey conducted by TFMA using Survey Monkey (March 2017-April 2017) 49 surveys received via Survey Monkey
2016 Survey conducted by TFMA using Survey Monkey (July 2016-August 2016) 107 surveys received via Survey Monkey
2015 Survey conducted by TFMA using Survey Monkey (Jan 2015-Oct 2015) 140 surveys received via Survey Monkey
2014 Survey conducted by TFMA using Survey Monkey (Jan 2014-Aug 2014)
2013 Survey conducted by John Ivey, PE, CFM, Roy Sedwick, CFM and Mike Segner, CFM (Jan 2013-May 2013)
2012 Survey conducted by John Ivey, PE, CFM, Roy Sedwick, CFM and Mike Segner, CFM (Jan 2012-Apr 2012)
2011 Survey conducted by John Ivey, PE, CFM, Roy Sedwick, CFM and Mike Segner, CFM (Feb-Apr 2011)
2010 Survey conducted by John Ivey, PE, CFM, Roy Sedwick, CFM and Leon Curtis, PE, CFM (Apr-Jun 2010)
2009 Survey conducted by John Ivey, PE, CFM, Mike Howard, CFM, Roy Sedwick, CFM, Heidi Carlin, CFM and Rachel Powers (Feb-Jul 2009)
2008 Survey conducted by John Ivey, PE, CFM, Mike Howard, CFM, Roy Sedwick, CFM and Heidi Carlin, CFM (Jan-Apr 2008)
2007 Survey conducted by John Ivey, PE, CFM, Mike Howard, CFM, Roy Sedwick, CFM and Lochen Wood, CFM (Mar-Jun 2007)
2006 Survey conducted by John Ivey, PE, CFM, Roy Sedwick, CFM and Lochen Wood, CFM (Mar/Apr 2006)
2005 Survey conducted by John Ivey, PE, CFM and Roy Sedwick, CFM, including initial findings by Charlie Hastings, PE, CFM
2004 Survey conducted by Charlie Hastings, PE, CFM, City Engineer, City of Kerrville, Texas via e-mail over a two day period (6/23/04 - 6/24/04)

Highe	r Standard Surveys were received via Survey Monkey in 2017>	Communities submitting surveys in 2018 for the first time		
		Wilson County		
Acronyms		McLennan County		
AE Zone	FEMA designated zone inundated by 100-year flood (1% chance flood)	Melissa		
AIA	American Institute of Architects	Liberty		
ASFPM	Association of State Floodplain Managers	Leander		
ASFPM	Association of State Floodplain Managers	Port Aransas		
B Zone	FEMA designated zone inundated by 500-year flood (now Zone X shaded)	Cedar Hill		
BFE	Base Flood Elevation	US Dept Health & Human Services		
BRA	Brazos River Authority	Meyerland HOA		
BW12	Biggert Watters 2012 NFIP Reform Act			
C Zone	FEMA designated zone outside of the 500-year flood (now Zone X unshaded)	Communities submitting surveys in 2017 for the first time		
CBRA	Coastal Barrier Resource Act - EO11990	Edgecliff Village		
CDBG	Community Development Block Grant (HUD)	Grayson County		
CFM	Certified Floodplain Manager	Lake Shores		
CFS	Cubic Feet per Second (i.e.stream discharge)	Weslaco		
CLOMR	Conditional Letter of Map Revision	MPO?		
CO	Certificate of Occupancy	TxDOT Amarillo District		
COE	US Army Corps of Engineers - USACE	Pitstop, Montana???		
CRS	Community Rating System			
CTP	Cooperative Technical Partner (with FEMA)	Communities submitting surveys in 2016 for the first time		
DA	Drainage Area (usually measured in square miles)	Austin County		
DEM	See TDEM - Texas Division of Emergency Management (Texas)	Belton		
DFIRM	Digital Flood Insurance Rate Map	Dayton		
DHS	Department of Homeland Security	Ellis County		
EC	Elevation Certificate (FEMA form)	Holiday Lakes		
ESA	Endangered Species Act	Village of the Hills		
FEMA	Federal Emergency Management Agency	Hunter's Creek Village		
FMA	Flood Mitigation Assistance (grant program)	Leon Valley		
FPS	Feet per Second (i.e.floodway velocity)	Rockwall		
FFRMS	Federal Flood Risk Management Standard - EO 13690	Rockport		
GLO	Texas General Land Office	Refugio County		

3/1		

					ation above BFE)		3/13/2018	
Higher S	Standard Surveys rec	eived via Survey Mo	nkey in 2018	= Yellow Highlight				
City	Feet above	Feet above	Zone X(B)	Zone X(C)				
or	Fully Developed	Existing	(Shaded) above	(Unshaded) above				CRS
County Name	BFE	BFE	street or curb	street or curb	Special Notes	Is LFA a CFM?	CFM's on staff	Rating
HAG	Highest Adjacent G				Schertz		•	
HEC	Hydrologic Enginee	ring Center (U S Arn	ny Corps of Engineers	)	Waxahachie			
HEC RAS	Hydrologic Enginee	ring Center River An	alysis System					
HFIAA	Homeowners Flood	I Insurance Affordabi	ity Act - NFIP Reform	Act 2014	Communities submitting surveys in 2015 for the first time			
HMGP	Hazard Mitigation G	Frant Program			Alice			
IA	Individual Assistance	ce (disaster recovery	)		Aransas Pass			
LAG	Lowest Adjacent Gr	rade			Bee Cave			
LCRA	Lower Colorado Riv	er Authority			Cuero			
LFA	Local Floodplain Ad	lministrator			Ennis			
LOMA	Letter of Map Amen	ndment			Hutchins			
LOMC	Letter of Map Chan	ge			Keene			
LOMR	Letter of Map Revis	sion			University Park			
NAI	No Adverse Impact				Bosque County			
NAVD	North American Ver	rtical Datum			Chambers County			
NFIP	National Flood Insu	rance Program			Dallas County			
NG		ural Ground Elevatio			Harden County			
NGVD		Vertical Datum (192			Hood County			
NRCS		Conservation Servic			Leon County			
PA	Public Assistance (disaster recovery funding)			Jackson County				
PE	Professional Engine				Newton County			
Q100	Flood Discharge fro	m the 100 year flood						
RPLS	Registered Public L							
SFR		Single Family Residential						
SFHA	Special Flood Haza							
TCRFC		er Floodplain Coaliti			_			
TFMA		lanagement Associa	ion					
TWDB	Texas Water Development Board							
TDEM		mergency Managem						
X Zone shaded			0-year flood (former B					
X Zone unshaded	FEMA designated z	one outside of the 5	00-year flood (former 0	C Zone)				



## CHAPTER 3. FLOODPLAIN MANAGEMENT PRACTICES AND FLOOD PROTECTION GOALS

"Planning Risk Assessment for Flood Risk Management Studies." U.S. Army Corps of Engineers, July 17, 2017,

https://www.publications.usace.army.mil/Portals/76/Publications/EngineerRegulations/er 1105-2-101.pdf.

"Subdivision." FEMA, July 8, 2022, https://www.fema.gov/glossary/subdivision

"Technical Guidelines for Regional Flood Planning." Texas Water Development Board, April 2021, <a href="https://www.twdb.texas.gov/flood/planning/planningdocu/2023/doc/04">https://www.twdb.texas.gov/flood/planning/planningdocu/2023/doc/04</a> Exhibit C TechnicalGuidel ines April 2021.pdf?d=2127.900000002235.

"Texas Administrative Code, Title 31, Part 10, Chapter 361, Subchapter C, Rule 361.36." Texas Registrar,

https://texreg.sos.state.tx.us/public/readtac\$ext.TacPage?sl=R&app=9&p dir=&p rloc=&p ploc=&p=1&p tac=&ti=31&pt=10&ch=361&rl=36.

"Texas Floodplain Management Association (TFMA) 2018 Higher Standards Survey." TFMA Higher Standards Committee, March 6, 2018,

https://cdn.ymaws.com/www.tfma.org/resource/resmgr/2018 higher standards/2018 tfma higher standards s.pdf.

"Title 44, Chapter 1, Subchapter B, Part 60 – Criteria for Land Management and Use." *Code of Federal Regulations*, National Archives and Records Administration, April 4, 2022, https://www.ecfr.gov/current/title-44/chapter-I/subchapter-B/part-60.

## APPENDIX 4-A SUPPLEMENTARY MAPS FOR CHAPTER 4









