

Arbor Gate at West Ranch Pond Reserve Final Plat

1. [Compliance memo](#)
2. [Final Plat](#)

Memo

To: Planning and Zoning Commission

From: Becky Summers, Development Coordinator

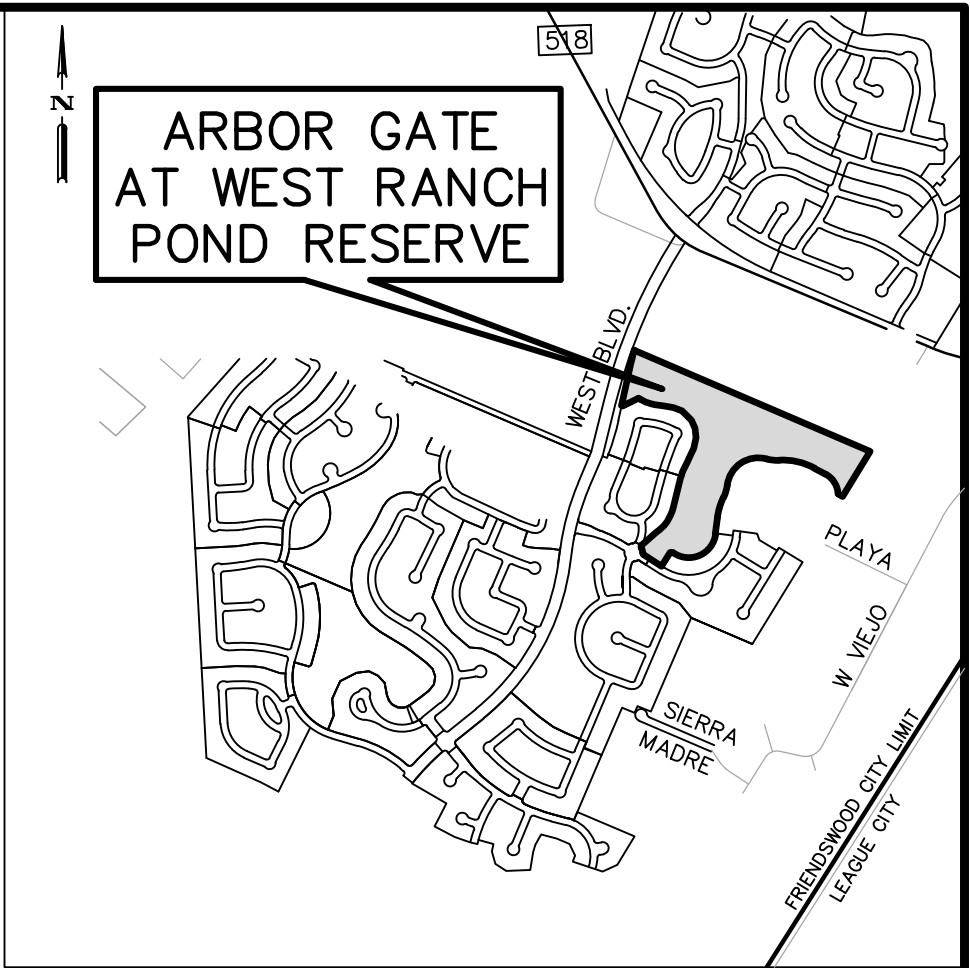
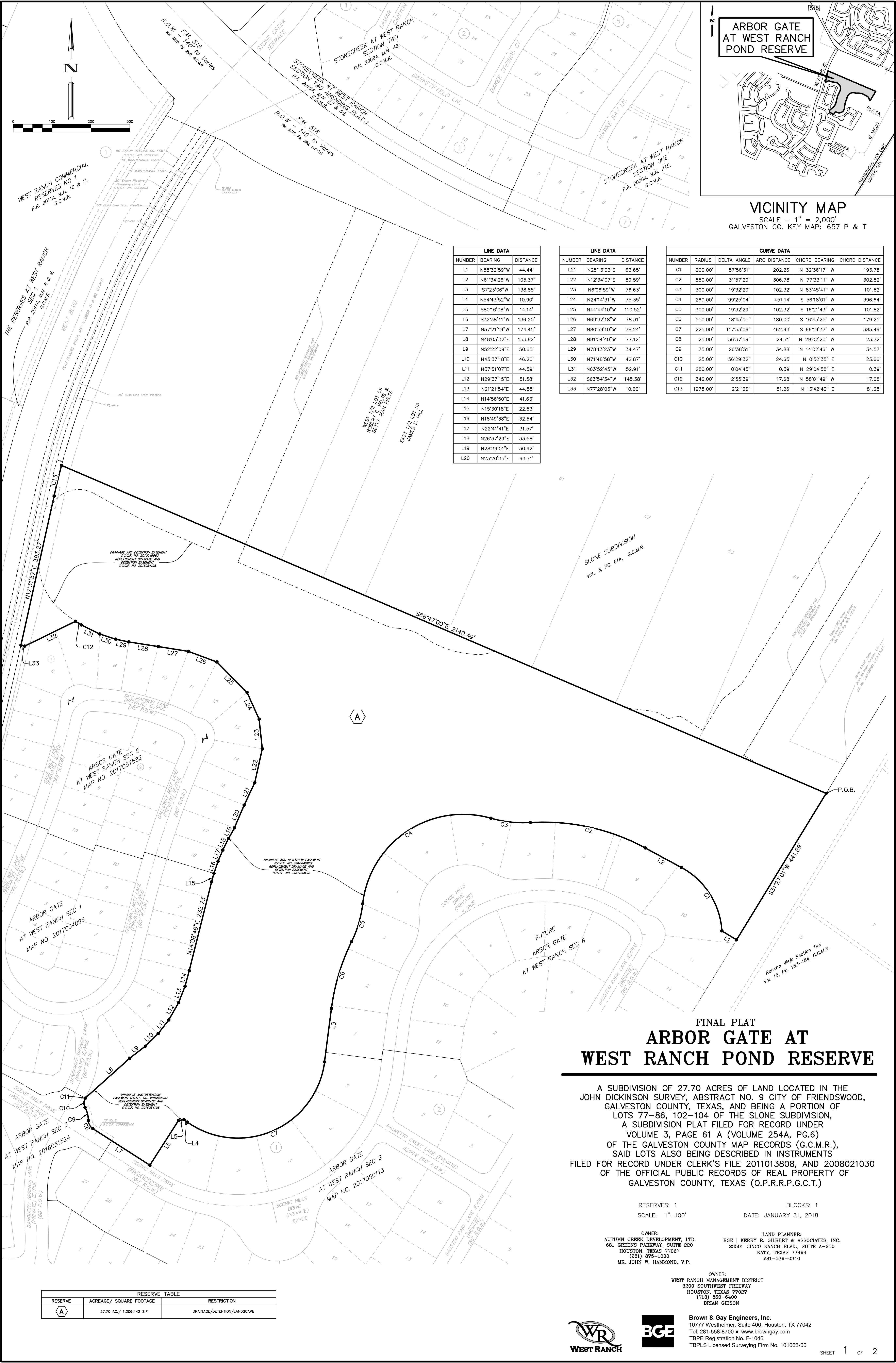
Date: February 1, 2018

Re: Arbor Gate at West Ranch Pond Reserve
Final Plat

Project Description: Preliminary plat approved by the Commission on November 16, 2017. Platting a retention pond within the West Ranch development.

The plan has been reviewed by staff in the following departments: Planning, Public Works/Engineering, Fire Marshal, Parks, and Police Department. The proposed project appears to be in compliance with current City code.

The plan is subject to review and approval by the Planning and Zoning Commission.



VICINITY MAP
SCALE - 1" = 2,000'
GALVESTON CO. KEY MAP: 657 P & T

LINE DATA		
NUMBER	BEARING	DISTANCE
L1	N58°32'59"W	44.44'
L2	N61°34'26"W	105.37'
L3	S72°3'06"W	138.85'
L4	N54°43'52"W	10.90'
L5	S80°16'08"W	14.14'
L6	S32°38'41"W	136.20'
L7	N57°21'19"W	174.45'
L8	N48°03'32"E	153.82'
L9	N52°22'09"E	50.65'
L10	N45°37'18"E	46.20'
L11	N37°51'07"E	44.59'
L12	N29°37'15"E	51.58'
L13	N21°21'54"E	44.88'
L14	N14°56'50"E	41.63'
L15	N15°30'18"E	22.53'
L16	N18°49'38"E	32.54'
L17	N22°41'41"E	31.57'
L18	N26°37'29"E	33.58'
L19	N28°39'01"E	30.92'
L20	N23°20'35"E	63.71'

LINE DATA		
NUMBER	BEARING	DISTANCE
L21	N25°13'03"E	63.65'
L22	N12°34'07"E	89.59'
L23	N6°06'59"W	76.63'
L24	N24°14'31"W	75.35'
L25	N44°44'10"W	110.52'
L26	N69°32'18"W	78.31'
L27	N80°59'10"W	78.24'
L28	N81°04'40"W	77.12'
L29	N78°13'23"W	34.47'
L30	N71°48'58"W	42.87'
L31	N63°52'45"W	52.91'
L32	S63°54'34"W	145.38'
L33	N77°28'03"W	10.00'

CURVE DATA					
NUMBER	RADIUS	DELTA ANGLE	ARC DISTANCE	CHORD BEARING	CHORD DISTANCE
C1	200.00'	57°56'31"	202.26'	N 32°36'17" W	193.75'
C2	550.00'	31°57'29"	306.78'	N 77°33'11" W	302.82'
C3	300.00'	19°32'29"	102.32'	N 83°45'41" W	101.82'
C4	260.00'	99°25'04"	451.14'	S 56°18'01" W	396.64'
C5	300.00'	19°32'29"	102.32'	S 16°21'43" W	101.82'
C6	550.00'	18°45'05"	180.00'	S 16°45'25" W	179.20'
C7	225.00'	117°53'06"	462.93'	S 66°19'37" W	385.49'
C8	25.00'	56°37'59"	24.71'	N 29°02'20" W	23.72'
C9	75.00'	26°38'51"	34.88'	N 14°02'46" W	34.57'
C10	25.00'	56°29'32"	24.65'	N 0°52'35" E	23.66'
C11	280.00'	0°04'45"	0.39'	N 29°04'58" E	0.39'
C12	346.00'	2°55'39"	17.68'	N 58°01'49" W	17.68'
C13	1975.00'	2°21'26"	81.26'	N 13°42'40" E	81.25'

FINAL PLAT ARBOR GATE AT WEST RANCH POND RESERVE

A SUBDIVISION OF 27.70 ACRES OF LAND LOCATED IN THE JOHN DICKINSON SURVEY, ABSTRACT NO. 9 CITY OF FRIENDSWOOD, GALVESTON COUNTY, TEXAS, AND BEING A PORTION OF LOTS 77-86, 102-104 OF THE SLOANE SUBDIVISION, A SUBDIVISION PLAT FILED FOR RECORD UNDER VOLUME 3, PAGE 61 A (VOLUME 254A, PG.6) OF THE GALVESTON COUNTY MAP RECORDS (G.C.M.R.), SAID LOTS ALSO BEING DESCRIBED IN INSTRUMENTS FILED FOR RECORD UNDER CLERK'S FILE 2011013808, AND 2008021030 OF THE OFFICIAL PUBLIC RECORDS OF REAL PROPERTY OF GALVESTON COUNTY, TEXAS (O.P.R.R.P.G.C.T.)

RESERVES: 1
SCALE: 1"=100'

BLOCKS: 1
DATE: JANUARY 31, 2018

OWNER:
AUTUMN CREEK DEVELOPMENT, LTD.
681 GREENS PARKWAY, SUITE 220
HOUSTON, TEXAS 77067
(281) 678-1000
MR. JOHN W. HAMMOND, V.P.

LAND PLANNER:
BGE | KERRY R. GILBERT & ASSOCIATES, INC.
23501 CINCO RANCH BLVD., SUITE A-250
KATY, TEXAS 77494
281-579-0340

OWNER:
WEST RANCH MANAGEMENT DISTRICT
3200 SOUTHWEST FREEWAY
HOUSTON, TEXAS 77027
(713) 860-6400
BRIAN GIBSON

Brown & Gay Engineers, Inc.
10777 Westheimer, Suite 400, Houston, TX 77042
Tel: 281-558-8700 • www.browngay.com
TBPE Registration No. F-1046
TBPLS Licensed Surveying Firm No. 101065-00

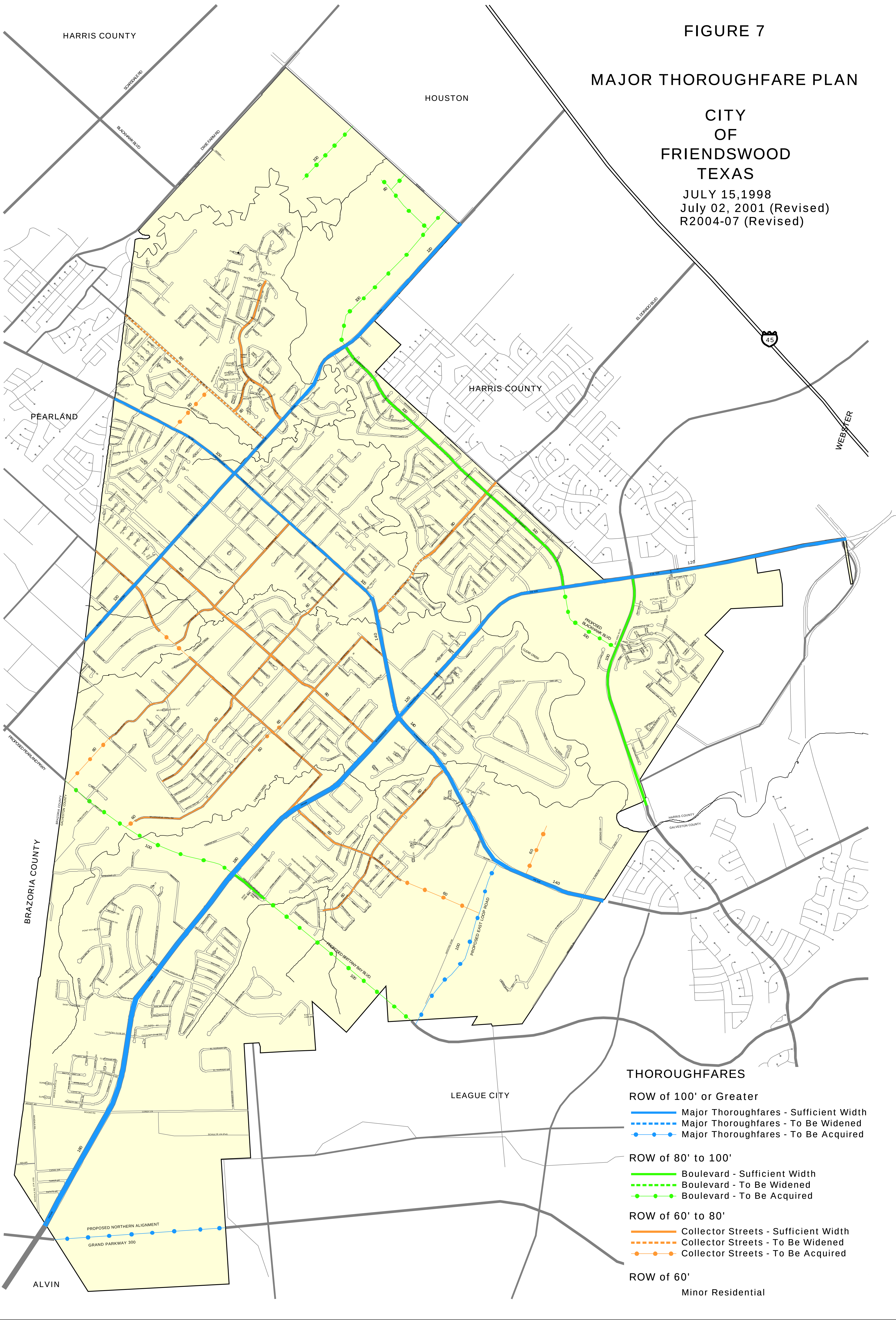


RESERVE TABLE		
RESERVE	ACREAGE/ SQUARE FOOTAGE	RESTRICTION
A	27.70 AC / 1,206,442 S.F.	DRAINAGE/DETENTION/LANDSCAPE

FIGURE 7
MAJOR THOROUGHFARE PLAN

CITY
OF
FRIENDSWOOD
TEXAS

JULY 15, 1998
July 02, 2001 (Revised)
R2004-07 (Revised)



Major Thoroughfare Plan

1. [Current MTP – 2004](#)
2. [Proposed MTP - 2018](#)
3. [Summary of proposed updates and actions](#)
4. [1998 Comp Plan Section 3 Update - redline](#)

Summary of Major Thoroughfare Plan Updates

January 29, 2018

Planning Subcommittee Members: Brett Banfield, Eric Guenther, Walter Lawson, Aubrey Harbin (City Planner)

History/Summary:

The Major Thoroughfare Plan is a long range planning document that serves as a guide for the designation of streets within a street system which serve as primary arteries for vehicular traffic. The plan is vital to the City in identifying potential road projects that could qualify for various funding when available. It also serves as a guide for staff and others when development occurs.

The current map was adopted in 2004. It was last reviewed by City Council in 2010 and by the Planning & Zoning Commission in 2011, but no changes were recommended.

Since that time, several proposed roads have been constructed, specifically with the development of West Ranch. The following updates are being recommended to bring the map into a more current status:

Roads that have been built to sufficient width:

- West Blvd. - boulevard
- Falcon Ridge Blvd. - collector
- West Ranch Dr. – not a collector, removed
- Friendswood Lakes Blvd (sections) - boulevard
- San Joaquin Pkwy – collector
- Lake Mist Ln/Pleasant Hill Dr. – collector
- Friendswood Trails roads – boulevard under construction

Right-of-Way acquired, but road still needs to be built (widened):

- Blackhawk Blvd (adjacent to Galloway School)
- Friendswood Lakes Blvd (section)

Roads that have been widened to sufficient width:

- Melody Lane
- Friendswood Link Rd.

Update Proposed Route (not a city road):

- Grand Parkway Route

Additionally, a landowner has approached City Council, the Planning and Zoning Commission and CEDC to request that the Blackhawk Blvd. extension from FM 2351 to Beamer Rd. be removed from the map. He cited difficulty in building the road due to existing oil well drill sites. The property owners do not own the drill sites and cannot dedicate the property to the City as right-of-way. The City does not have funding to build the road and ultimately, it would be a

boulevard road that the city would have to maintain and would run parallel to a state-maintained roadway just 600 feet away.

Remove:

Blackhawk Blvd. extension from FM 2351 to Beamer Rd.

Three other proposed boulevard extensions in panhandle area

Actions:

- Dan Rucker presented to CEDC in September 2017, to P&Z on October 19, 2017, and to City Council on January 8, 2018. Council requested that he go back to P&Z for a recommendation.
- Notice was mailed to 25 property owners inviting them to attend the Planning and Zoning Commission regular meeting on Thursday, February 1, 2018, to discuss the removal of the Blackhawk Blvd. extension from the map.
- Joint Work Session with P&Z and City Council scheduled for Monday, February 5, 2018

Major Thoroughfare Plan

The ~~Major~~aster Thoroughfare Plan serves as a guide for the designation of those streets within the street system, which are to serve as the primary arteries for vehicular traffic. The system of major thoroughfares also has other uses or relationships in the urban area, which include:

- Develops the structure or framework around which the community is developed. In land use planning, the system is commonly referred to as the structural framework on which the land use pattern is woven.
- The system provides traffic linkages between major areas in the community and linkages between the community and adjacent areas.
- Because the system is designed to carry high volumes of vehicular traffic, it is subject to attracting, along the corridors or at intersections between thoroughfares, business activities related to serving local and adjacent needs.
- The system generally identifies homogeneous areas of land use, which are often referred to as neighborhood areas.

Because of the importance of the above factors, and others, which can be developed to address the system's relationship to the community, it is imperative that the community plan provides for a sound and reliable thoroughfare system.

Adopted Plan

The relationship and importance of the three highways – Edgewood Drive (FM 2351), Friendswood Drive (FM 518) and Parkwood Avenue (FM 528) – has been discussed in the Baseline ~~Studies Analysis~~ (Section 3 of the Comprehensive Plan). Early on, these highways provided a framework around which the City's initial urban development occurred. The spacing between these facilities has allowed logical and homogeneous areas of land use to develop within the framework.

The City of Friendswood adopted a Thoroughfare Plan in 1990. This Plan was built around the above highway system with each of the facilities functioning as a major street in the thoroughfare system. The Plan was modified in 1998, 2001 and 2004.

Plan Elements

There are ~~three~~ primary elements in the Thoroughfare Plan: the major thoroughfare, boulevards and collector streets, ~~and the minor thoroughfare~~. The function of the major thoroughfares and boulevards is to move large volumes of traffic, while the ~~minor functions as a collector~~ streets move of traffic from local streets and ~~moves it~~ along a continuous route to the major thoroughfares and boulevards.

In Friendswood, the more extensive collector street system is ~~west~~south of Friendswood Drive between Edgewood Drive and Parkwood Avenue. These streets are designed to have wider ~~the~~ right-of-way and pavement width than a local street but less than the major thoroughfares. The design of a good residential area provides for the collector street system.

Often, there are several types of cross sections for rights-of-way and pavement width in a Thoroughfare Plan, which designates the thoroughfares. Each section reflects the thoroughfare's importance in the overall system. Usually, the thoroughfare's ability to handle traffic is indicated by the number of traffic lanes. The cross sectional standards used for the thoroughfares improved in the City: ~~(~~Friendswood Drive, Edgewood Drive, and Parkwood Avenue~~)~~ have been set by the ~~State~~Texas Department of Transportation. Blackhawk ~~was~~ already built as a thoroughfare when it was annexed into the City.

Thoroughfare Plan

The adopted Major Thoroughfare Plan, with modifications, is shown by Figures 7, ~~and 7a~~. ~~Major and collector streets~~ Street classifications are determined by their line width shown on the plan. Alignments which are existing and open for use are shown as a solid line while future facilities are shown by a dashed line. In developing areas, the general locations of the major

thoroughfares or minor thoroughfaresecondary areis to be guided by this Plan with the final location being set by the development's street pattern.

The following are features shown on Figure 7:

- Thoroughfare Designation – The geographical area shown on the Plan extends beyond the corporate limits. Currently, the adopted plan graphics do not cross these boundaries. It is important for the City to establish on-going coordination with adjacent communities to develop continuity of the facilities between the local systems.

- ~~Thoroughfare Routes – There are two~~four~~ routes to be determined as vacant land is placed into urban use: (1) extension of Blackhawk north of F.M. 2351, (2) extension of West Bay Area Boulevard with alignment to be coordinated with League City, (3) Friendswood Lakes Boulevard (also known as Brittany Bay Boulevard) from FM 528 ~~the east~~ to the west city limits including~~with~~ coordination with Pearland for linkage to ~~their~~ Pearland Parkway (2) Friendswood Lakes Boulevard (also known as Brittany Bay Boulevard) from FM528 to the east city limits including, ~~similar~~ coordination with League City for linkage to League City Parkway. through the West property, and (4) establish the routing of the thoroughfare extending south of F.M. 518 crossing Britany Bay and linking to a route proposed by League City.~~

- ~~All League City thoroughfare proposals which are dashed are shown in their Transportation Plan. Although at this time, probably not critical to League City's development of the vacant land adjacent to Friendswood, it is critical that Friendswood begin to establish alignments and be certain there is coordination, and communications are prevalent between the two cities in this manner.~~

- A future major highway facility shown on the adopted Major Thoroughfare Plan is the Grand Parkway in the southern section of the City. The ultimate construction of this type of highway would be significant to the growth and development within the City. of either side of F.M. 528.

Formatted: List Paragraph, Bulleted + Level: 1 +
Aligned at: 0.25" + Indent at: 0.5"

The following are features shown on Figure 7a:

Amendment of Greenbriar Extension—The City of Friendswood Planning and Zoning Commission has voted to amend the portion of the Major Thoroughfare Plan that calls for the extension of Greenbriar to FM 528. The proposed extension would have required an additional traffic at Greenbriar and FM 528. Thus resulting in two lighted intersections within a quarter mile of each other. This would have resulted in more traffic congestion and more importantly create additional safety concerns for the residents of Fox Meadow's Subdivision and those traveling that particular stretch of FM 528.

Designation of Briarcreek as a Collector Street—The City of Friendswood Planning and Zoning Commission has voted to amend the Major Thoroughfare Plan by designating Briarcreek as a collector street to replace the extension of Greenbriar. The designation of Briarcreek as a collector street in the Plan will follow a more natural alignment with Falcon Ridge Boulevard.

Thoroughfare Standards

Street design shall conform to the Subdivision Ordinance and all applicable planning tools, as well as specifications outlined in the Design Criteria Manual. Other considerations for design shall include street function, street capacity, service levels, traffic safety, pedestrian safety and utility locations.

The City of Friendswood has three new major thoroughfare to be developed in the future: (1) extension of Blackhawk north of Dixie Farm Road, (2) Brittany Bay, and (3) north/south thoroughfare in the vicinity of the Wesley West Cattle Company Property.

Sections—For each route, since they all have regional characteristics, the type of standard or thoroughfare section will likely be determined by agencies other than the City. However, two features which need to be worked into each of the section for local purposes is an adequate right-of-way width for the parkway and median area. This width should be sufficient to accommodate

Formatted: Indent: First line: 0"

landscape planning for the purpose of aesthetics, sound attenuation and problems associated with pollutants.

The Subdivision ordinance 85-19 provides for the following rights of way to be established:

Major Thoroughfare	120 feet
Collector	80 feet
Commercial	80 feet
Boulevard	80 feet
Minor	60 feet

To provide more flexibility for planning purposes, a range of right-of-way widths has been developed using the established widths from the ordinance. These ranges are shown on Figures 7 and 7a.

- Industrial and Commercial Streets – The separate street section for streets in commercial and industrial districts is to accommodate trucks and other commercial vehicles. A minimum right-of-way of eighty feet provides adequate space for turning and maneuvering movement within the public right-of-way.

Formatted: Font: Not Bold

- Bicycle Lanes and Trails – Space should be provided both on the major thoroughfares, boulevards, and secondary or collector streets for the bicyclist. The street sections for those streets indicated to function as links in the trail system shown on Figure 16 should be considered when thoroughfare rights of way are under construction during review of construction plans subdivision plats. The alternatives for location of a trail within the right-of-way are shown on Figure 15.

Formatted: Font: (Default) Times New Roman, 12 pt

Formatted: List Paragraph, Bulleted + Level: 1 +
Aligned at: 0.25" + Indent at: 0.5"

Formatted: Font: (Default) Times New Roman, 12 pt,
Not Bold

Formatted: Normal, No bullets or numbering

Formatted: Font: (Default) Times New Roman, 12 pt

Formatted: Font: (Default) Times New Roman, 12 pt

Formatted: Font: (Default) Times New Roman, 12 pt

Formatted: Font: (Default) Times New Roman, 12 pt

Formatted: Font: (Default) Times New Roman, 12 pt

Formatted: Font: (Default) Times New Roman, 12 pt

2017 Planning and Zoning Commission To Do List

Item	Action	Target Date	Committee	Complete	Date
Permitted Use Table/NAICS Codes (annually)	Annual Review	January	n/a	X	Jan. 2017
Ordinance: Fences, Walls and Hedges change as directed by City Council	Work session JPH Recommendation	April	Ordinance	X	Aug. 17
Design Criteria Manual Review/update the Site development section and Parking Group Table; DD Amenities updated 2015	Review Recommendation	April	Ordinance	X	17-Jun
Official Zoning Map Review/update; last adoption Jan. 2015	Work session JPH Recommendation	May	Ordinance	in process; on hold	
Future Land Use Map Review/update; last update 2008	Review/update Town Hall Meetings for Public Input Work Session JPH Recommendation	June	Planning	in process	
Major Thoroughfare Plan last adoption 2004; reviewed in 2010 by Council and 2011 by P&Z	Review/update Town Hall Meetings for Public Input Work Session JPH Recommendation	September	Planning		

2017 Planning and Zoning Commission To Do List

Zoning Ordinance Reorganize, bring in line with adopted building code, remove LNC zoning which was started several years ago, etc.	Review/update Town Hall Meetings for Public Input Work Session JPH Recommendation	October	Ordinance		
Subdivision Ordinance Review/update; bring in line with a few state laws, Life safety code, and general changes	Review/update Town Hall Meetings for Public Input Work Session JPH Recommendation	January	Ordinance		

Presentations by Others

Parks Master Plan by James Toney			n/a		
Capital Improvements Program by Patrick Donart		March	n/a		
Design Criteria Manual by Patrick Donart		April	n/a		
Utility Master Plan by Patrick or Rene			n/a		