

MASTER DRAINAGE PLAN



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DANNENBAUM

ENGINEERING COMPANY - HOUSTON, LLC
T.B.P.E. FIRM REGISTRATION #8998
3100 WEST ALABAMA HOUSTON, TEXAS 77098 (713) 520-9570

December 2010

MASTER DRAINAGE PLAN

EXHIBITS

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VICINITY MAP
N.T.S



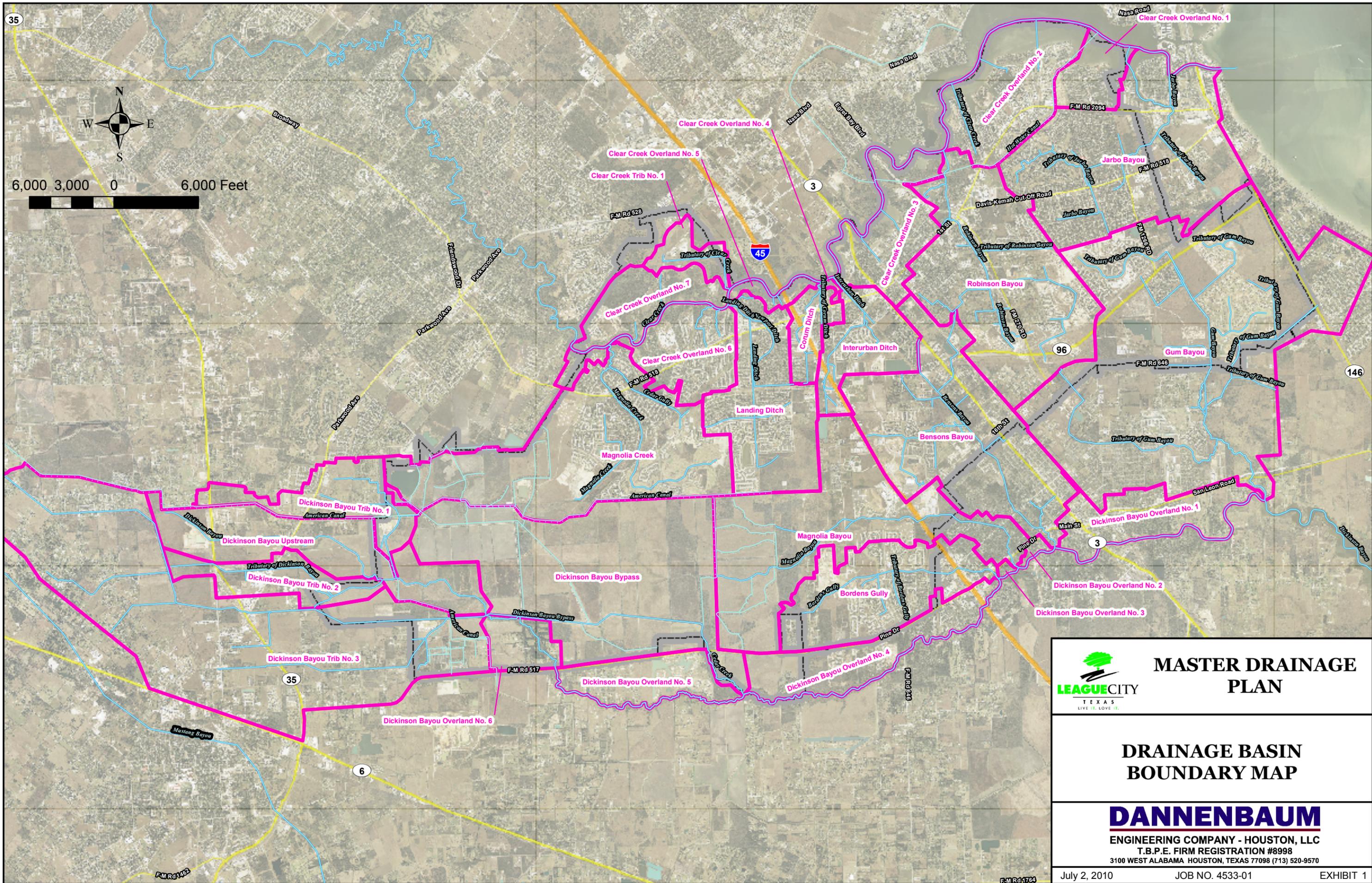
MASTER DRAINAGE PLAN



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MASTER DRAINAGE PLAN

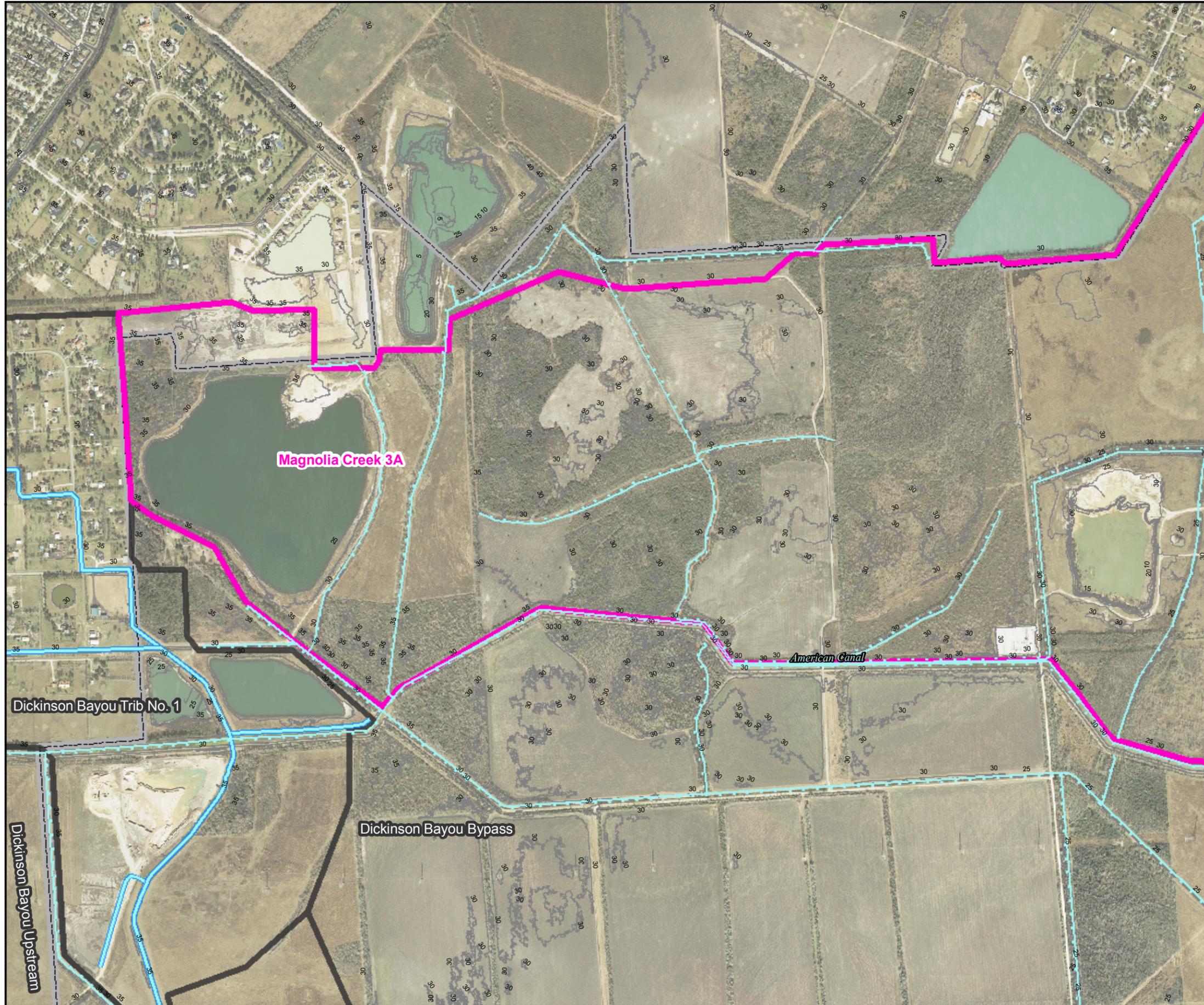
DRAINAGE BASIN BOUNDARY MAP

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July 2, 2010
JOB NO. 4533-01
EXHIBIT 1

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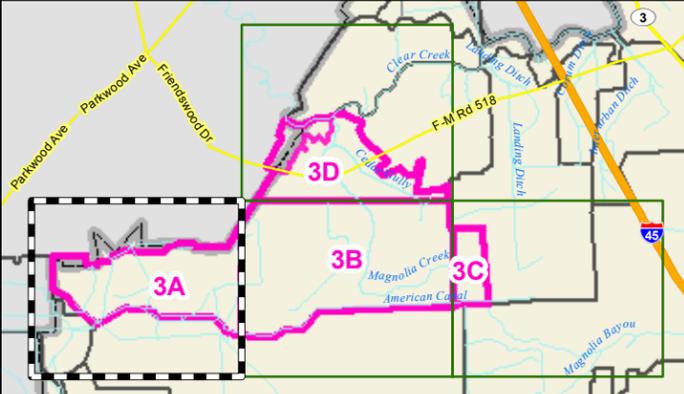
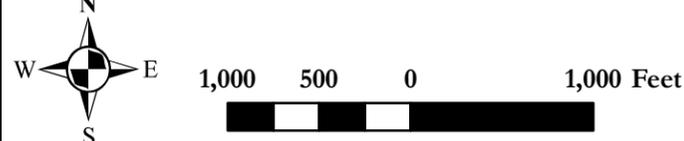


3D

Legend

	Magnolia Creek and Clear Creek Ov No 8		Floodway
	Other Subwatersheds		1% Chance Floodplain
	Channel		Zone A
	Canal		0.2% Chance Floodplain
	Identifier Layer		
	League City		

Source
 Aerial imagery provided by H-GAC, dated 2008.
 Contours provided by H-GAC, created from 2008 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.



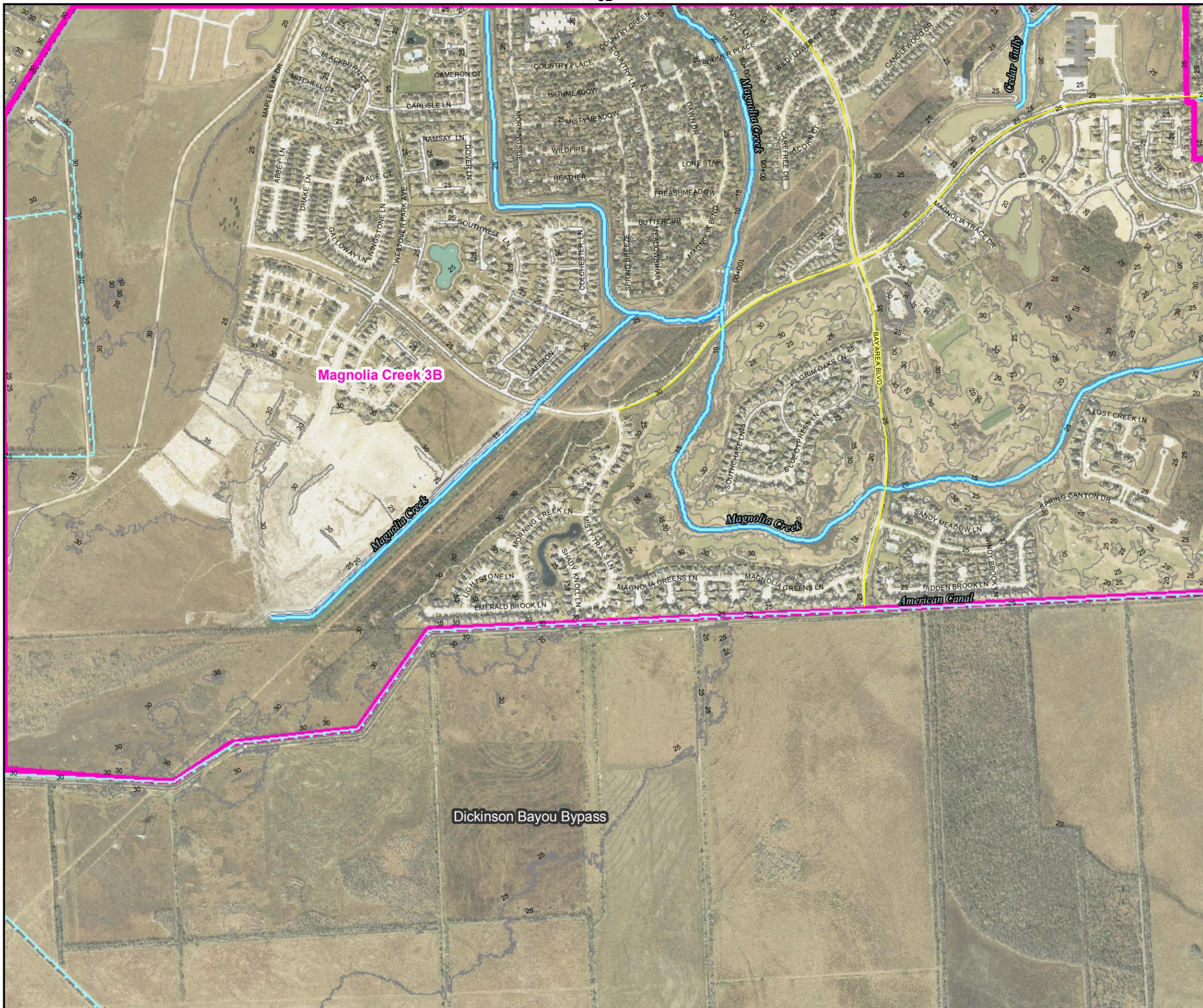
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MAGNOLIA CREEK DRAINAGE BASIN INDEX # 3A

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3D



3A

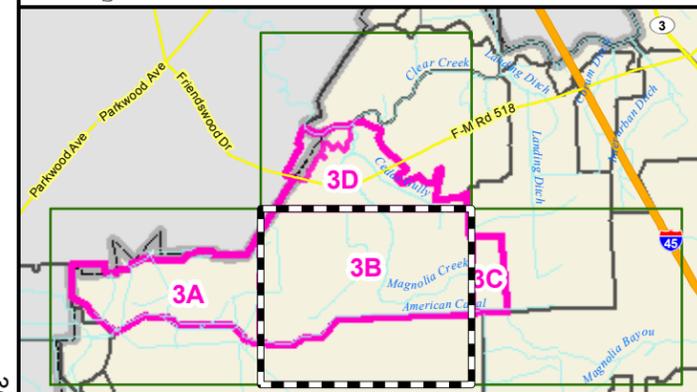
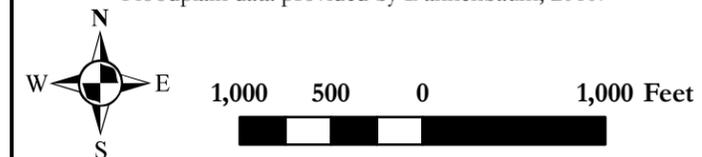
3C

Legend

- Magnolia Creek and Clear Creek Ov No 8
- Other Subwatersheds
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source

Aerial imagery provided by H-GAC, dated 2008.
 Contours provided by H-GAC, created from 2008 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.

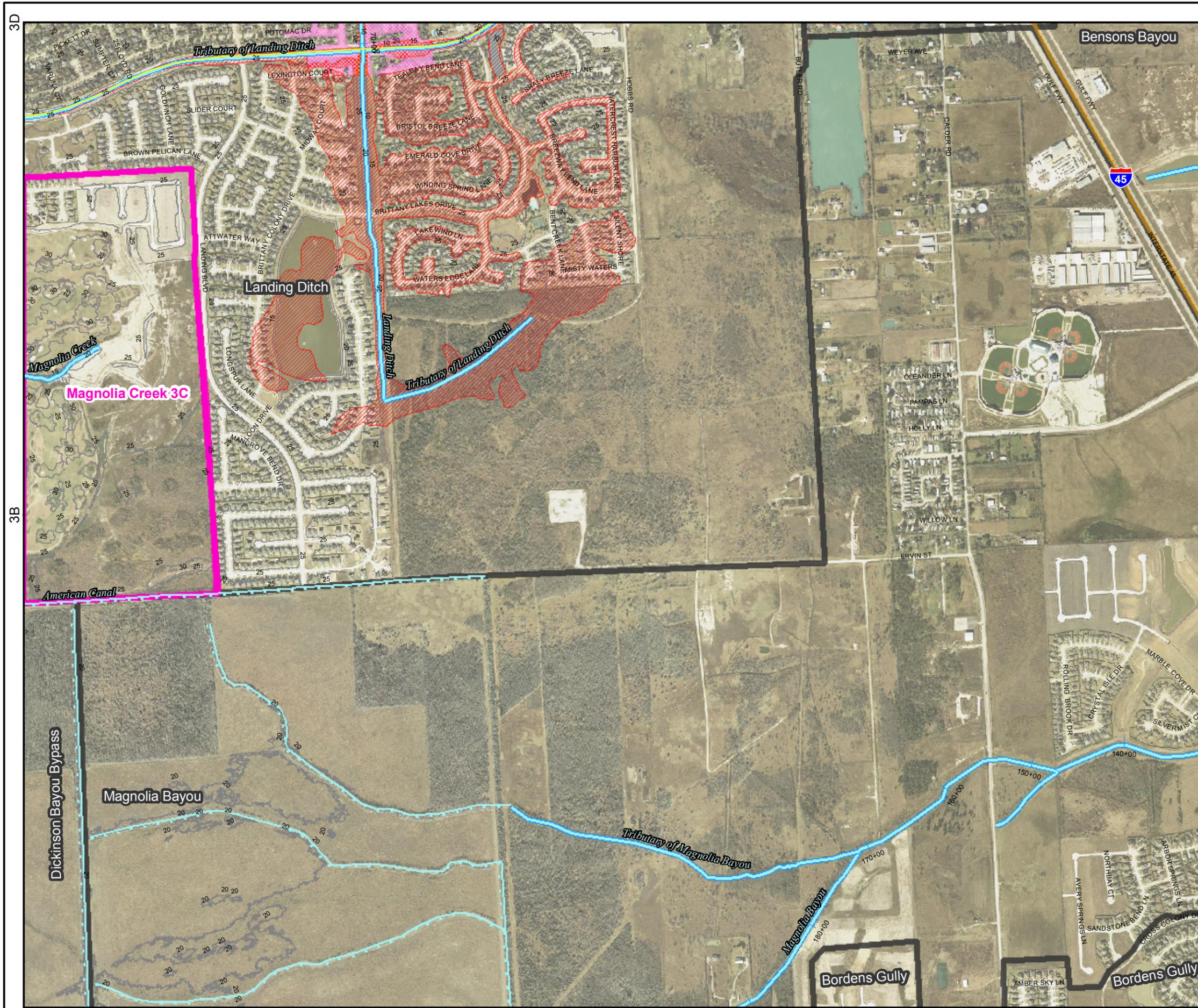


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MAGNOLIA CREEK DRAINAGE BASIN INDEX # 3B

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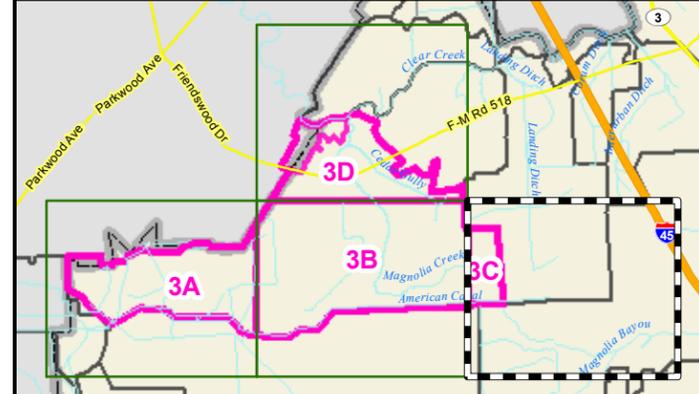
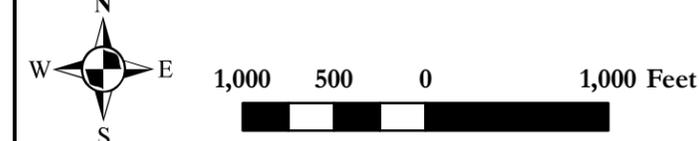
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Legend

	Magnolia Creek and Clear Creek Ov No 8		Floodway
	Other Subwatersheds		1% Chance Floodplain
	Channel		Zone A
	Canal		0.2% Chance Floodplain
	Identifier Layer		
	League City		

Source
 Aerial imagery provided by H-GAC, dated 2008.
 Contours provided by H-GAC, created from 2008 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.



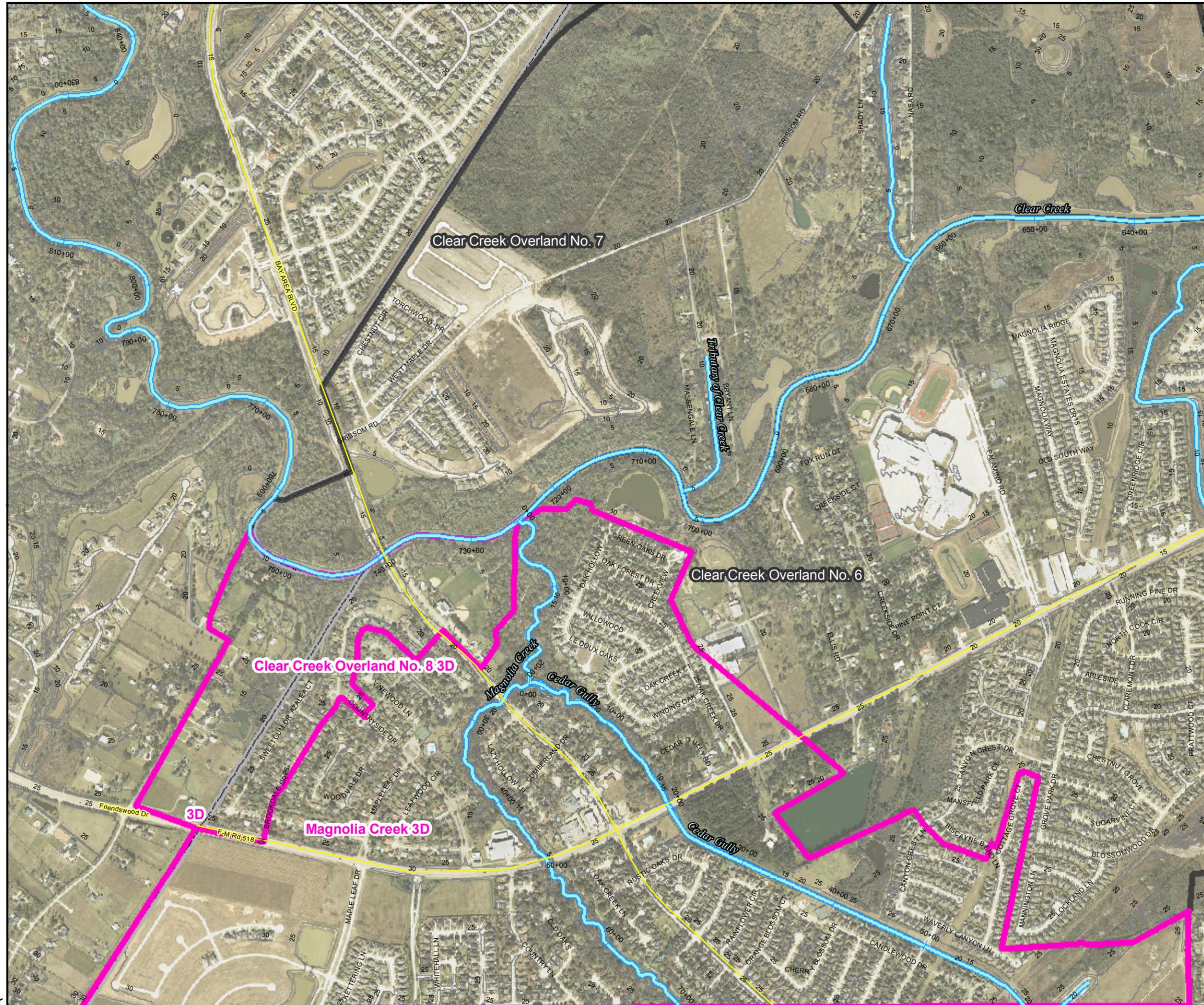
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MAGNOLIA CREEK DRAINAGE BASIN INDEX # 3C

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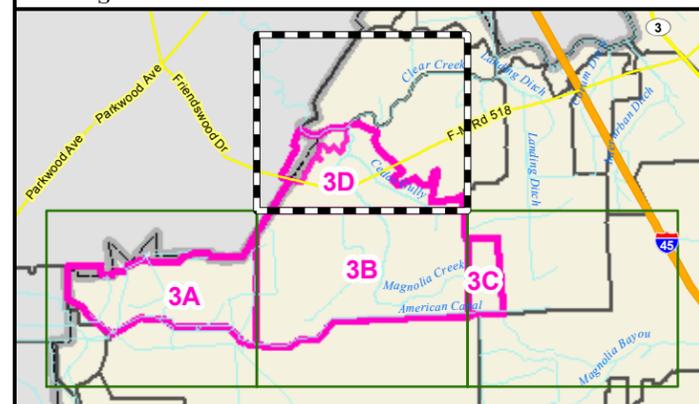
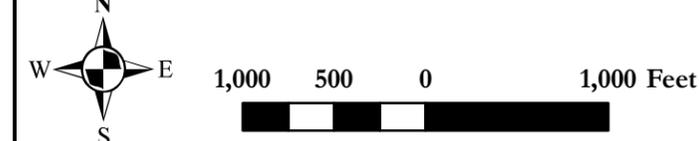
DISCLAIMER: This map was generated by Dannenbaum Engineering Corporation using GIS (Geographic Information Systems) software. No claims are made to the accuracy or completeness of the information shown herein nor to its suitability for a particular use. The scale and location of all mapped data are approximate.



Legend

	Magnolia Creek and Clear Creek Ov No 8		Floodway
	Other Subwatersheds		1% Chance Floodplain
	Channel		Zone A
	Canal		0.2% Chance Floodplain
	Identifier Layer		
	League City		

Source
 Aerial imagery provided by H-GAC, dated 2008.
 Contours provided by H-GAC, created from 2008 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.



MASTER DRAINAGE PLAN

MAGNOLIA CREEK DRAINAGE BASIN INDEX # 3D

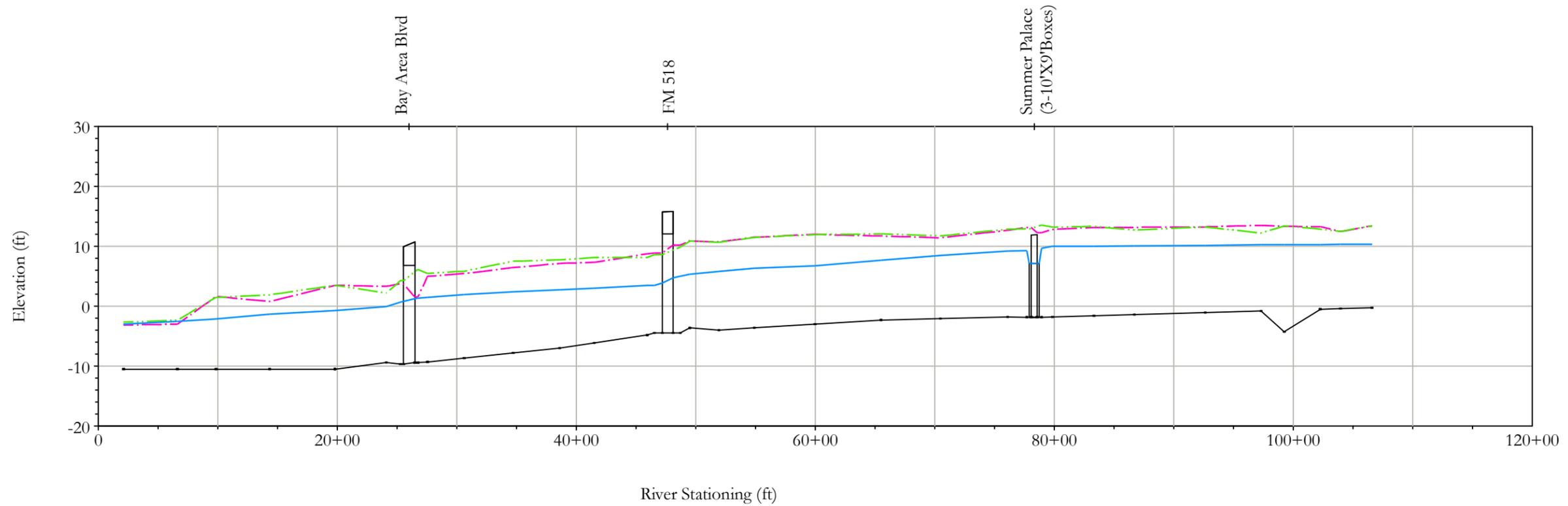
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3A

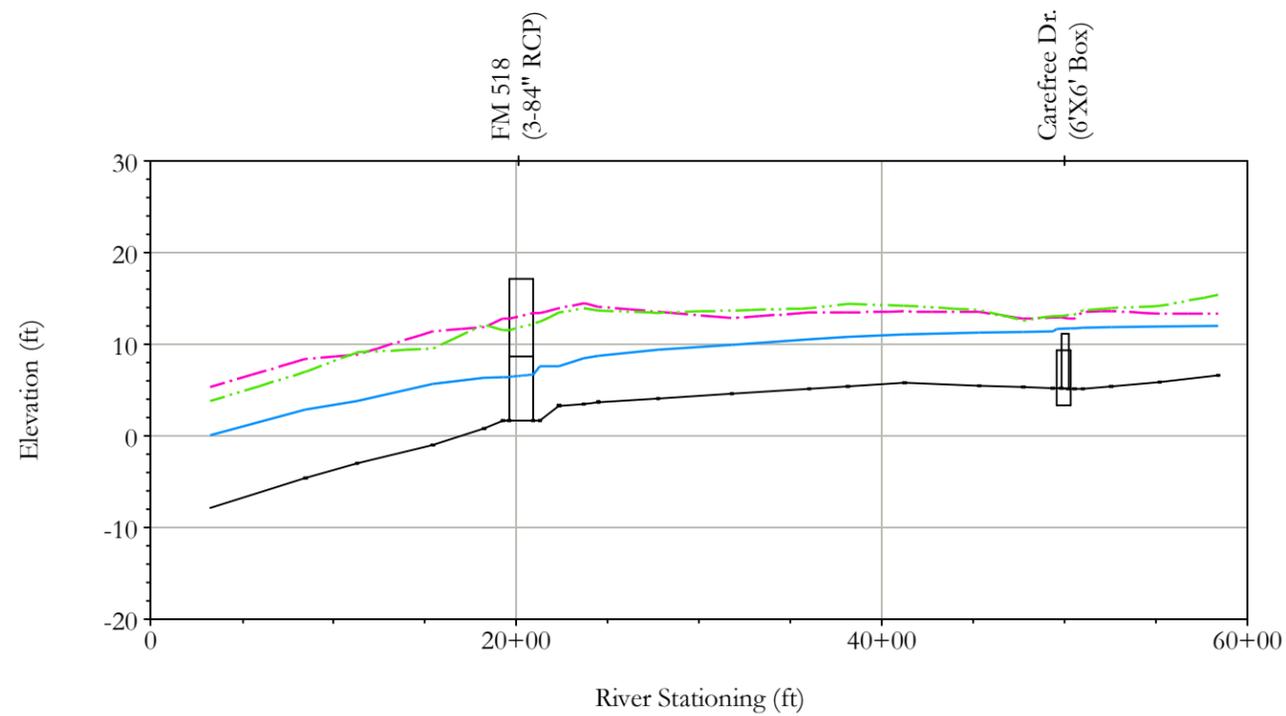
3B

3C

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Magnolia Creek Upper



Cedar Gully

Legend

- · - Left Overbank
- · - Right Overbank
- 1% Chance Flood WSEL

Source

Profile data provided by Dannenbaum, 2006.



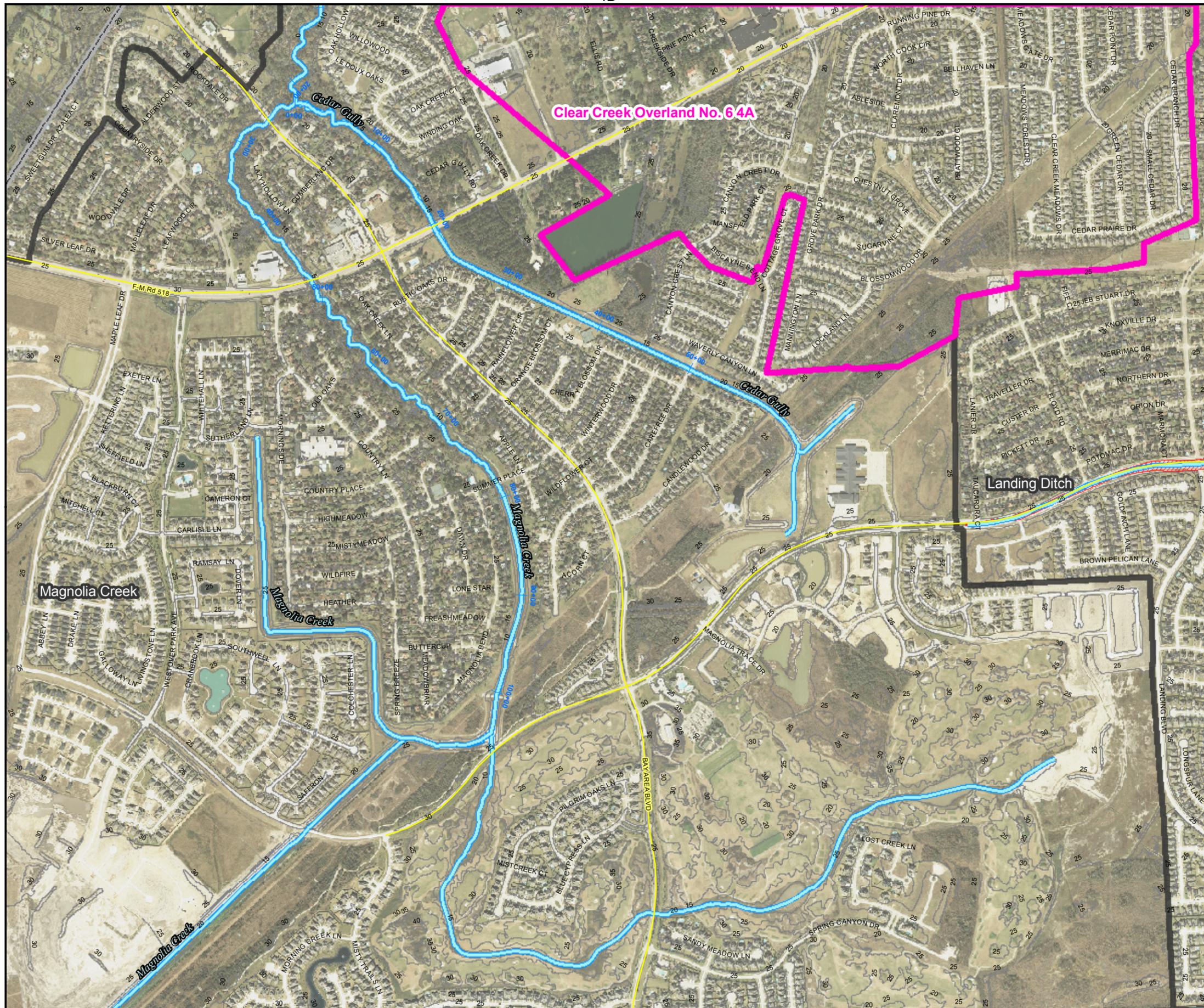
MASTER DRAINAGE PLAN

**CHANNEL PROFILES
MAGNOLIA CREEK
DRAINAGE BASIN**

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4B

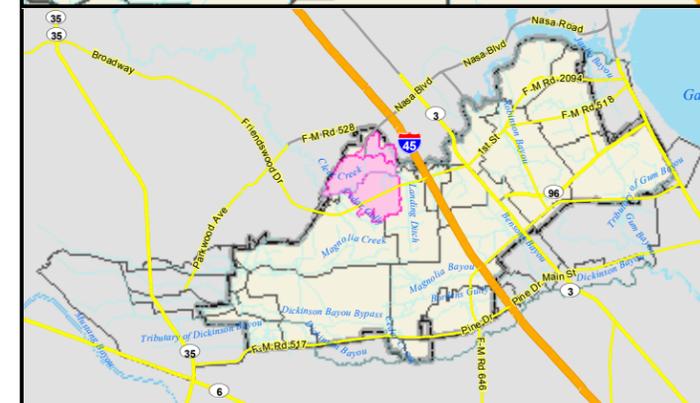
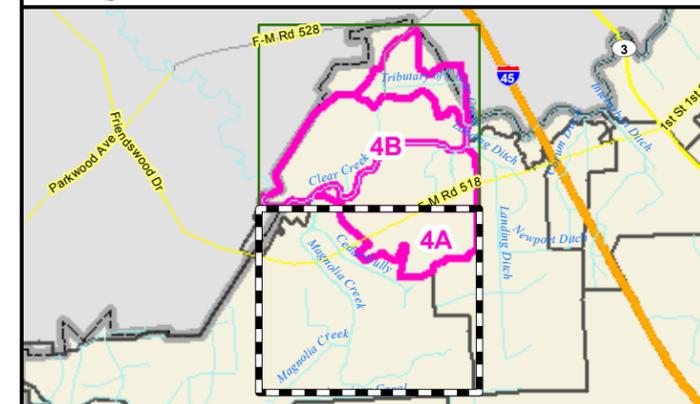
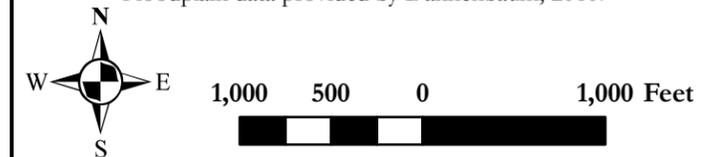


Legend

- Other Subwatersheds
- Clear Creek Trib 1 & Clear Creek Ov No. 6 & 7
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source

Aerial imagery provided by H-GAC, dated 2008.
 Contours provided by H-GAC, created from 2008 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.



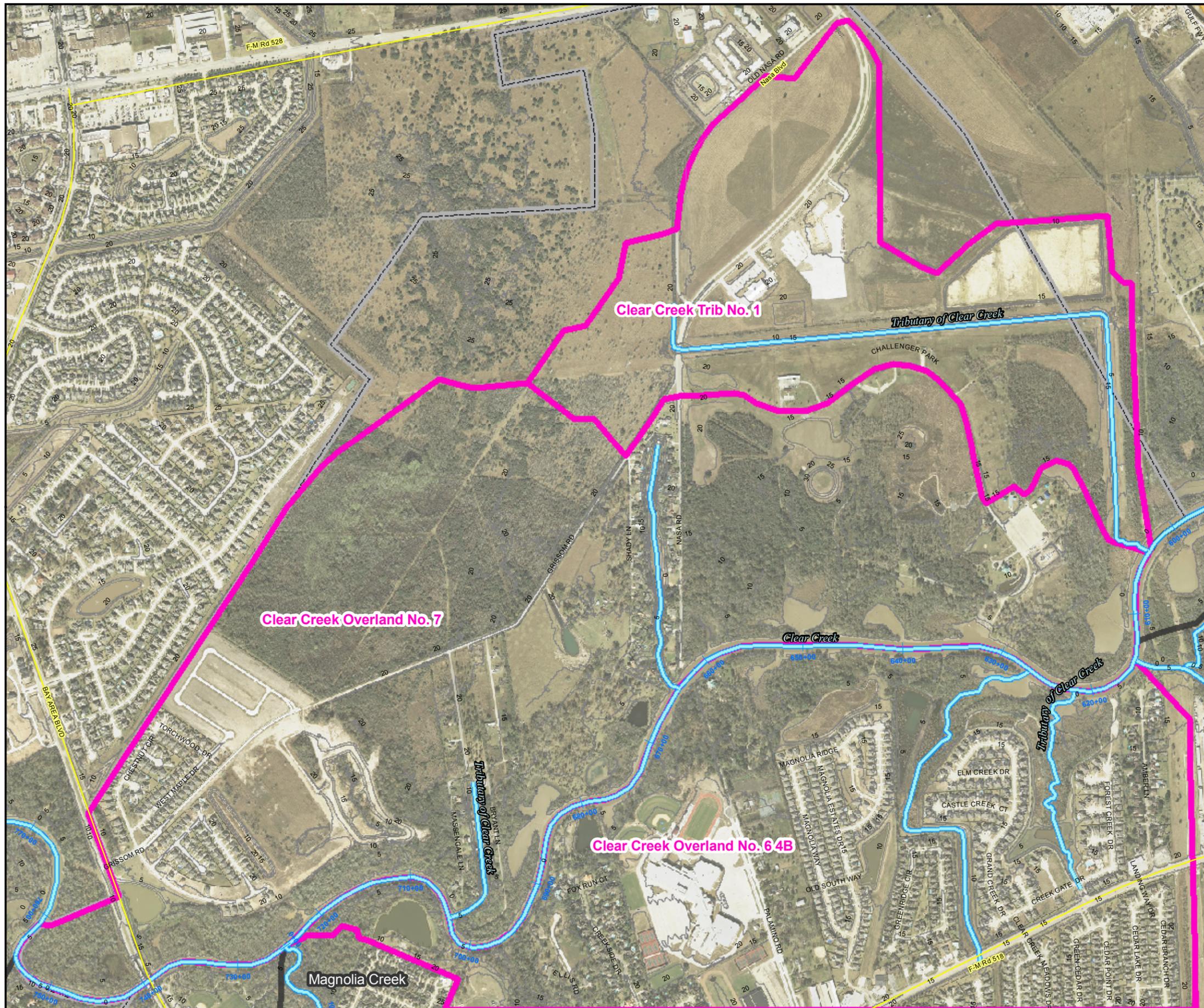
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CLEAR CREEK DRAINAGE BASIN INDEX # 4A

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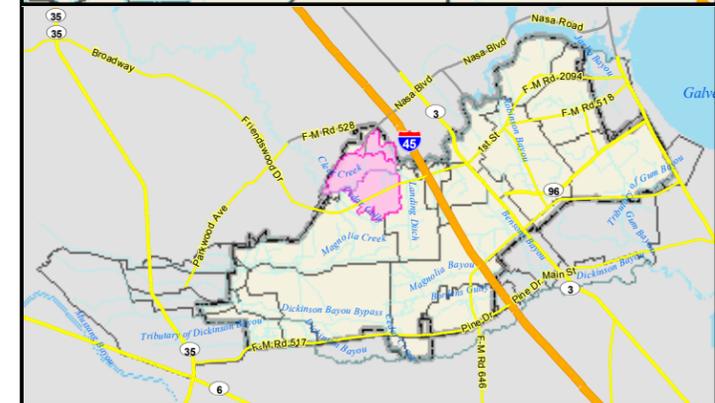
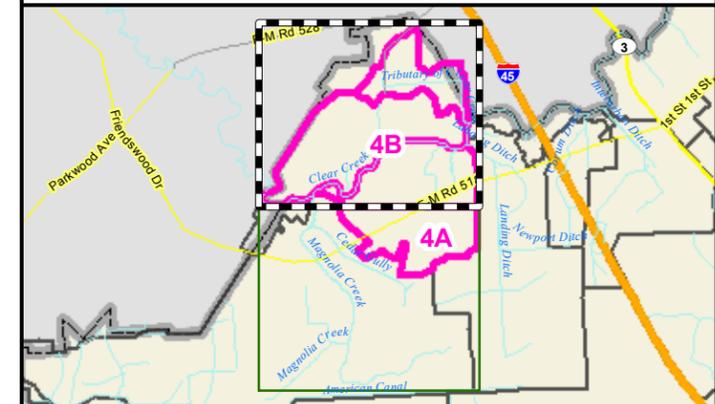
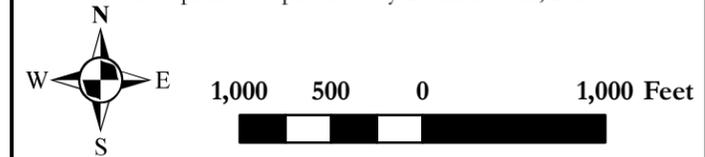
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4A

- Legend**
- Other Subwatersheds
 - Clear Creek Trib 1 & Clear Creek Ov No. 6 & 7
 - Channel
 - Canal
 - Identifier Layer
 - League City
 - Floodway
 - 1% Chance Floodplain
 - Zone A
 - 0.2% Chance Floodplain

Source
 Aerial imagery provided by H-GAC, dated 2008.
 Contours provided by H-GAC, created from 2008 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.

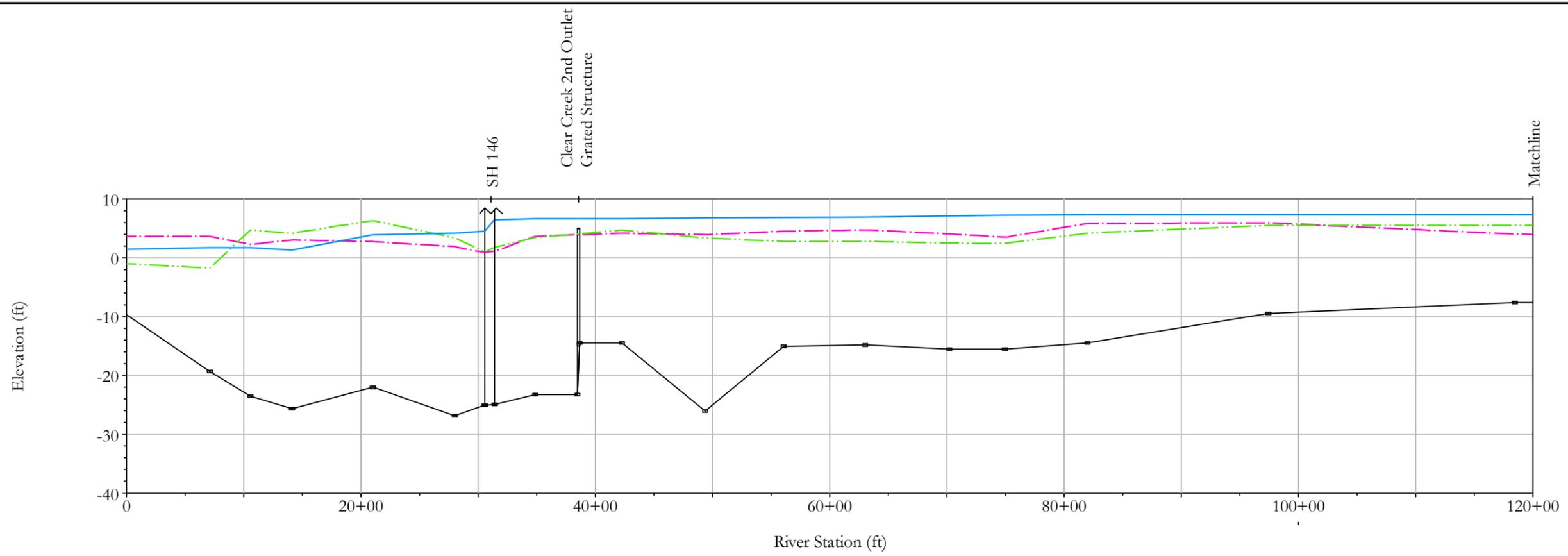


MASTER DRAINAGE PLAN

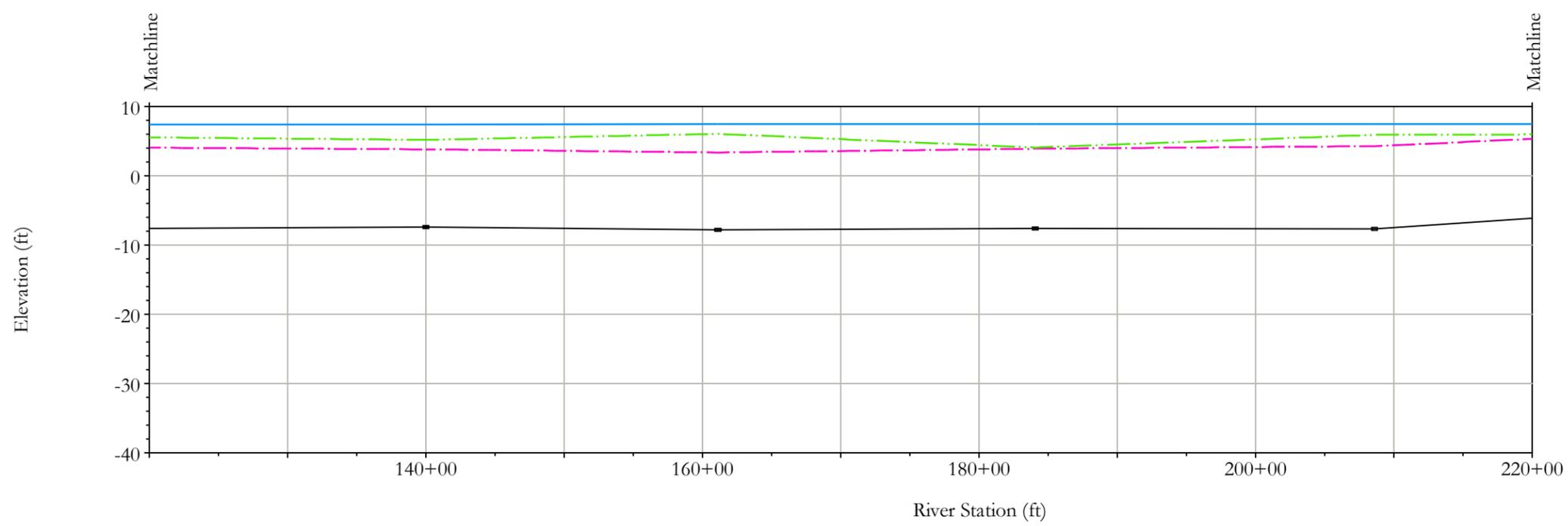
CLEAR CREEK DRAINAGE BASIN INDEX # 4B

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Clear Creek



Clear Creek

Legend

- - - Left Overbank
- - - Right Overbank
- 1% Chance Flood WSEL

Source

Profile data provided by Harris County Flood Control District, April 2010.

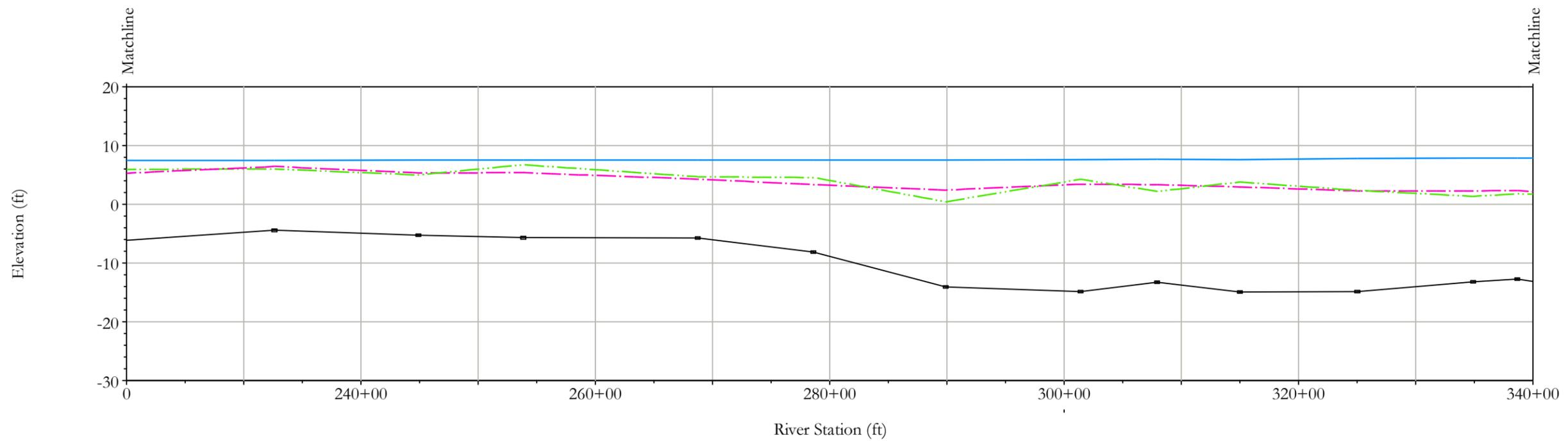


MASTER DRAINAGE PLAN

**CHANNEL PROFILES
CLEAR CREEK
DRAINAGE BASIN**

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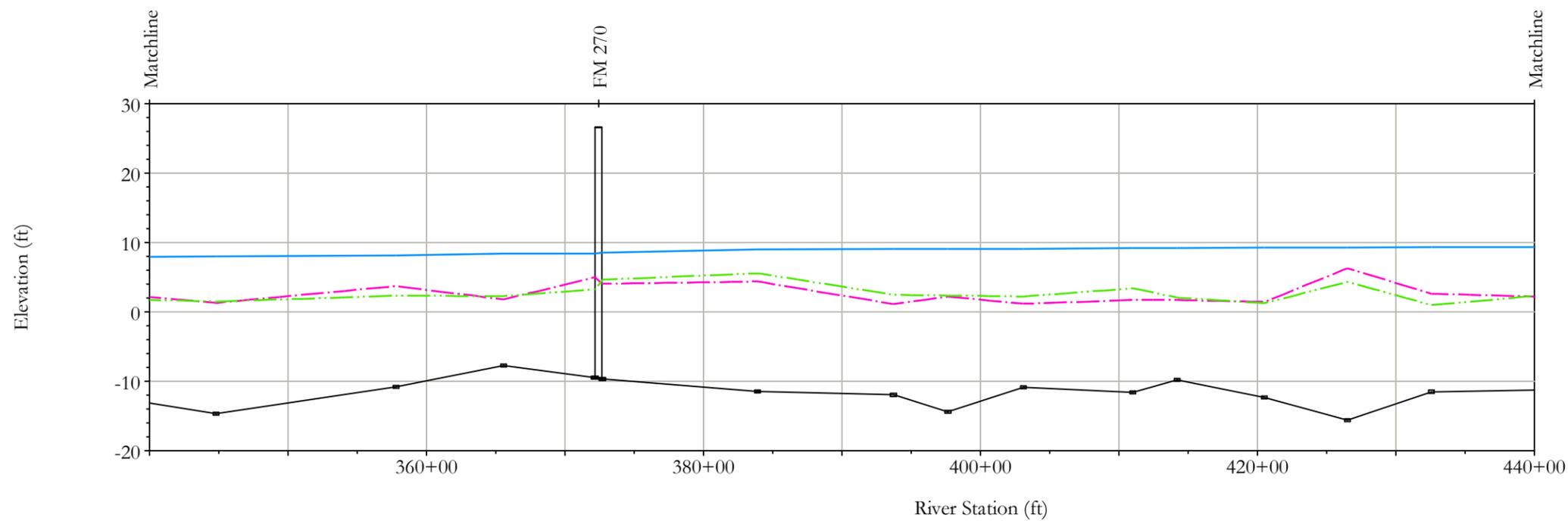
Clear Creek

Legend

- - - Left Overbank
- · - · - Right Overbank
- 1% Chance Flood WSEL

Source

Profile data provided by Harris County Flood Control District, April 2010.



Clear Creek



MASTER DRAINAGE PLAN

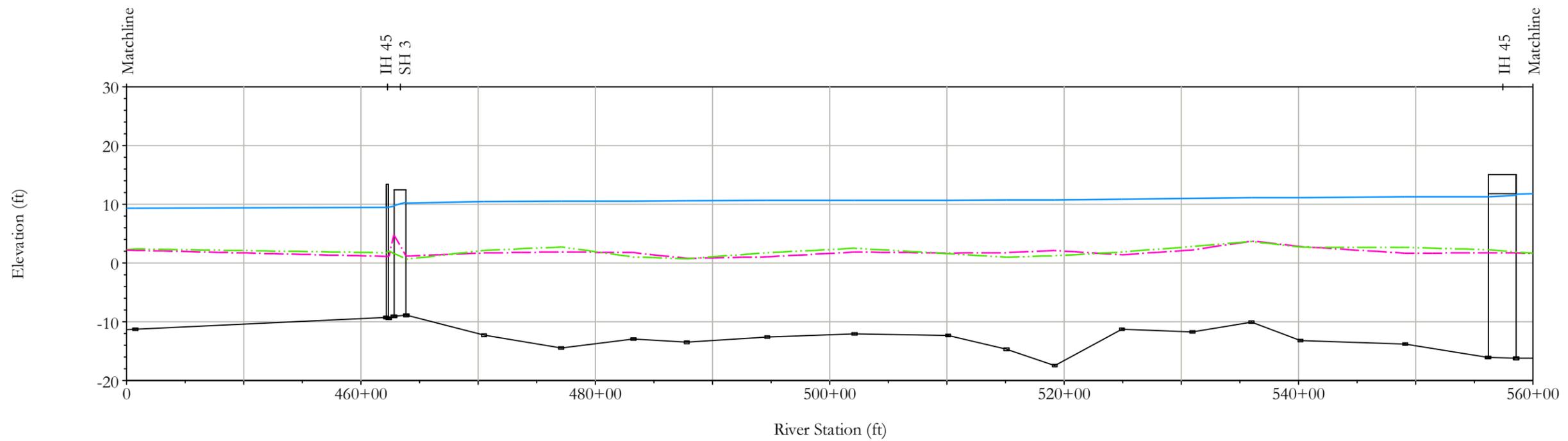
**CHANNEL PROFILES
CLEAR CREEK
DRAINAGE BASIN**

DANNENBAUM
ENGINEERING COMPANY - HOUSTON, LLC
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3100 WEST ALABAMA HOUSTON, TEXAS 77098 (713) 520-9570

August 25, 2010

JOB NO. 4533-01

PROFILE 4D



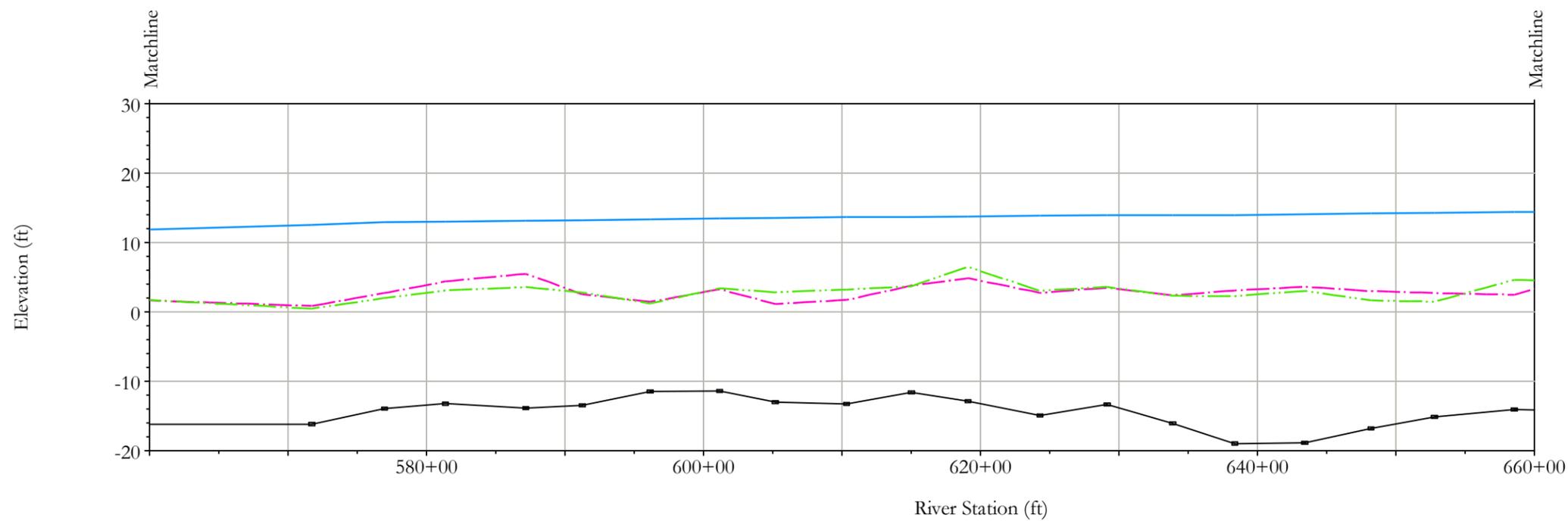
Clear Creek

Legend

- - - Left Overbank
- - - Right Overbank
- 1% Chance Flood WSEL

Source

Profile data provided by Harris County Flood Control District, April 2010.



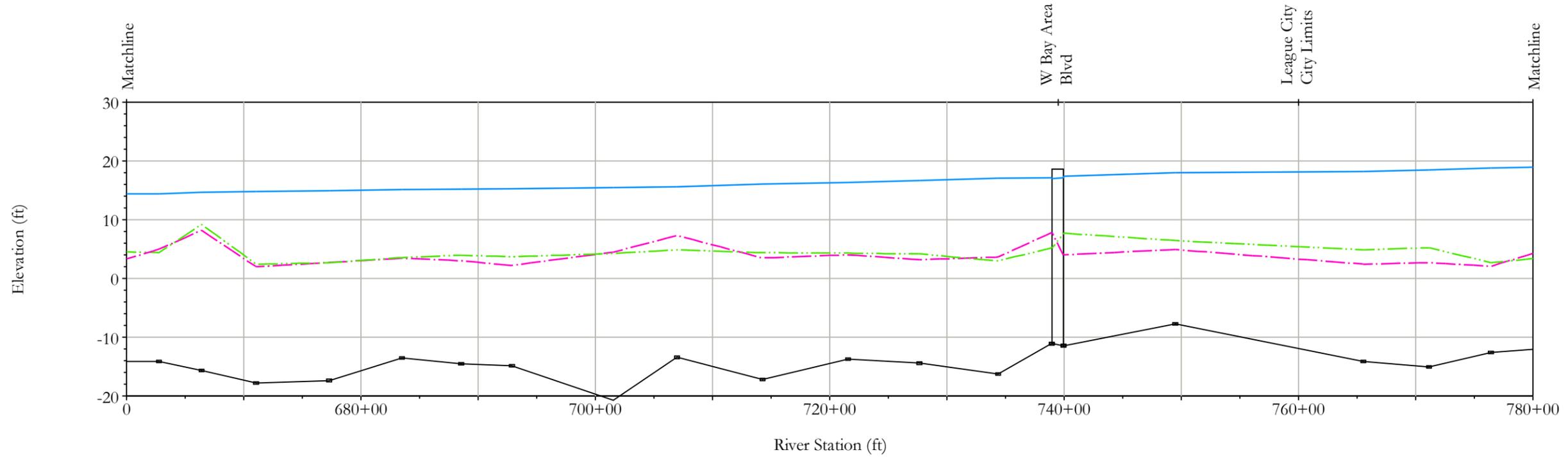
Clear Creek

MASTER DRAINAGE PLAN

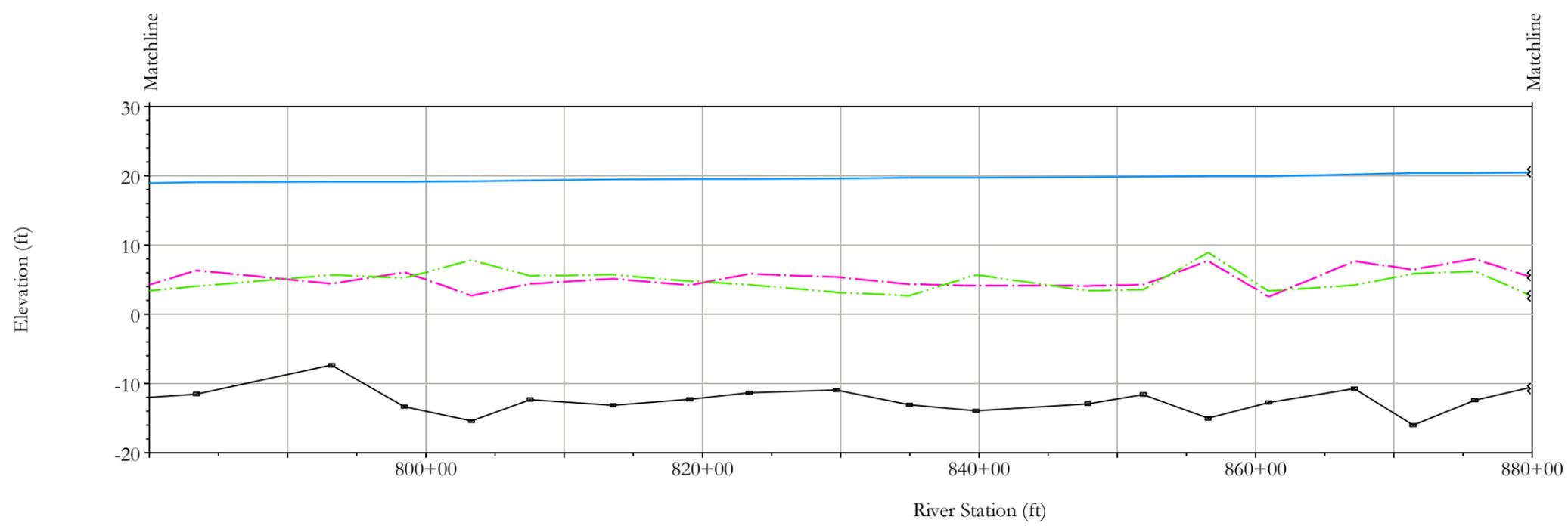
**CHANNEL PROFILES
CLEAR CREEK
DRAINAGE BASIN**

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Clear Creek



Clear Creek

Legend

- - - Left Overbank
- . - . - Right Overbank
- 1% Chance Flood WSEL

Source

Profile data provided by Harris County Flood Control District, April 2010.



MASTER DRAINAGE PLAN

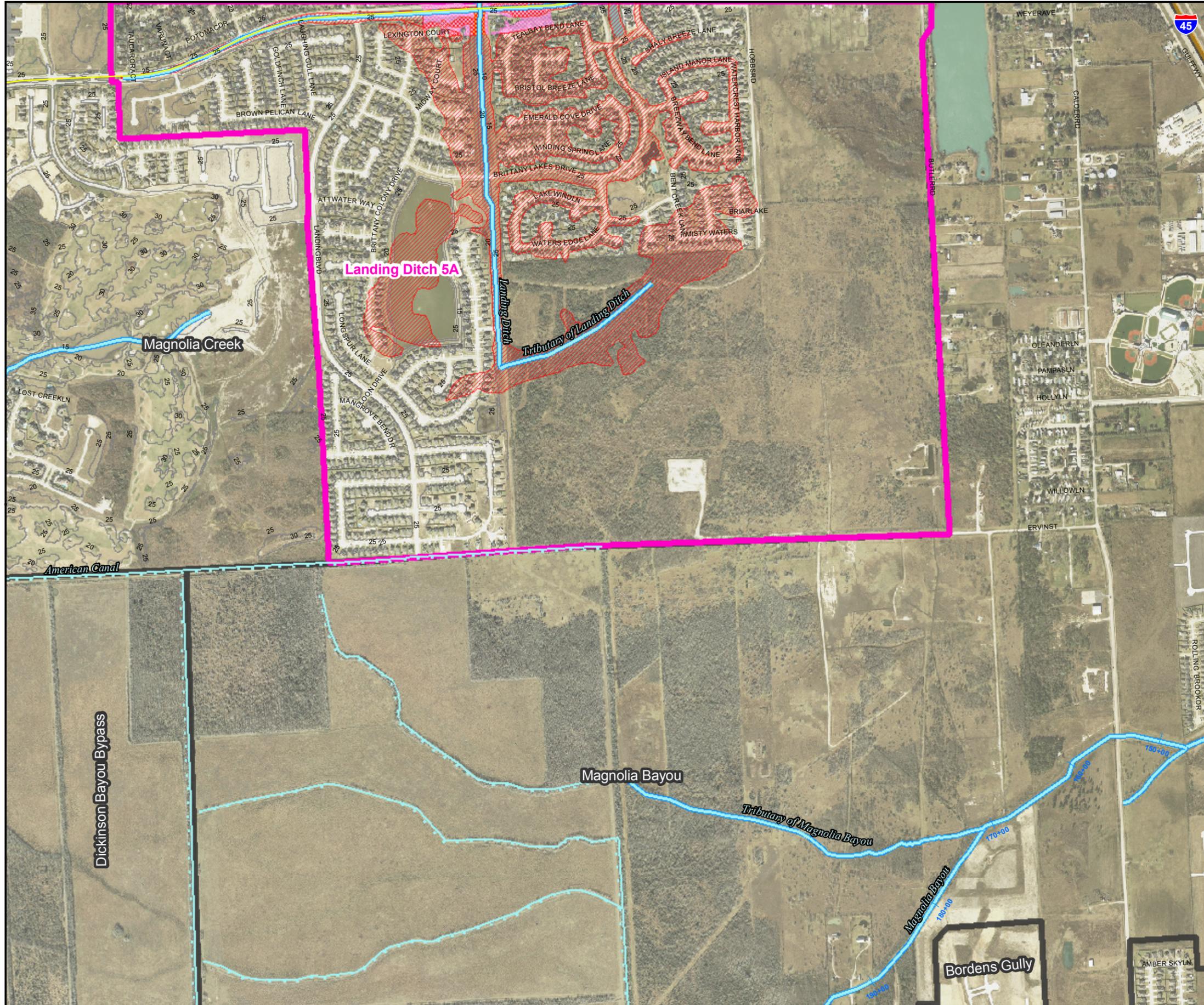
**CHANNEL PROFILES
CLEAR CREEK
DRAINAGE BASIN**

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5B

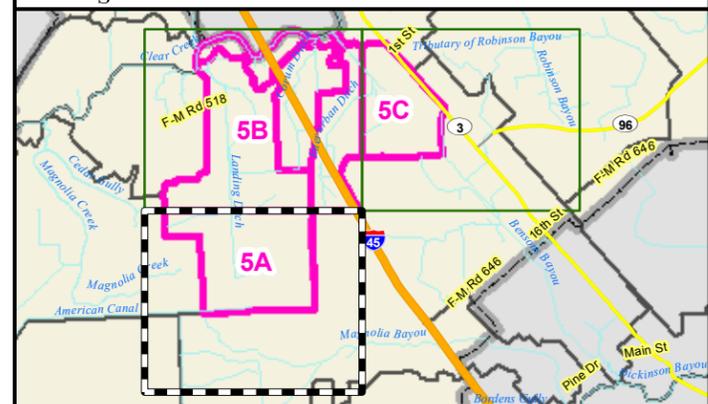
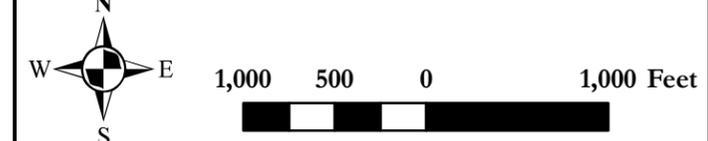
5C



Legend

- Other Subwatersheds
- Corum, Interurban, Landing Ditch & Clear Creek Ov No. 5
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.



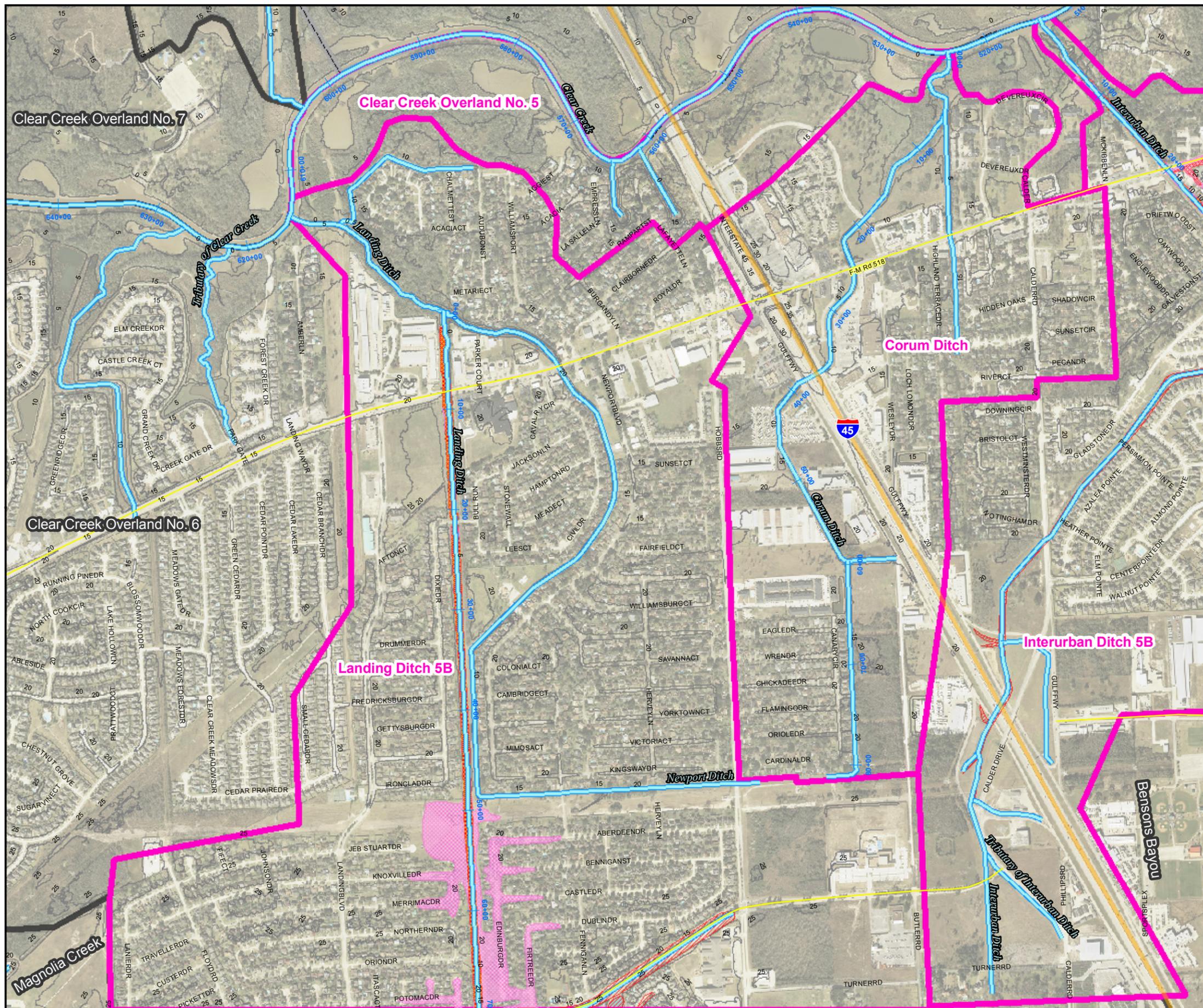
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INTERURBAN, LANDING CORUM, AND NEWPORT DITCH INDEX # 5A

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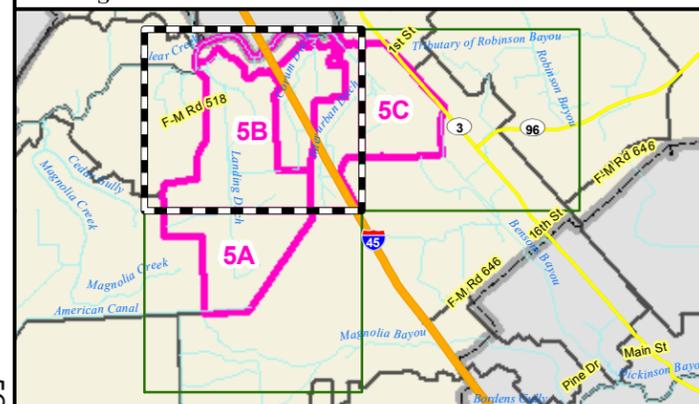
DISCLAIMER: This map was generated by Dannenbaum Engineering Corporation using GIS (Geographic Information Systems) software. No claims are made to the accuracy or completeness of the information shown herein nor to its suitability for a particular use. The scale and location of all mapped data are approximate.



Legend

- Other Subwatersheds
- Corum, Interurban, Landing Ditch & Clear Creek Ov No. 5
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.

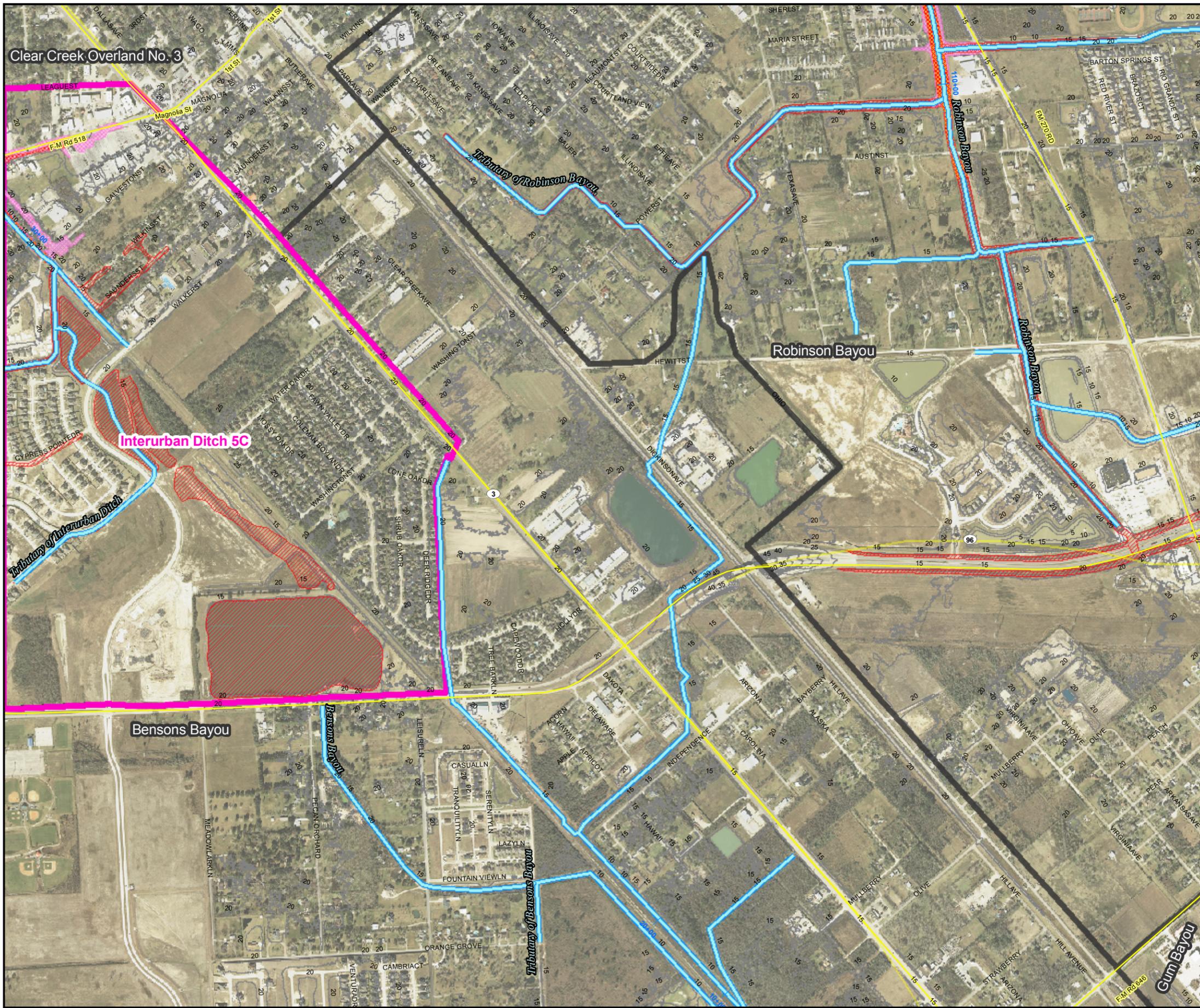


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CORUM, INTERURBAN AND LANDING DITCH INDEX # 5B

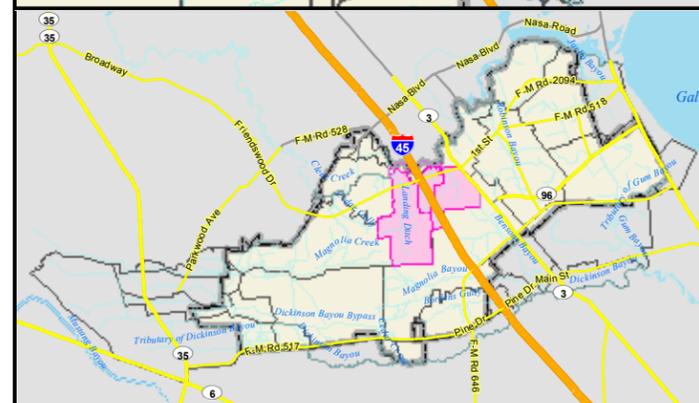
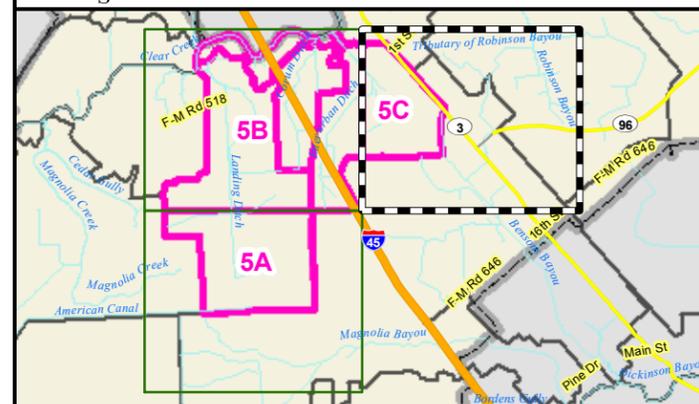
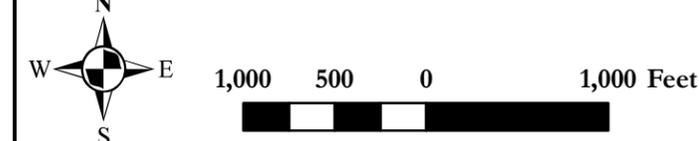
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Legend

- Other Subwatersheds
- Corum, Interurban, Landing Ditch & Clear Creek Ov No. 5
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.



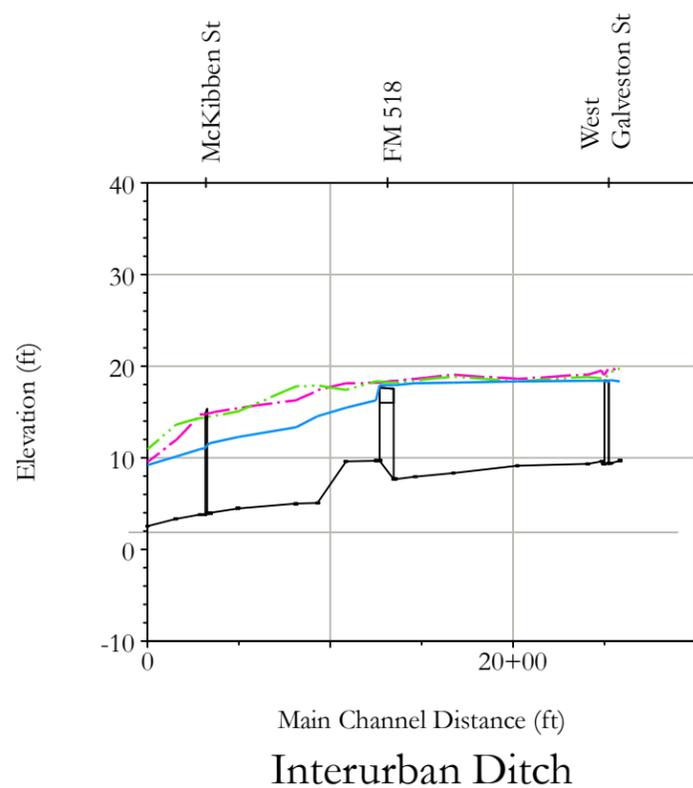
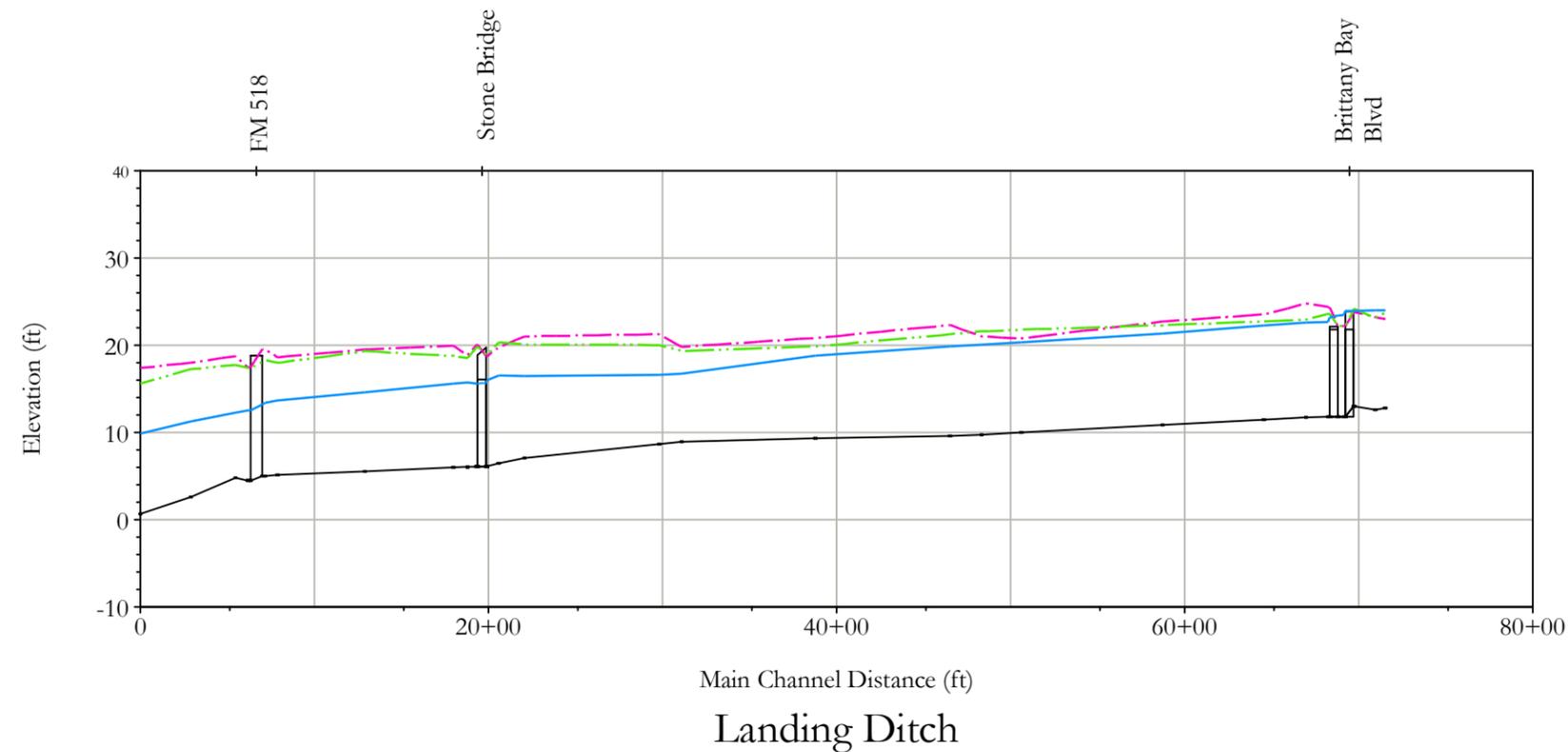
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MASTER DRAINAGE PLAN

INTERURBAN, LANDING CORUM, AND NEWPORT DITCH INDEX # 5C

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- Legend**
- - - Left Overbank
 - . - . Right Overbank
 - 1% Chance Flood WSEL

Source
Preliminary FIRM data provided by Dannenbaum, 2010.

**MASTER DRAINAGE
PLAN**

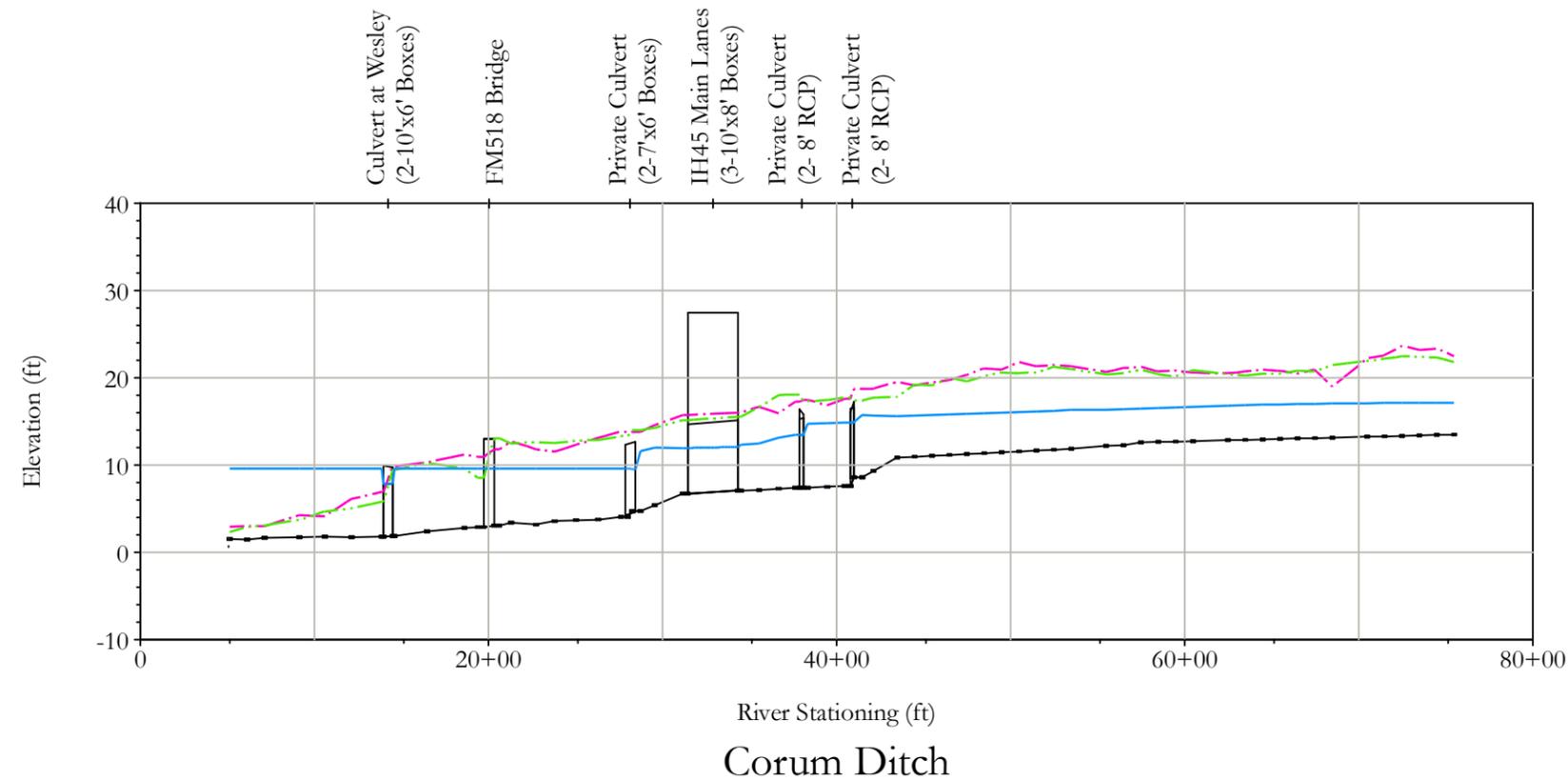
**CHANNEL PROFILES
LANDING & INTERURBAN
DRAINAGE BASINS**

DANNENBAUM
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T.B.P.E. FIRM REGISTRATION #8998
3100 WEST ALABAMA HOUSTON, TEXAS 77098 (713) 520-9570

July 2, 2010

JOB NO. 4533-01

PROFILE 5D



Legend

- - - Left Overbank
- - - Right Overbank
- 1% Chance Flood WSEL

Source

Profile data provided by Dannenbaum, 2006.

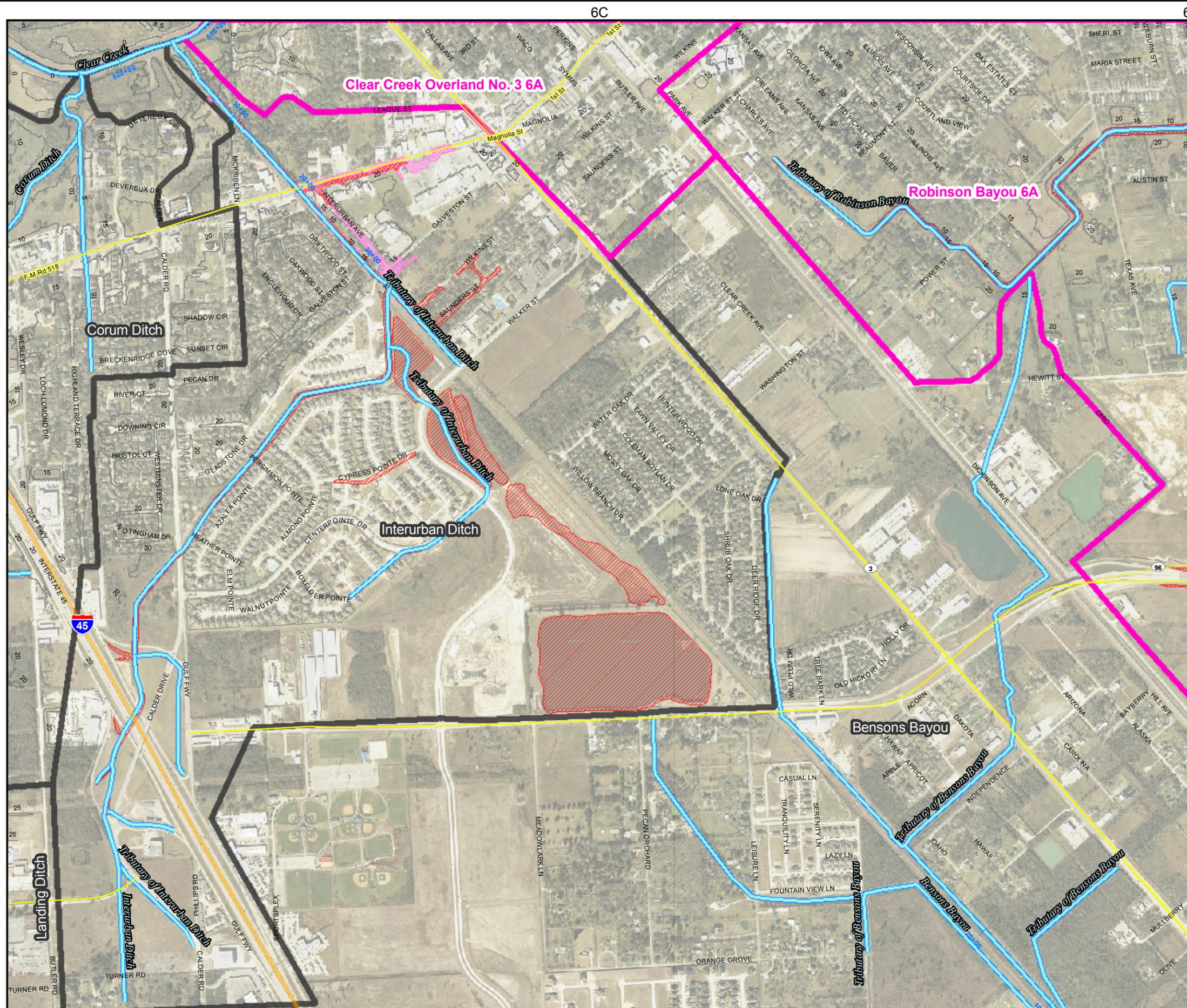


MASTER DRAINAGE PLAN

**CHANNEL PROFILES
LANDING & INTERURBAN
DRAINAGE BASINS**

DANNENBAUM

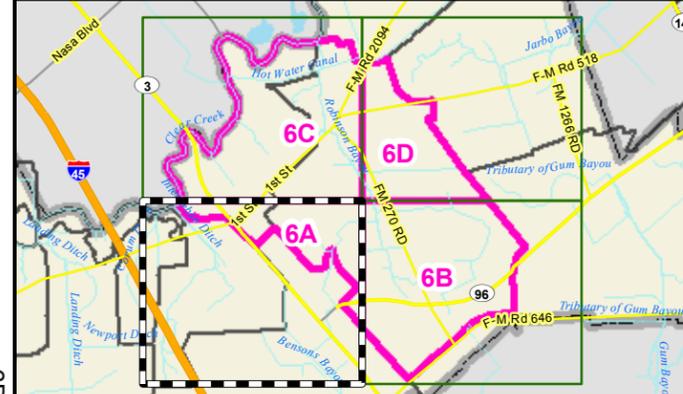
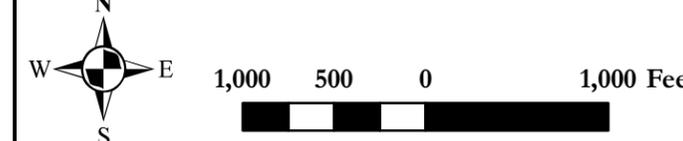
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Legend

- Robinson Bayou & Clear Creek Ov No. 3
- Other Subwatersheds
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.

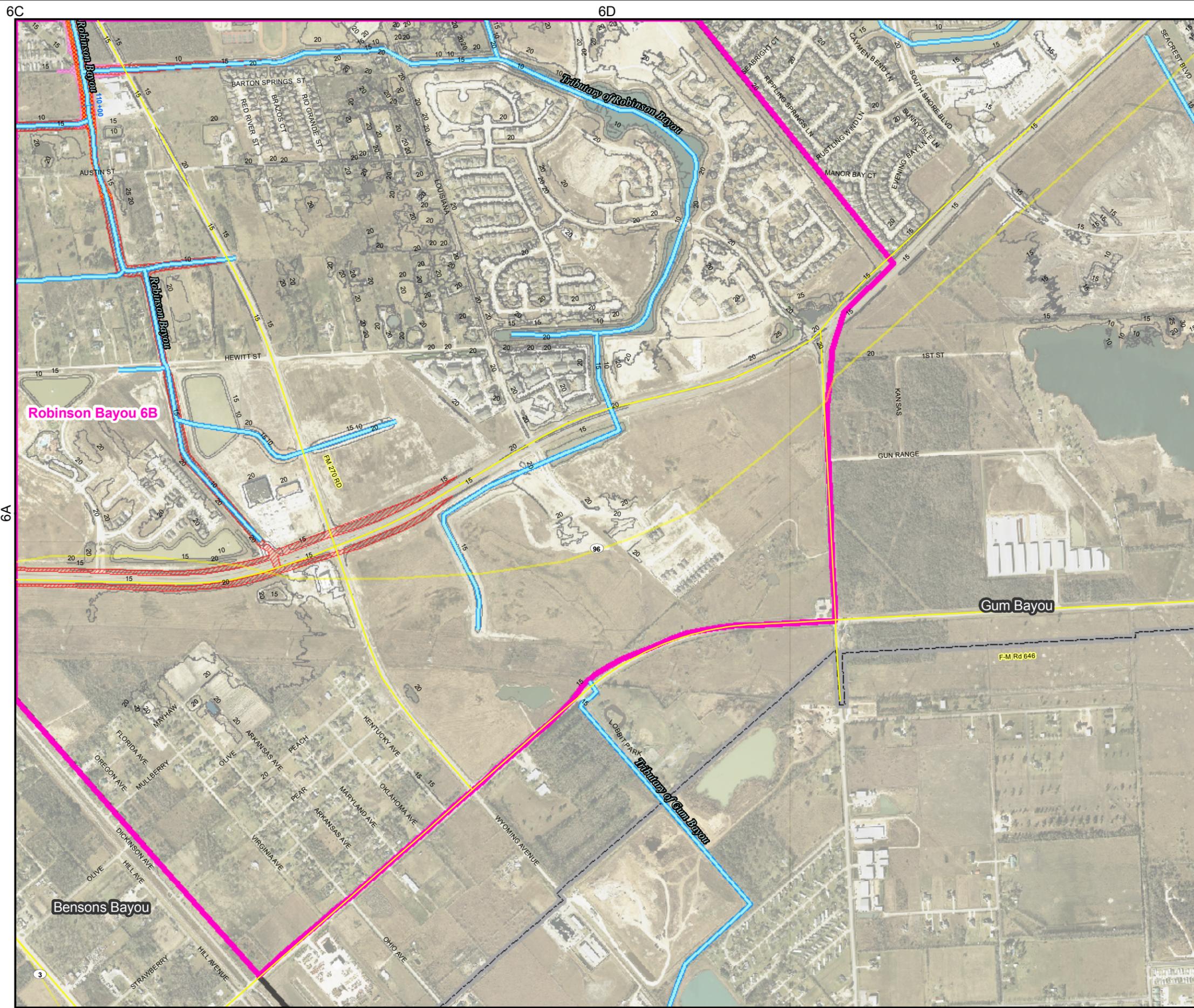


MASTER DRAINAGE PLAN

ROBINSON BAYOU DRAINAGE BASIN INDEX # 6A

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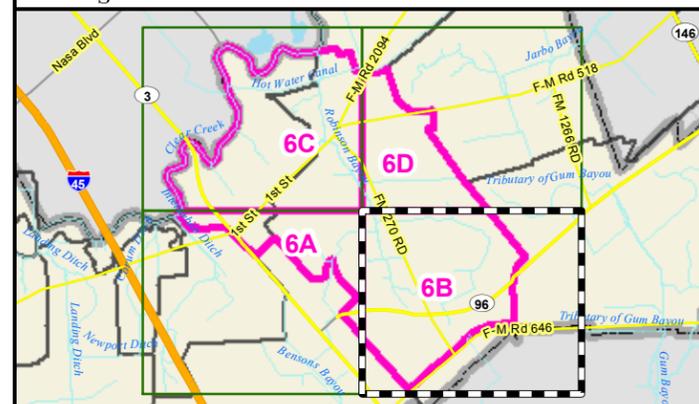
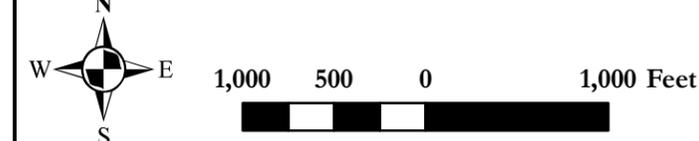
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Legend

- Robinson Bayou & Clear Creek Ov No. 3
- Other Subwatersheds
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.



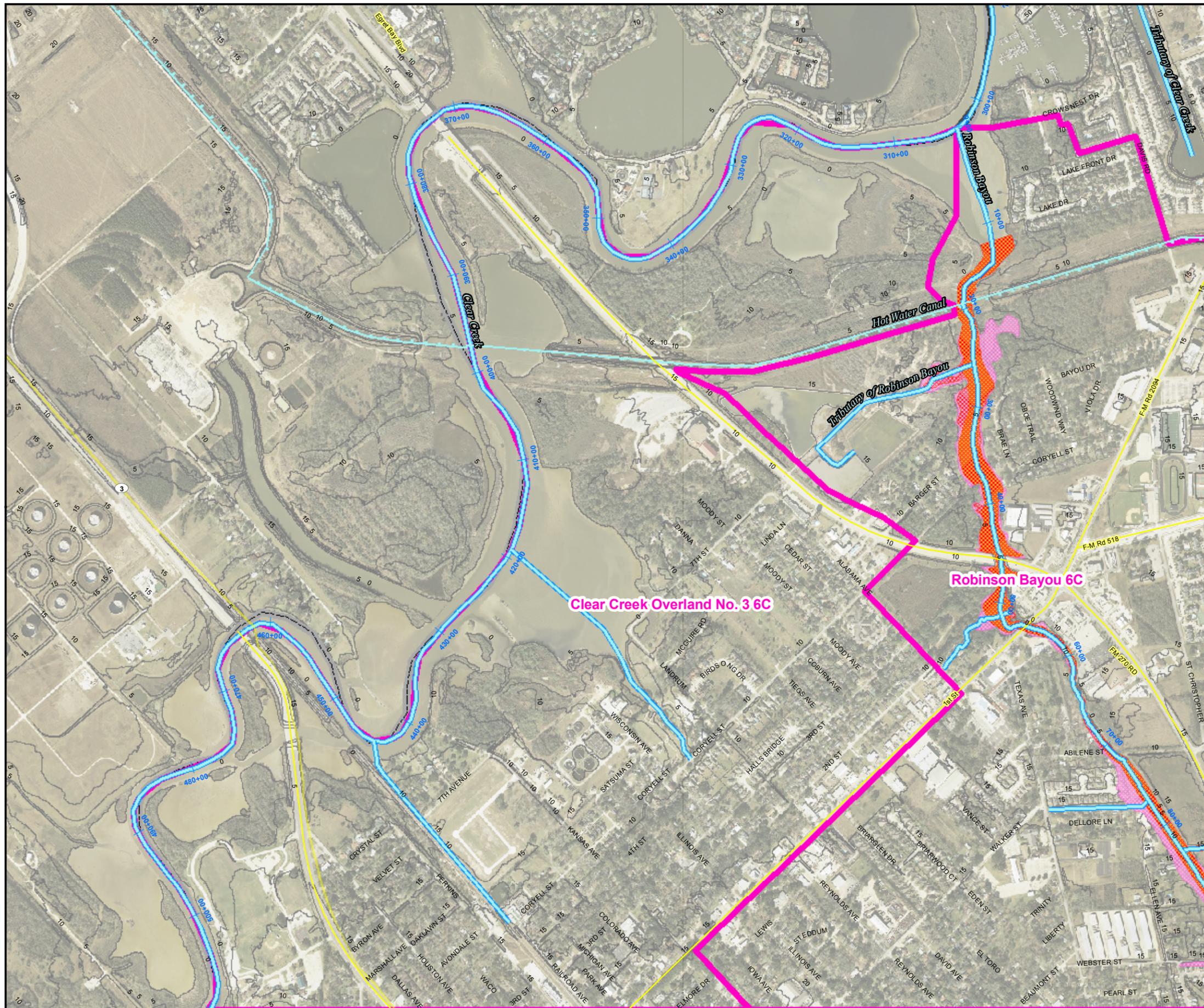
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MASTER DRAINAGE PLAN

ROBINSON BAYOU DRAINAGE BASIN INDEX # 6B

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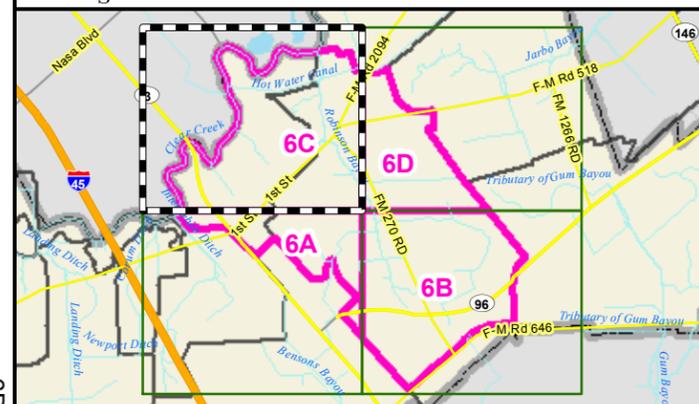
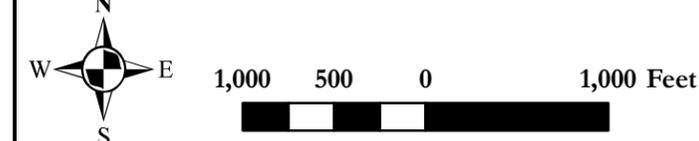
DISCLAIMER: This map was generated by Dannenbaum Engineering Corporation using GIS (Geographic Information Systems) software. No claims are made to the accuracy or completeness of the information shown herein nor to its suitability for a particular use. The scale and location of all mapped data are approximate.



Legend

- Robinson Bayou & Clear Creek Ov No. 3
- Other Subwatersheds
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.



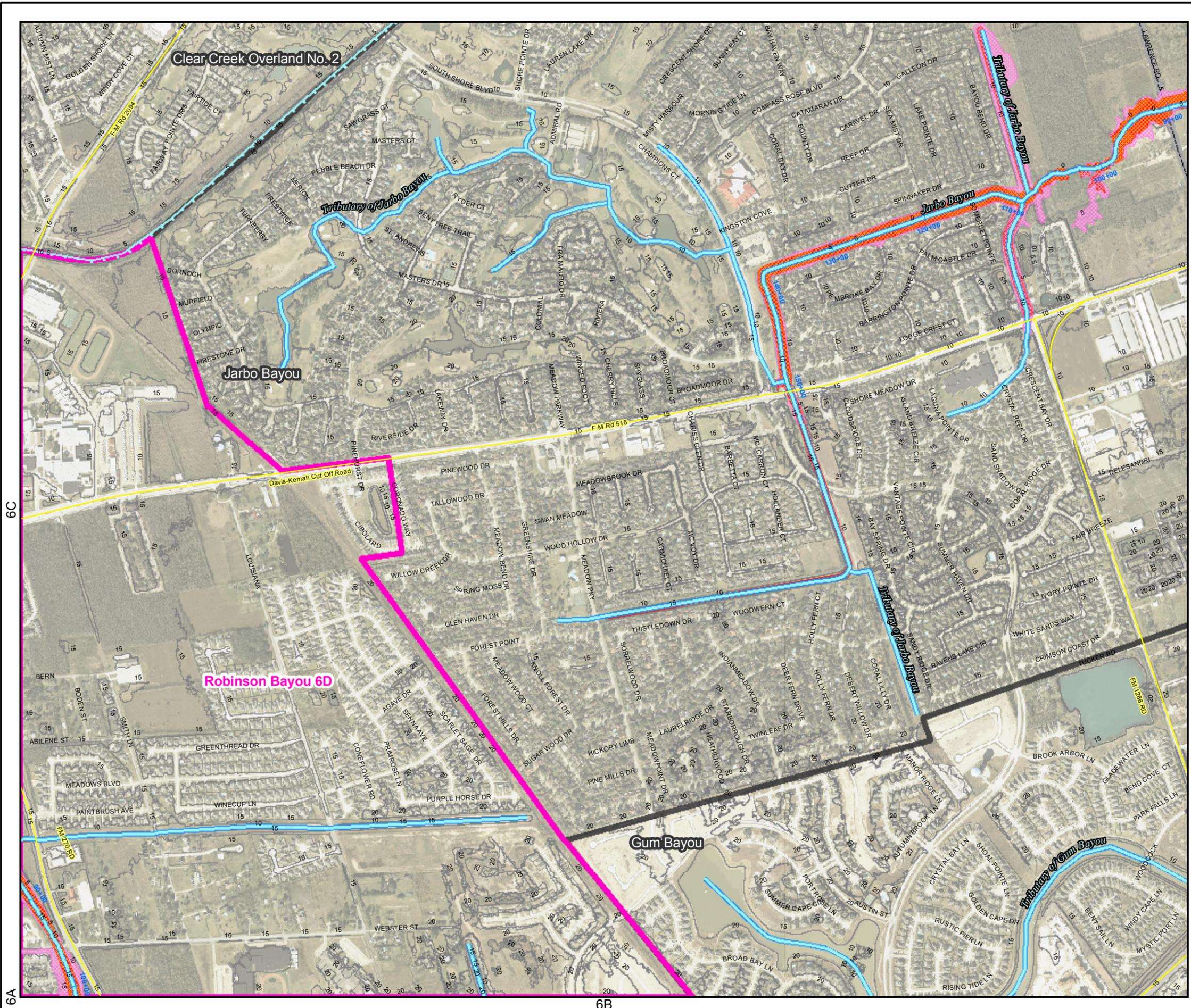


MASTER DRAINAGE PLAN

ROBINSON BAYOU DRAINAGE BASIN INDEX # 6C

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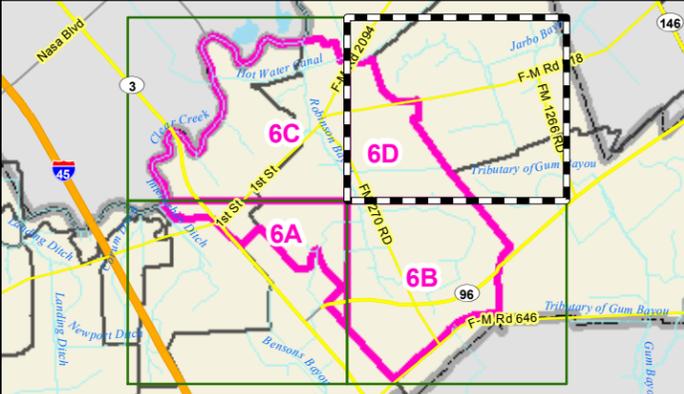
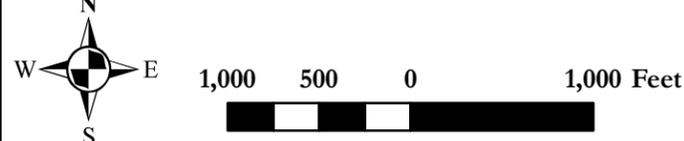
DISCLAIMER: This map was generated by Dannenbaum Engineering Corporation using GIS (Geographic Information Systems) software. No claims are made to the accuracy or completeness of the information shown herein nor to its suitability for a particular use. The scale and location of all mapped data are approximate.



Legend

- Robinson Bayou & Clear Creek Ov No. 3
- Other Subwatersheds
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.

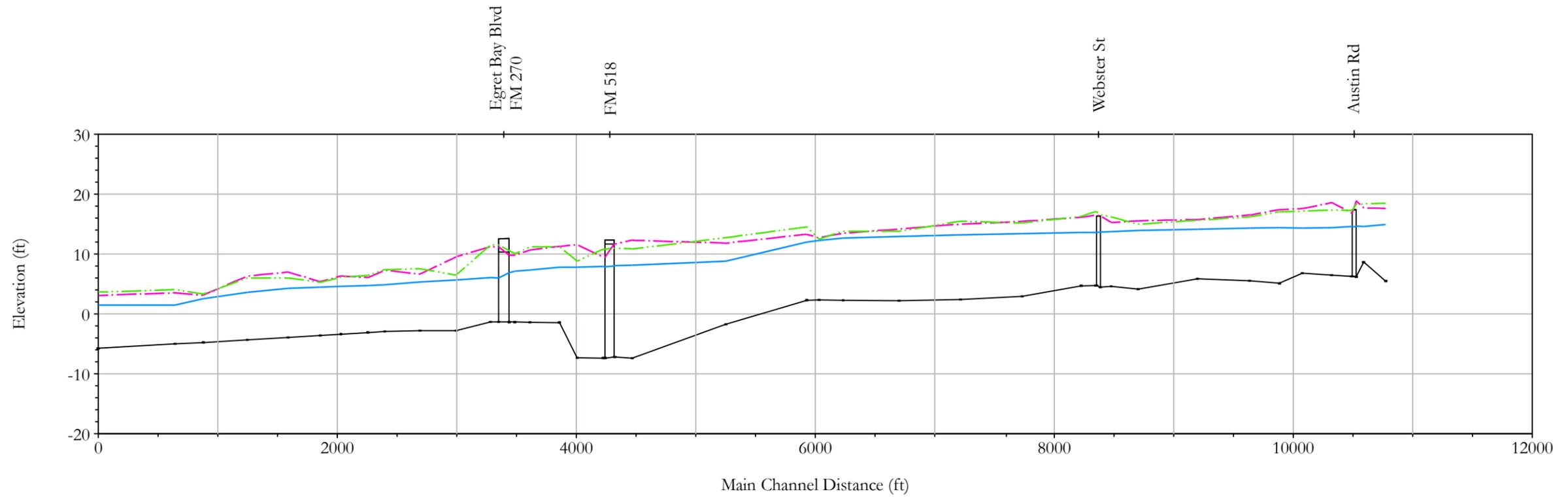


MASTER DRAINAGE PLAN

ROBINSON BAYOU DRAINAGE BASIN INDEX # 6D

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Robinson Bayou

Legend

- · - Left Overbank
- · - Right Overbank
- 1% Chance Flood WSEL

Source

Preliminary FIRM data provided by Dannenbaum, 2010.



MASTER DRAINAGE PLAN

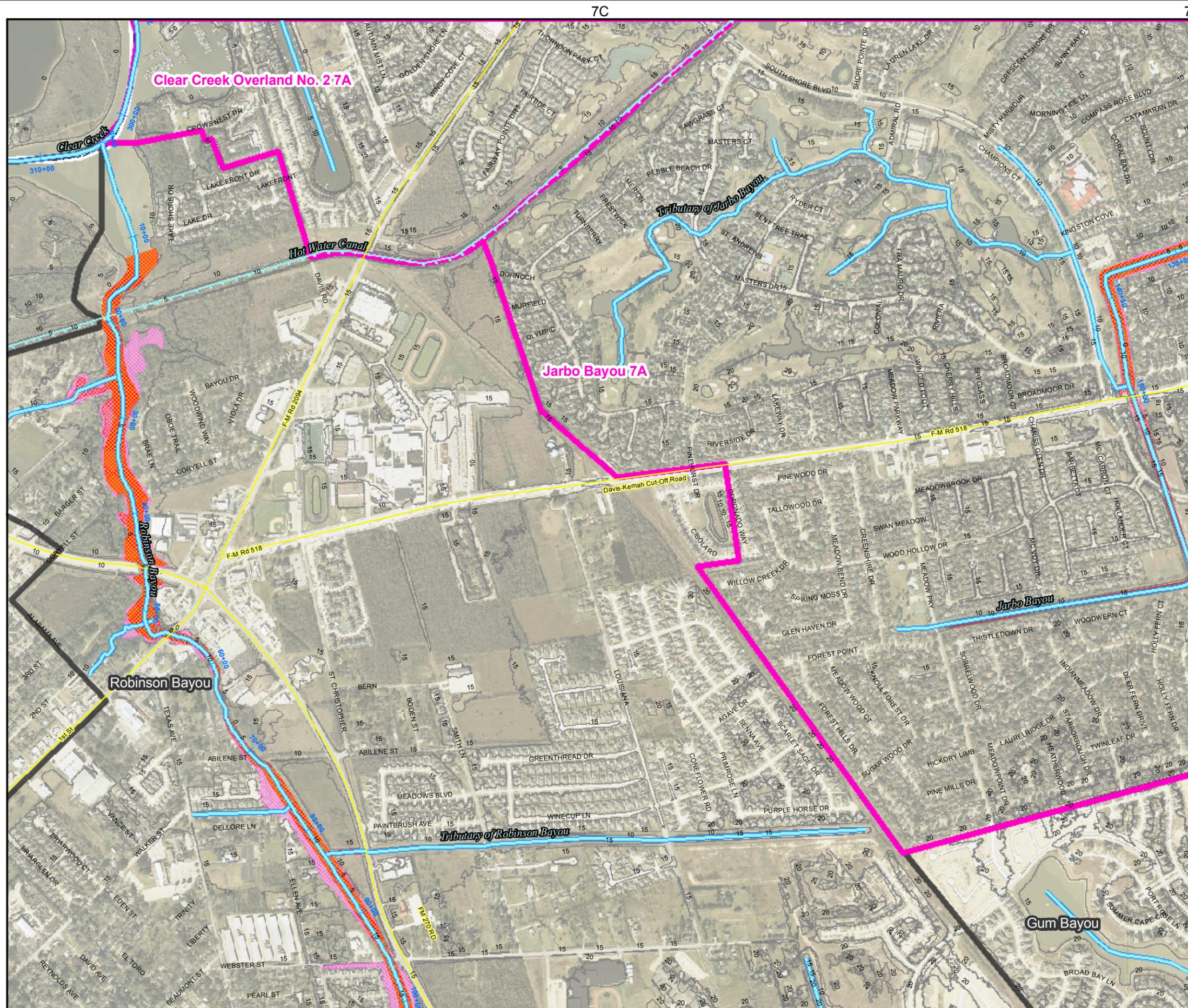
**CHANNEL PROFILES
ROBINSON BAYOU
DRAINAGE BASIN**

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July 2, 2010

JOB NO. 4533-01

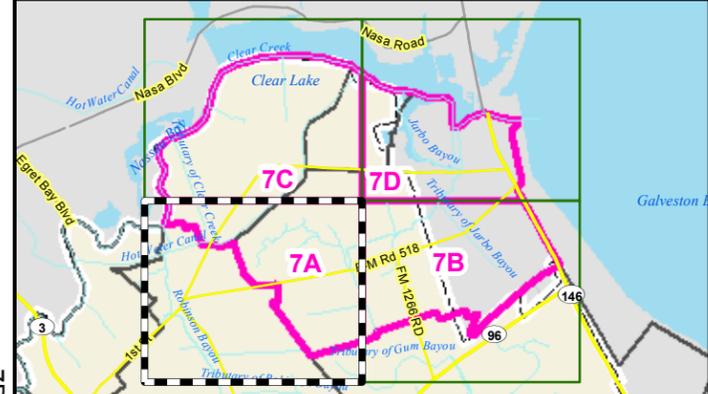
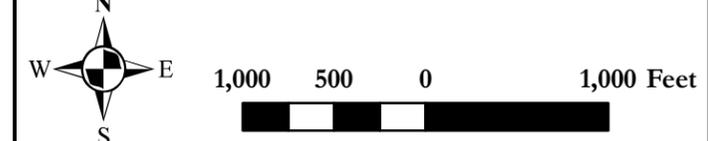
PROFILE 6E



Legend

- Other Subwatersheds
- Jarbo Bayou, Clear Creek Ov No. 1 & 2
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.



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MASTER DRAINAGE PLAN

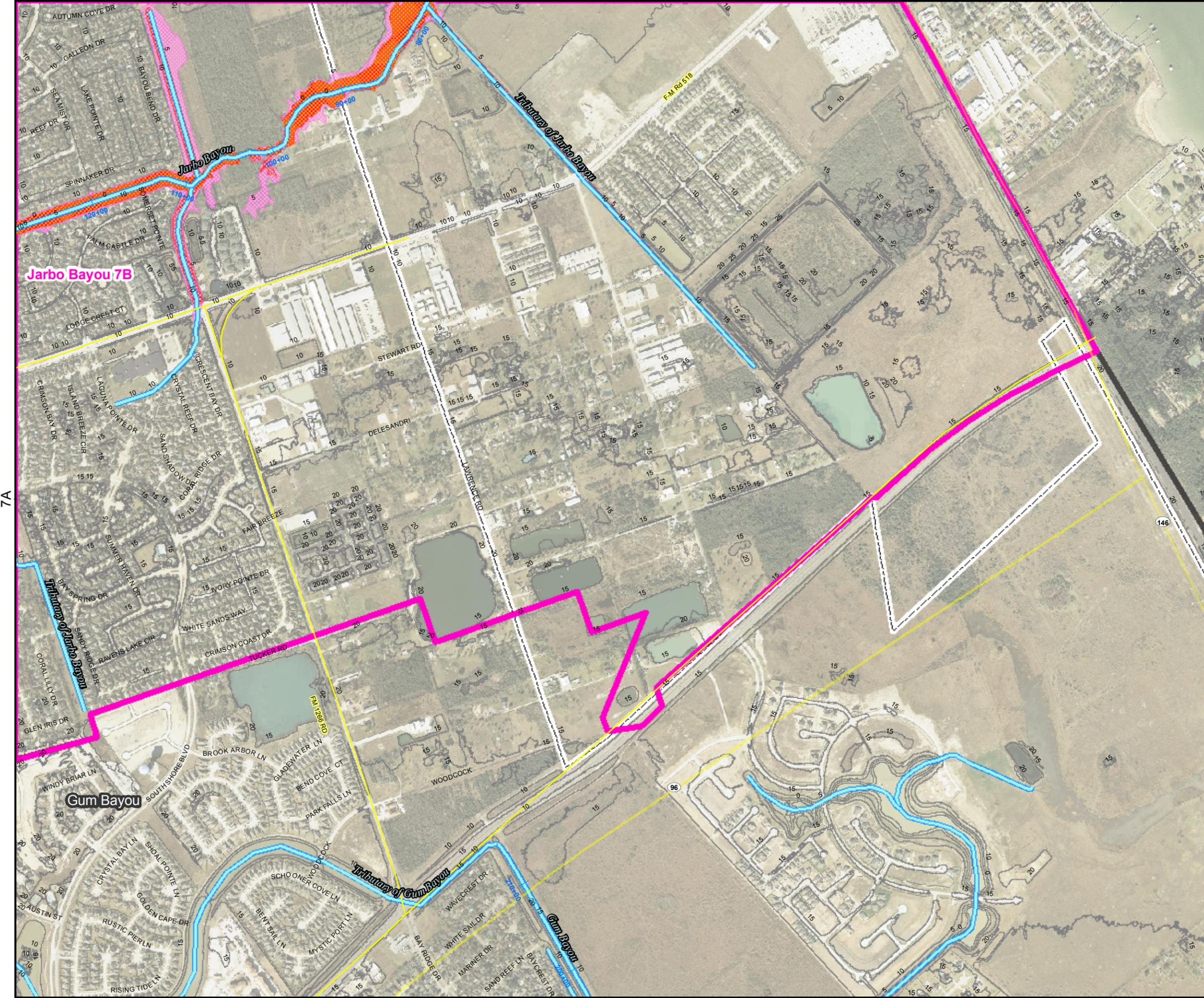
JARBO BAYOU DRAINAGE BASIN INDEX # 7A

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7C

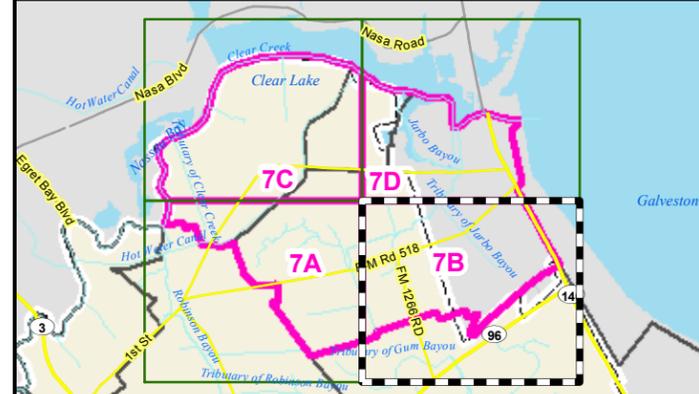
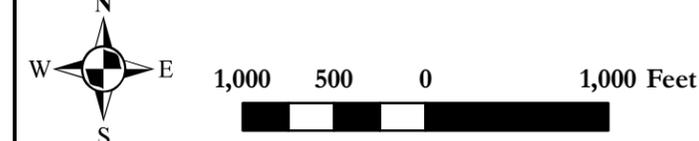
7D



Legend

- Other Subwatersheds
- Jarbo Bayou, Clear Creek Ov No. 1 & 2
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.



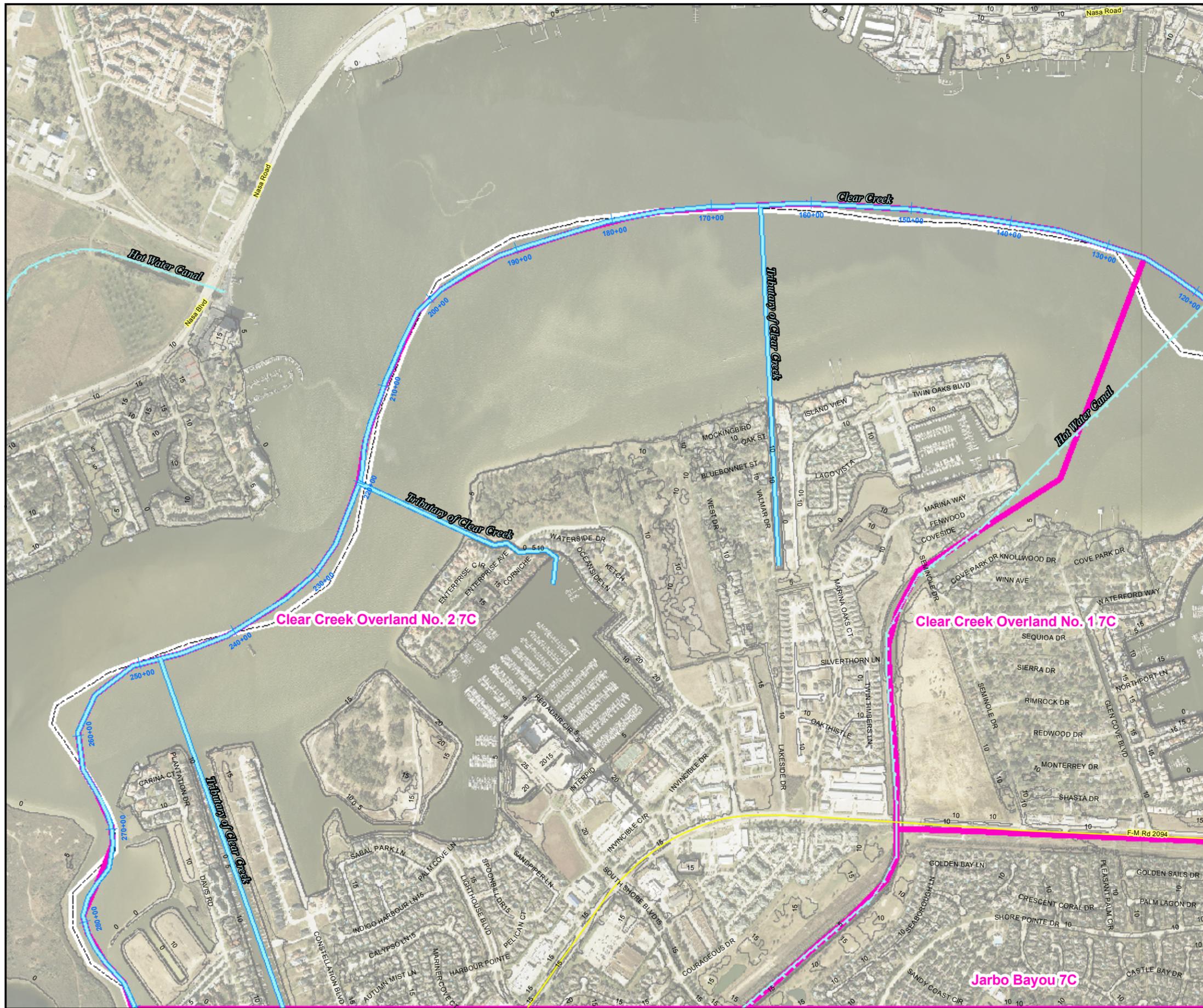
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MASTER DRAINAGE PLAN

JARBO BAYOU DRAINAGE BASIN INDEX # 7B

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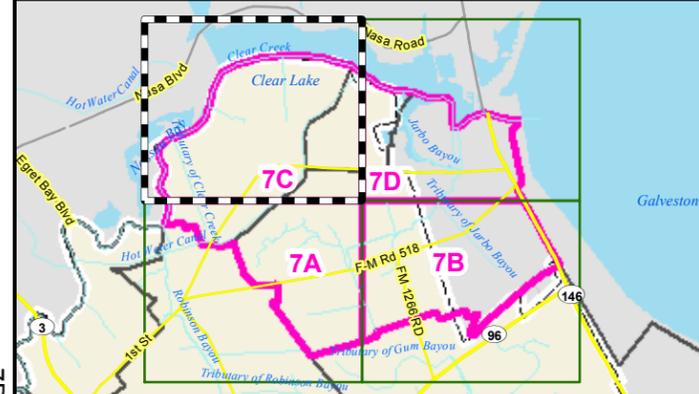
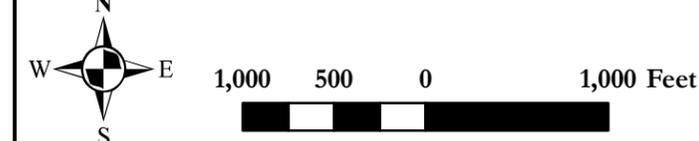
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Legend

- Other Subwatersheds
- Jarbo Bayou, Clear Creek Ov No. 1 & 2
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.



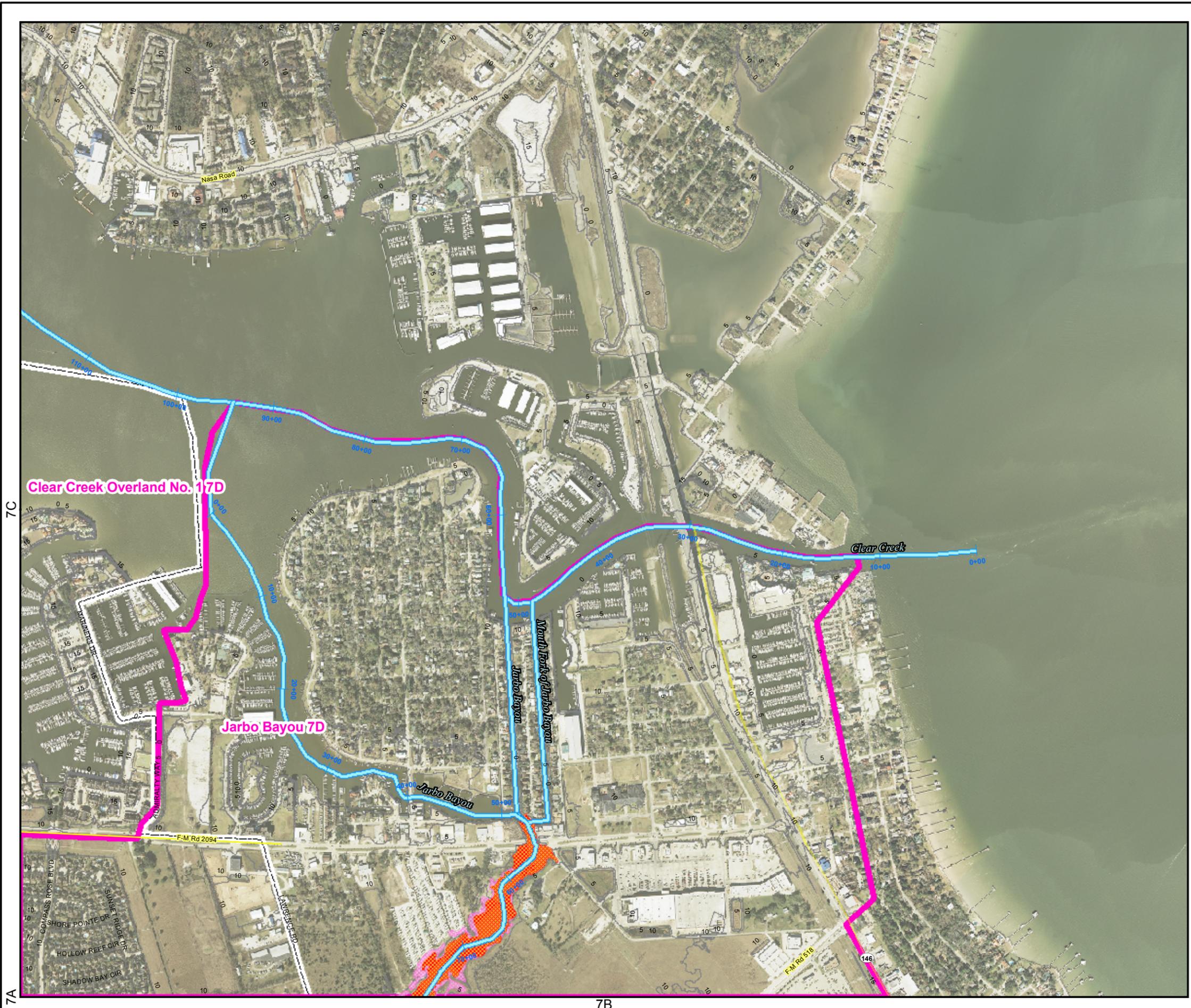
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MASTER DRAINAGE PLAN

JARBO BAYOU DRAINAGE BASIN INDEX # 7C

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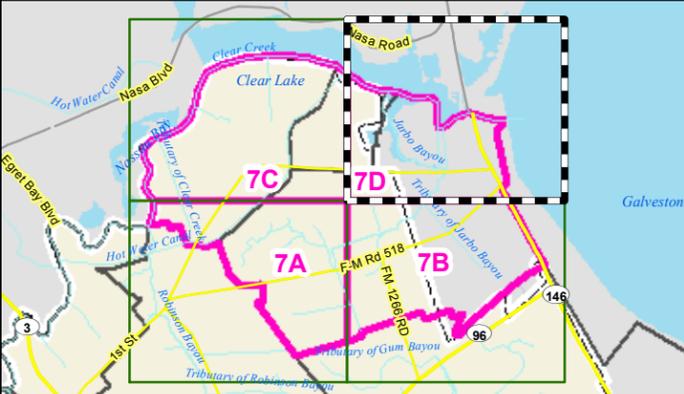
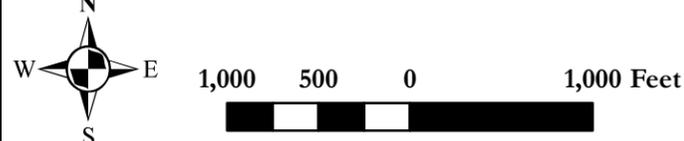
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Legend

Other Subwatersheds	Floodway
Jarbo Bayou, Clear Creek Ov No. 1 & 2	1% Chance Floodplain
Channel	Zone A
Canal	0.2% Chance Floodplain
Identifier Layer	
League City	

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.



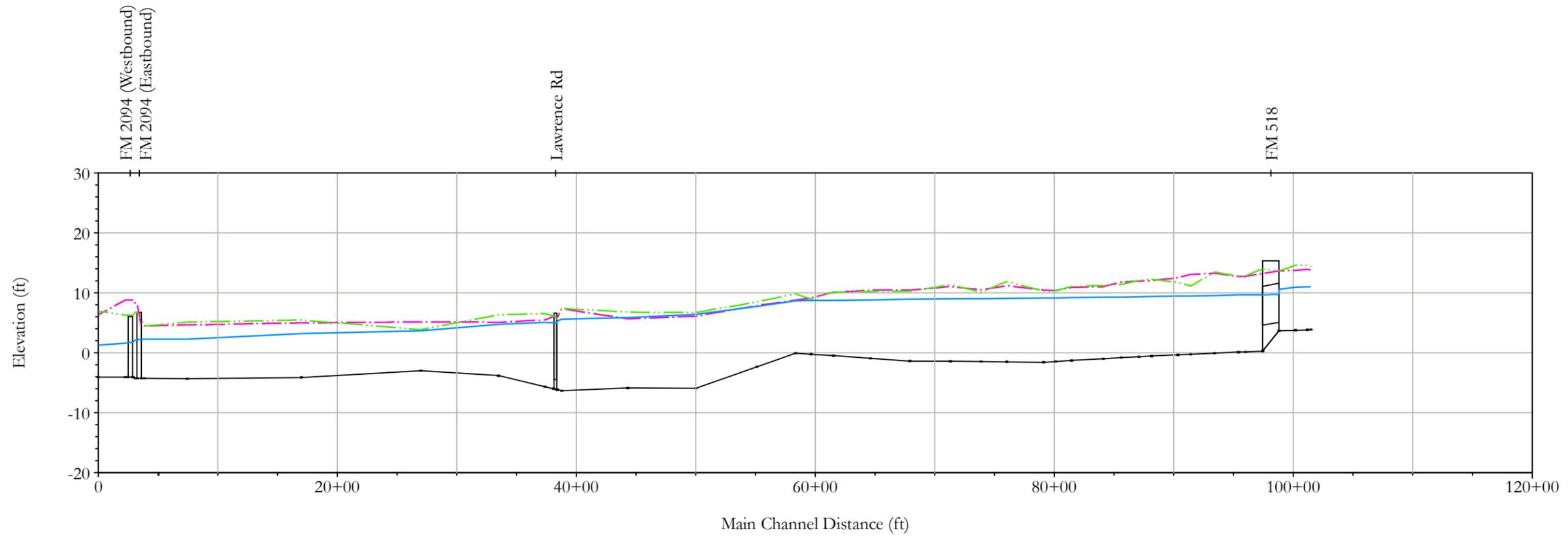
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MASTER DRAINAGE PLAN

JARBO BAYOU DRAINAGE BASIN INDEX # 7D

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Jarbo Bayou

Legend

- · - Left Overbank
- · - Right Overbank
- 1% Chance Flood WSEL

Source

Preliminary FIRM data provided by Dannenbaum, 2010.



MASTER DRAINAGE PLAN

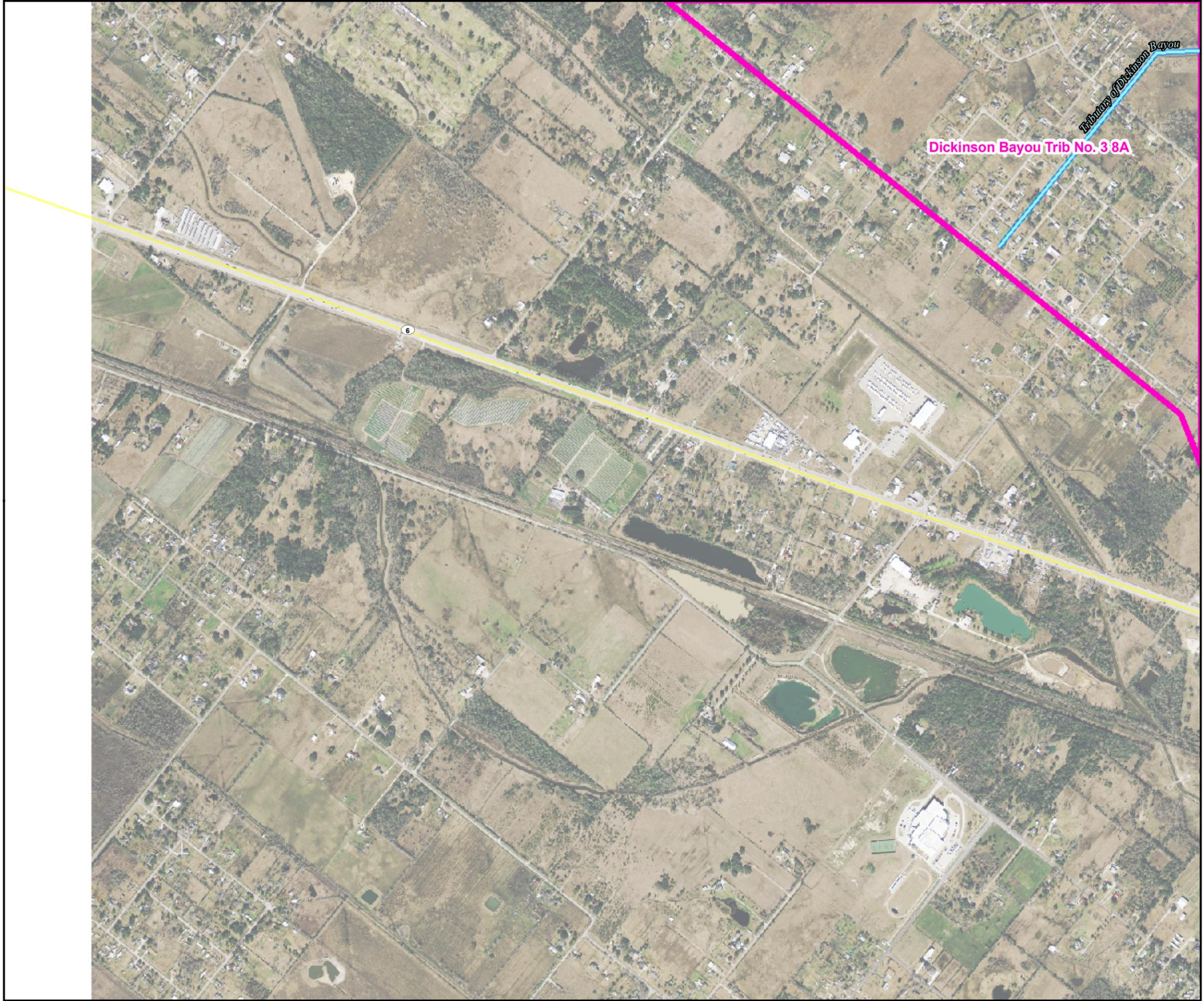
**CHANNEL PROFILES
JARBO BAYOU
DRAINAGE BASIN**

DANNENBAUM

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8F

8G

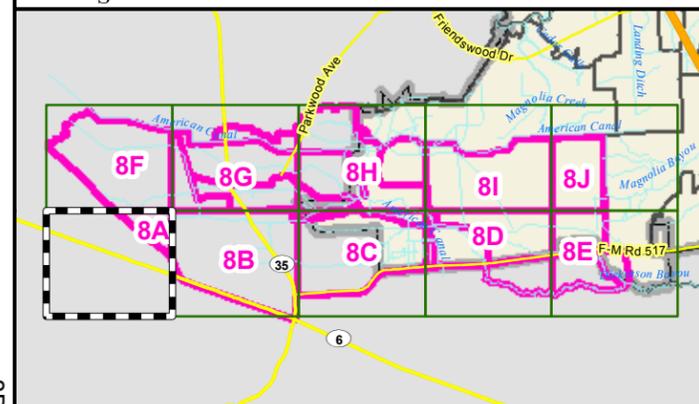
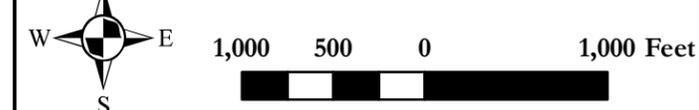


Legend

Other Subwatersheds	Floodway
Dickinson Bayou Upstream, Bypass, Trib No. 1-3, Ov 5-6	1% Chance Floodplain
Channel	Zone A
Canal	0.2% Chance Floodplain
Identifier Layer	
League City	

Source

Aerial imagery provided by H-GAC, dated 2010.
 Contours provided by H-GAC, created from 2008 LiDAR.
 Contours created from TNRIS DEMs of 2006 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.

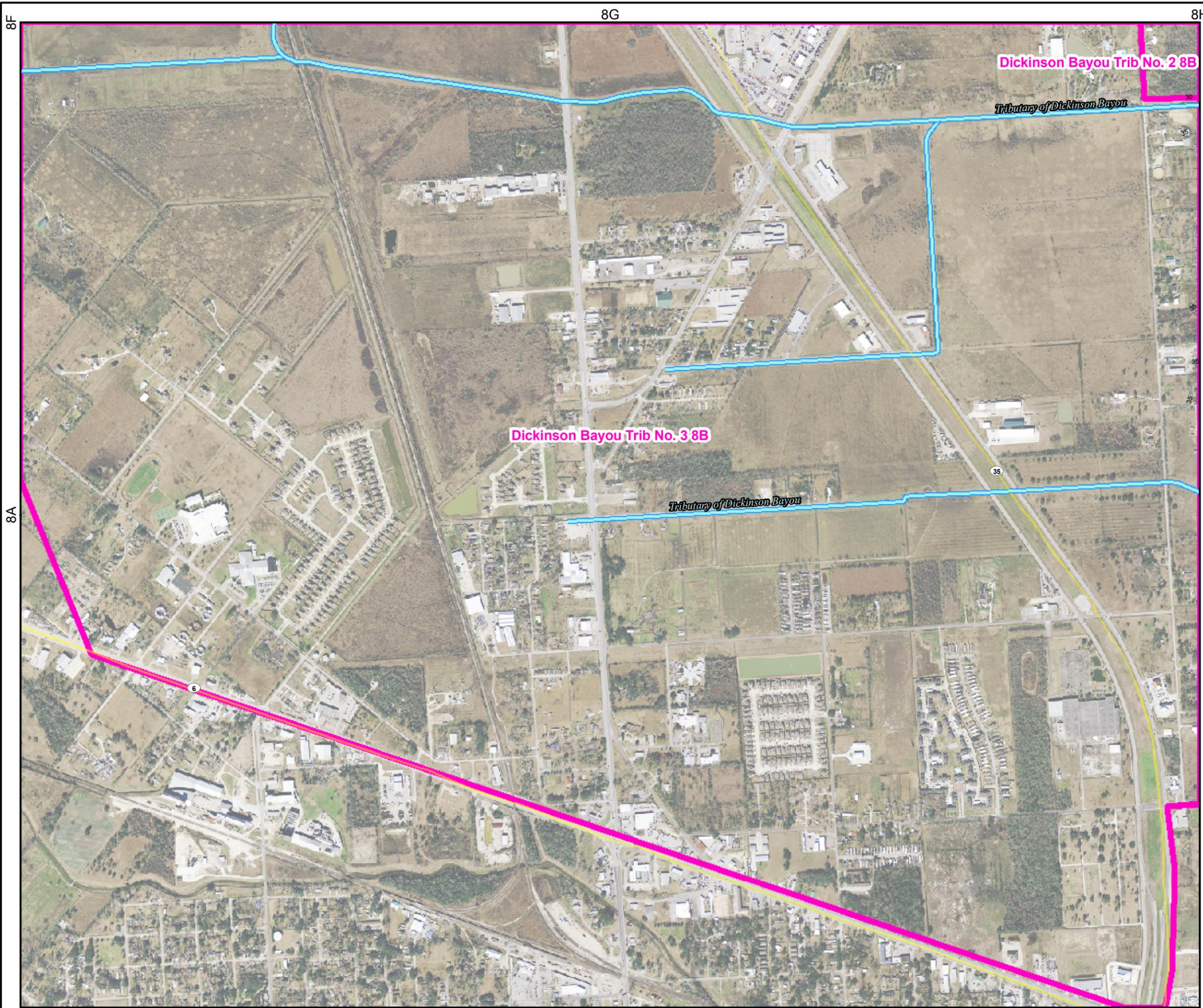



MASTER DRAINAGE PLAN

DICKINSON BAYOU DRAINAGE BASIN INDEX # 8A

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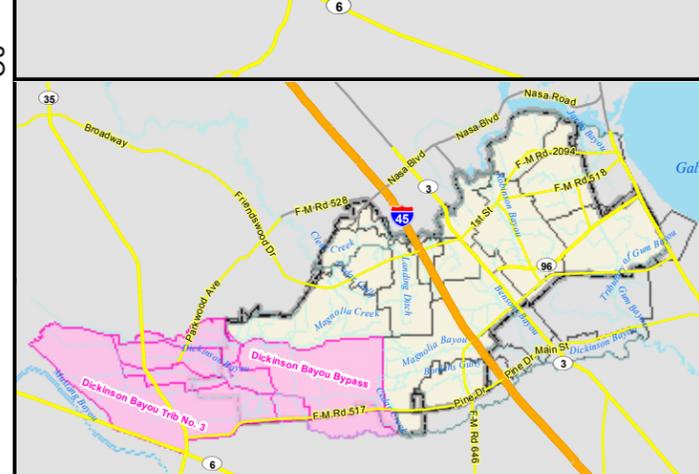
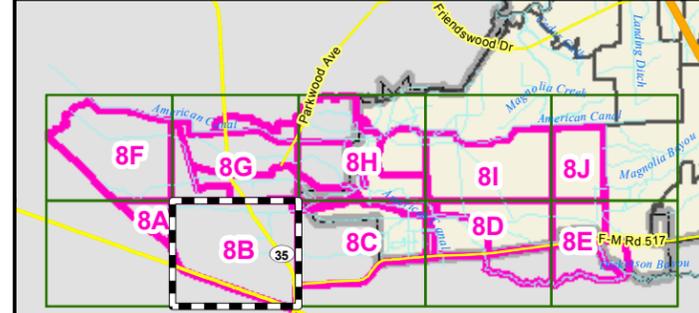
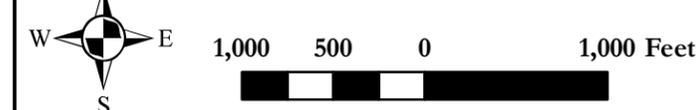


Legend

Other Subwatersheds	Floodway
Dickinson Bayou Upstream, Bypass, Trib No. 1-3, Ov 5-6	1% Chance Floodplain
Channel	Zone A
Canal	0.2% Chance Floodplain
Identifier Layer	
League City	

Source

Aerial imagery provided by H-GAC, dated 2010.
 Contours provided by H-GAC, created from 2008 LiDAR.
 Contours created from TNRIS DEMs of 2006 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.



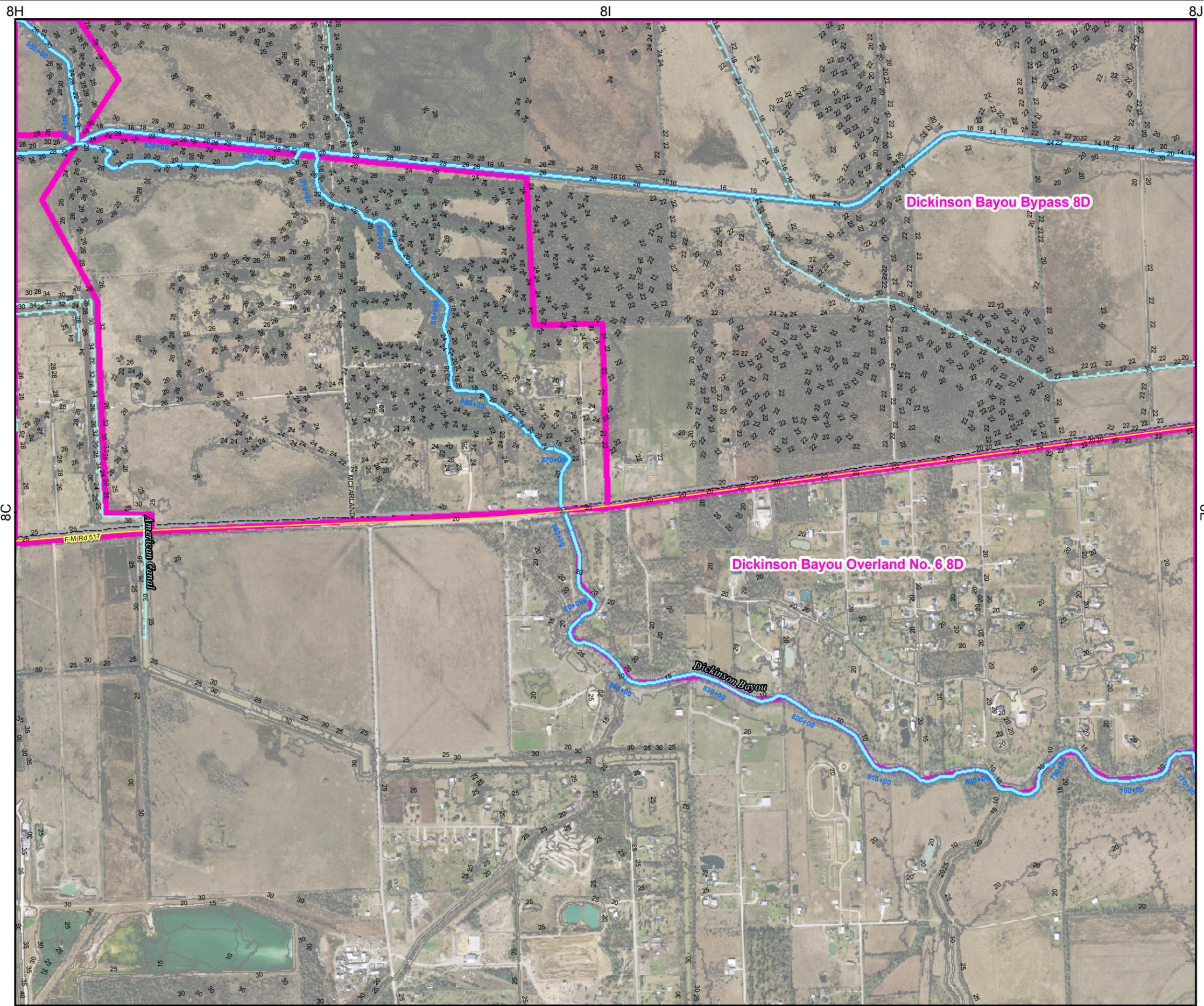
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MASTER DRAINAGE PLAN

DICKINSON BAYOU DRAINAGE BASIN INDEX # 8B

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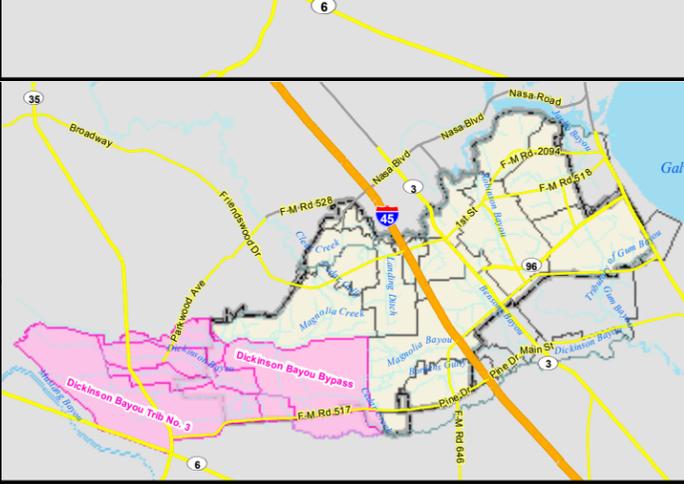
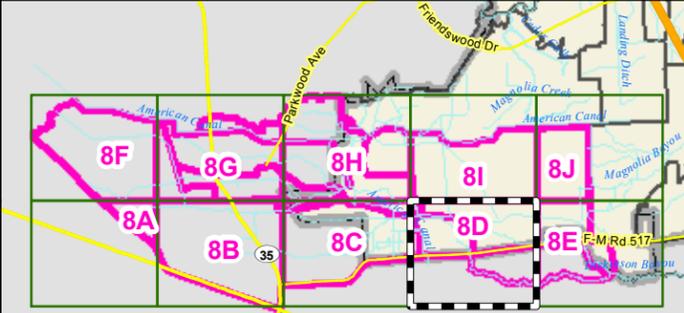
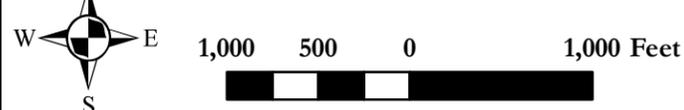


Legend

- Other Subwatersheds
- Dickinson Bayou Upstream, Bypass, Trib No. 1-3, Ov 5-6
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source

Aerial imagery provided by H-GAC, dated 2010.
 Contours provided by H-GAC, created from 2008 LiDAR.
 Contours created from TNRIS DEMs of 2006 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.



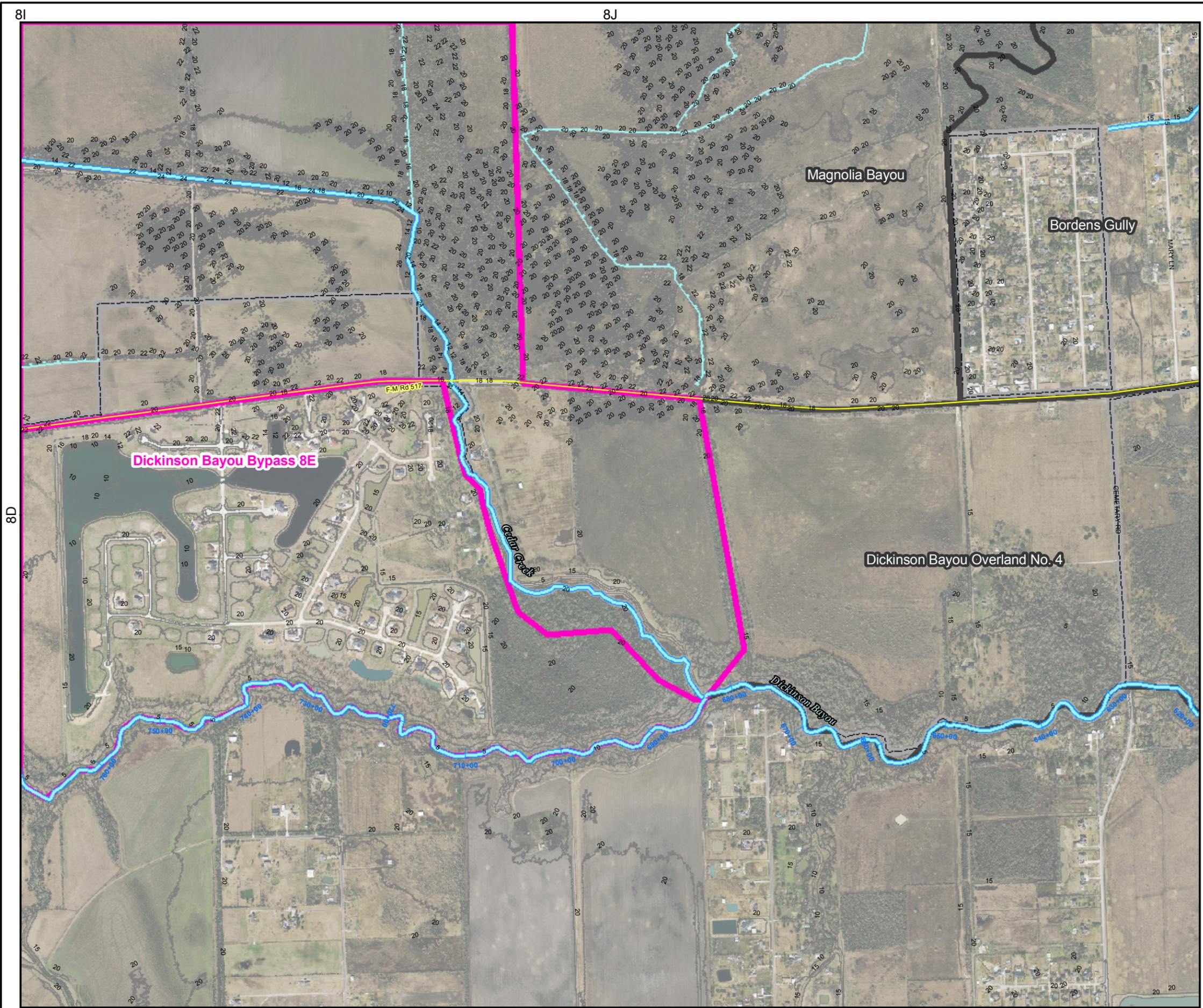
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MASTER DRAINAGE PLAN

DICKINSON BAYOU DRAINAGE BASIN INDEX # 8D

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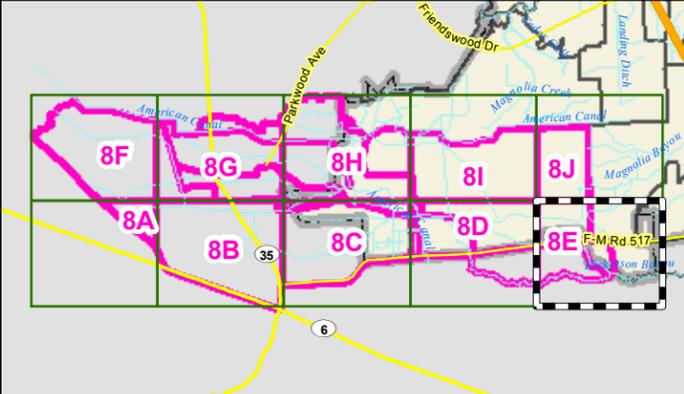
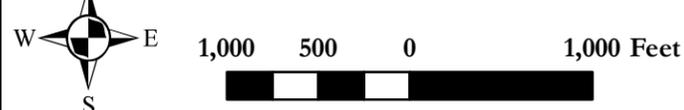


Legend

Other Subwatersheds	Floodway
Dickinson Bayou Upstream, Bypass, Trib No. 1-3, Ov 5-6	1% Chance Floodplain
Channel	Zone A
Canal	0.2% Chance Floodplain
Identifier Layer	
League City	

Source

Aerial imagery provided by H-GAC, dated 2010.
 Contours provided by H-GAC, created from 2008 LiDAR.
 Contours created from TNRIS DEMs of 2006 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.



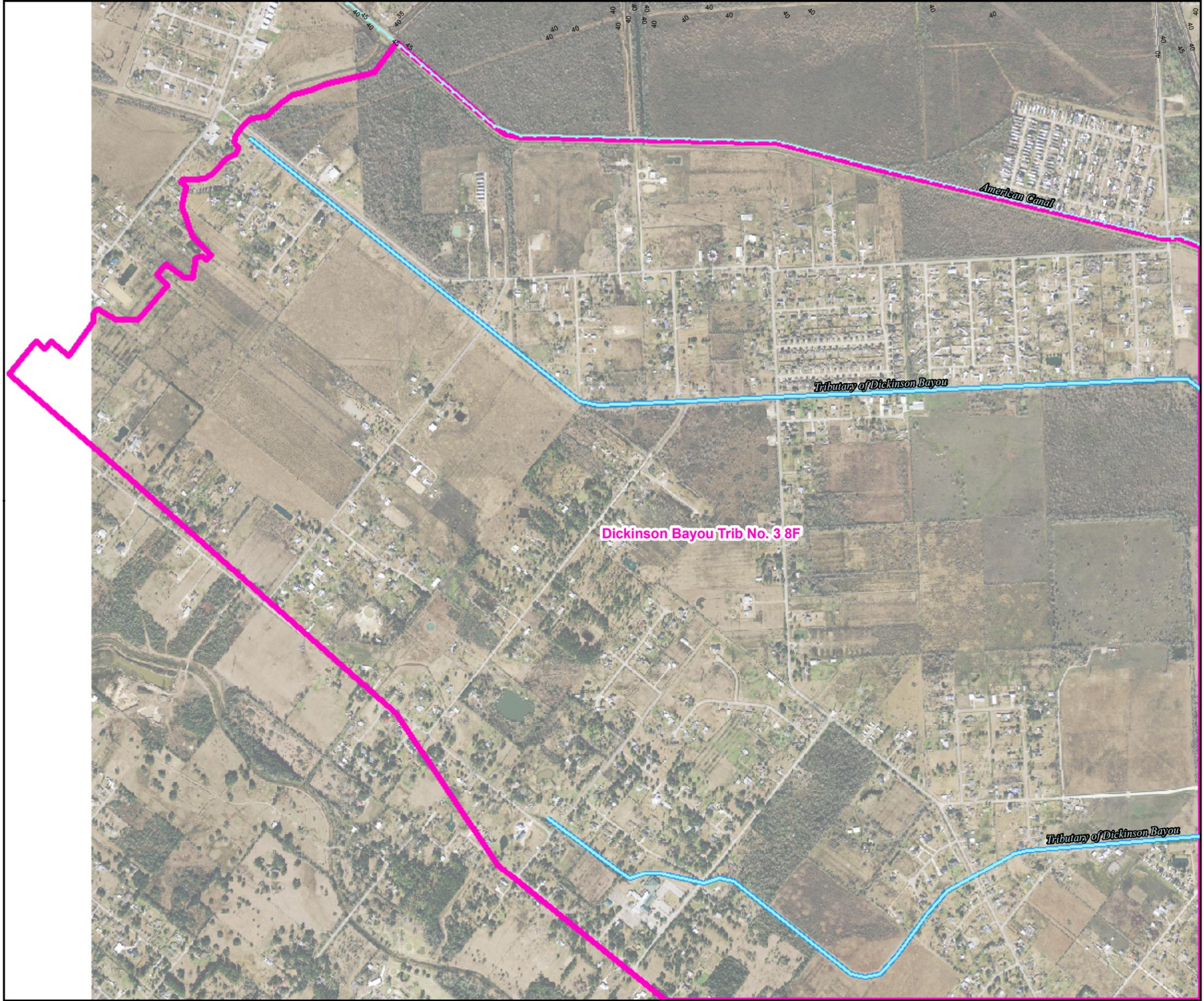
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MASTER DRAINAGE PLAN

DICKINSON BAYOU DRAINAGE BASIN INDEX # 8E

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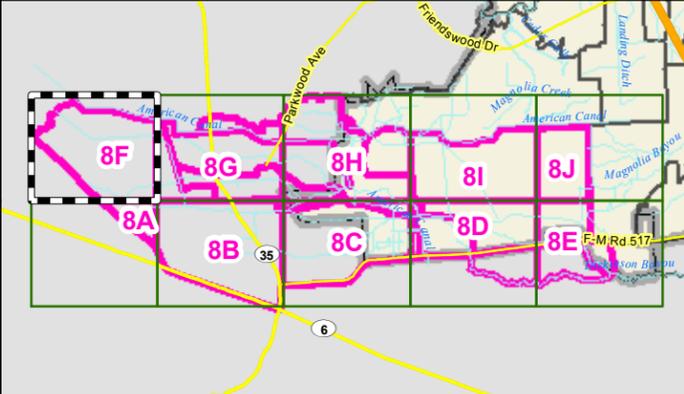
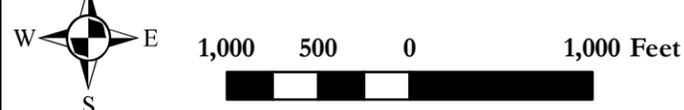
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- Legend**
- Other Subwatersheds
 - Dickinson Bayou Upstream, Bypass, Trib No. 1-3, Ov 5-6
 - Channel
 - Canal
 - Identifier Layer
 - League City
 - Floodway
 - 1% Chance Floodplain
 - Zone A
 - 0.2% Chance Floodplain

Source

Aerial imagery provided by H-GAC, dated 2010.
 Contours provided by H-GAC, created from 2008 LiDAR.
 Contours created from TNRIS DEMs of 2006 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.

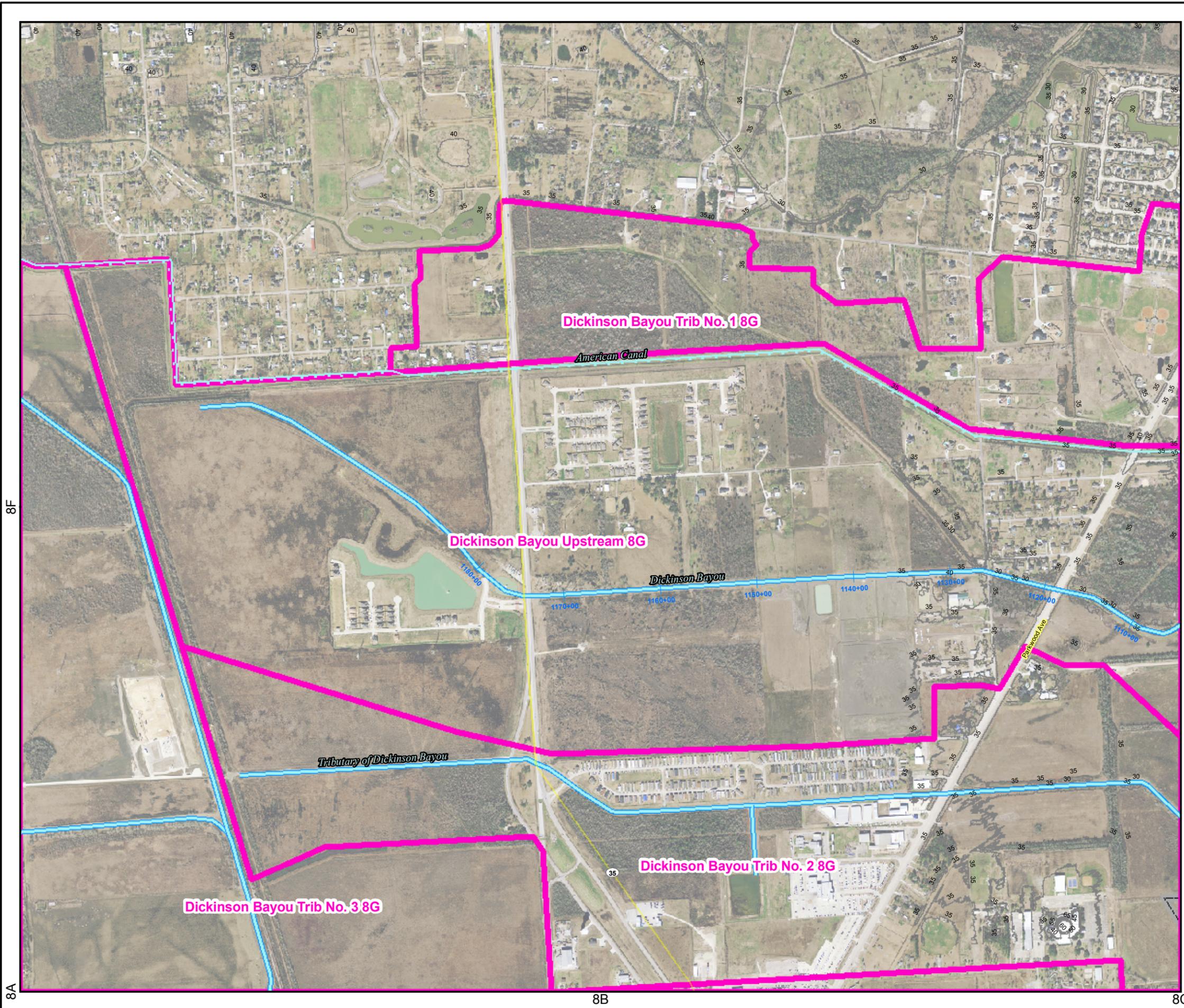


MASTER DRAINAGE PLAN

DICKINSON BAYOU DRAINAGE BASIN INDEX # 8F

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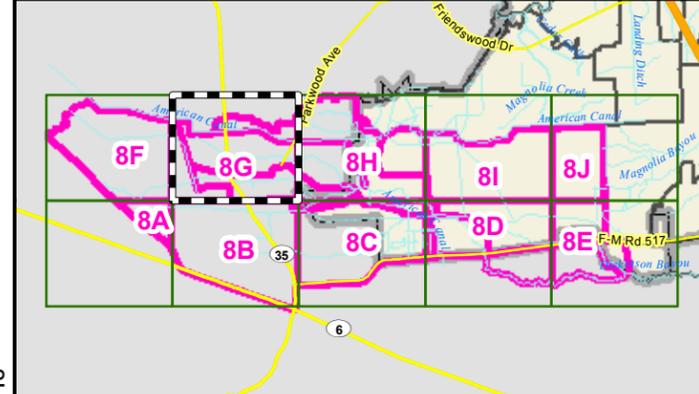
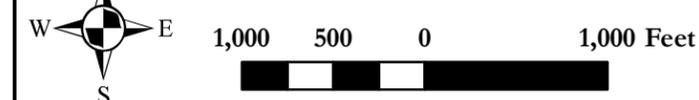


Legend

- Other Subwatersheds
- Dickinson Bayou Upstream, Bypass, Trib No. 1-3, Ov 5-6
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source

Aerial imagery provided by H-GAC, dated 2010.
 Contours provided by H-GAC, created from 2008 LiDAR.
 Contours created from TNRIS DEMs of 2006 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.

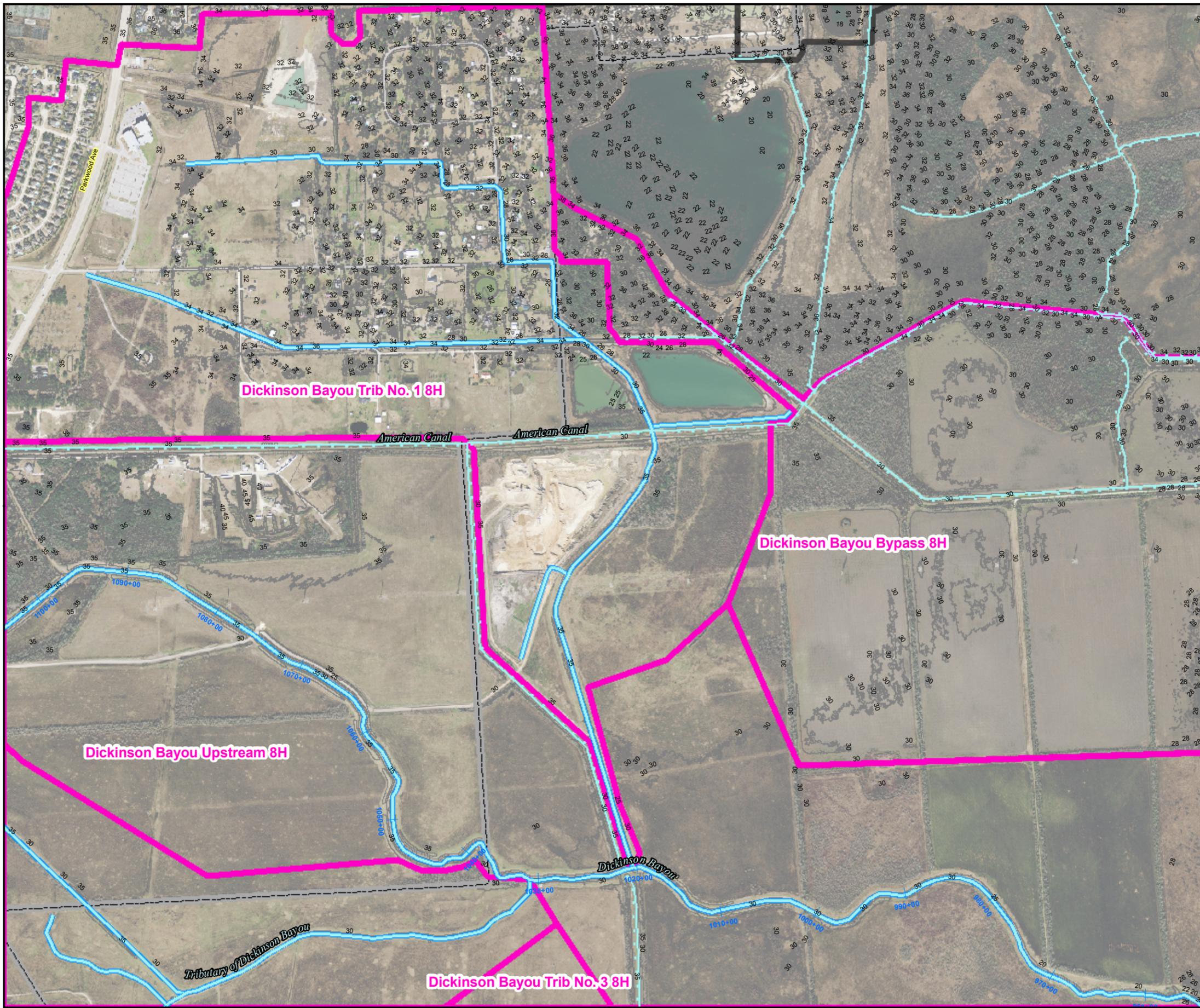


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MASTER DRAINAGE PLAN

DICKINSON BAYOU DRAINAGE BASIN INDEX # 8G

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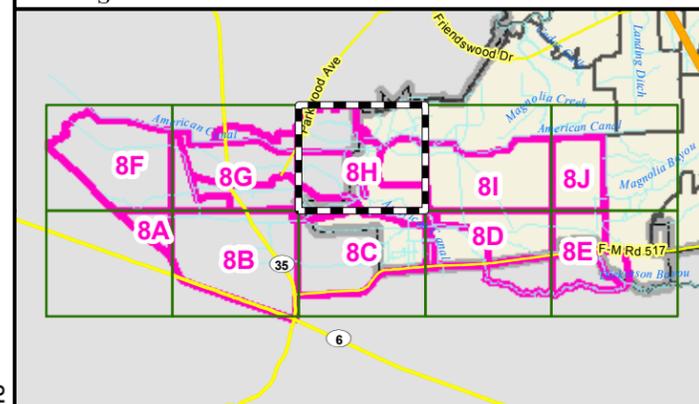
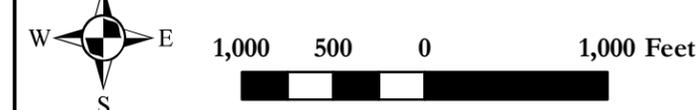


Legend

- Other Subwatersheds
- Dickinson Bayou Upstream, Bypass, Trib No. 1-3, Ov 5-6
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source

Aerial imagery provided by H-GAC, dated 2010.
 Contours provided by H-GAC, created from 2008 LiDAR.
 Contours created from TNRIS DEMs of 2006 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.

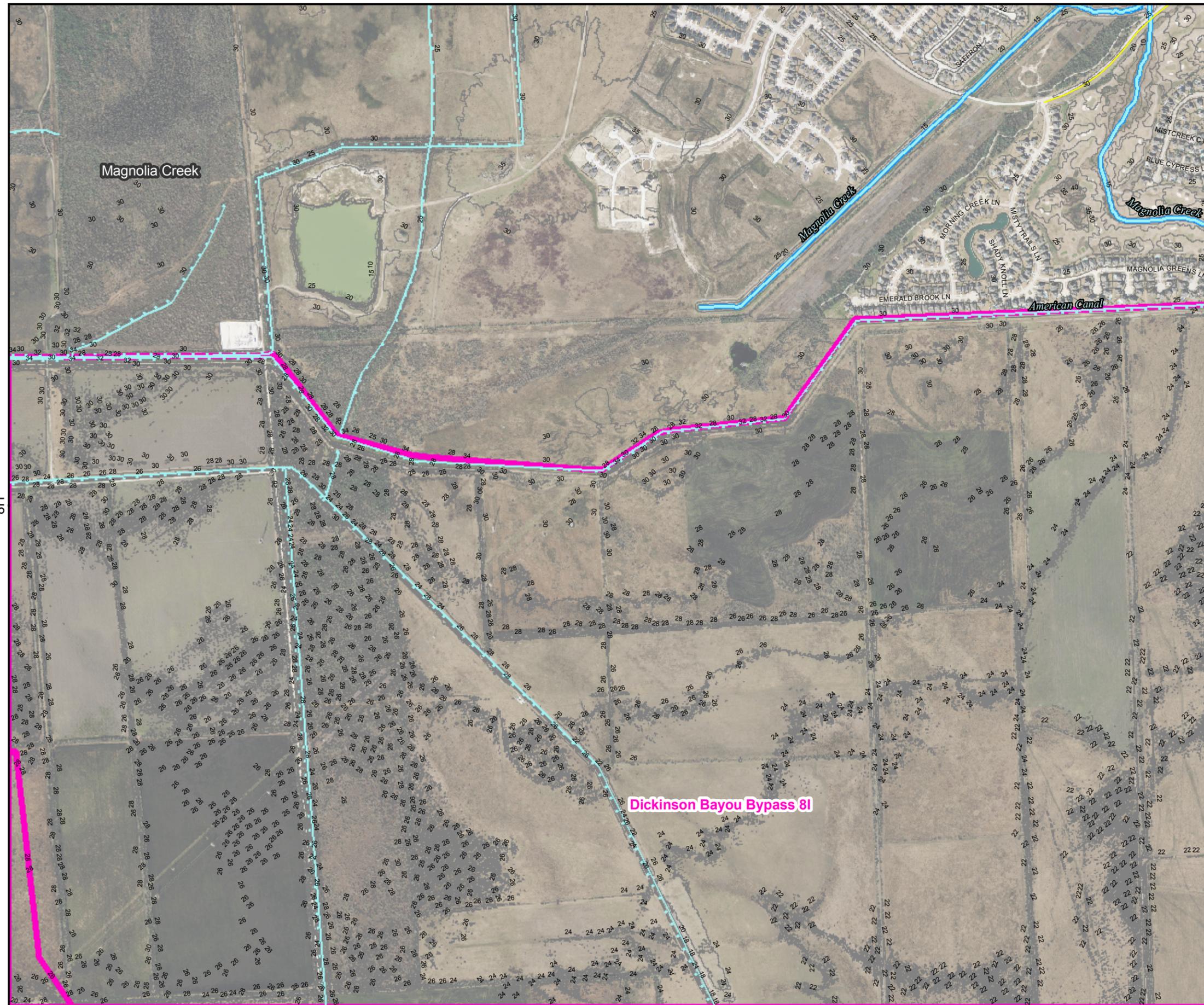


MASTER DRAINAGE PLAN

DICKINSON BAYOU DRAINAGE BASIN INDEX # 8H

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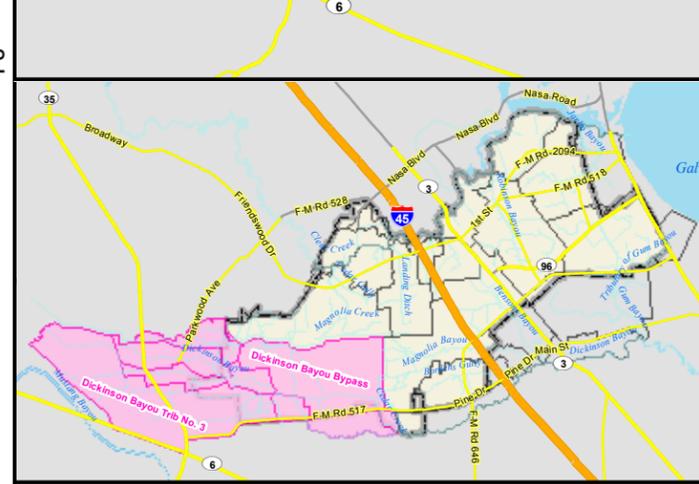
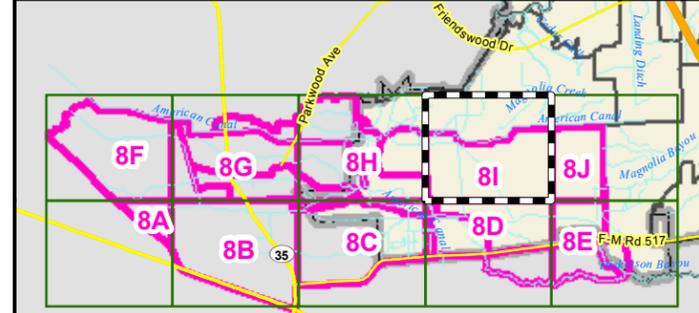
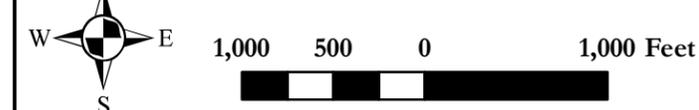
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- Legend**
- Other Subwatersheds
 - Dickinson Bayou Upstream, Bypass, Trib No. 1-3, Ov 5-6
 - Channel
 - Canal
 - Identifier Layer
 - League City
 - Floodway
 - 1% Chance Floodplain
 - Zone A
 - 0.2% Chance Floodplain

Source

Aerial imagery provided by H-GAC, dated 2010.
 Contours provided by H-GAC, created from 2008 LiDAR.
 Contours created from TNRIS DEMs of 2006 LiDAR.
 N Floodplain data provided by Dannenbaum, 2010.

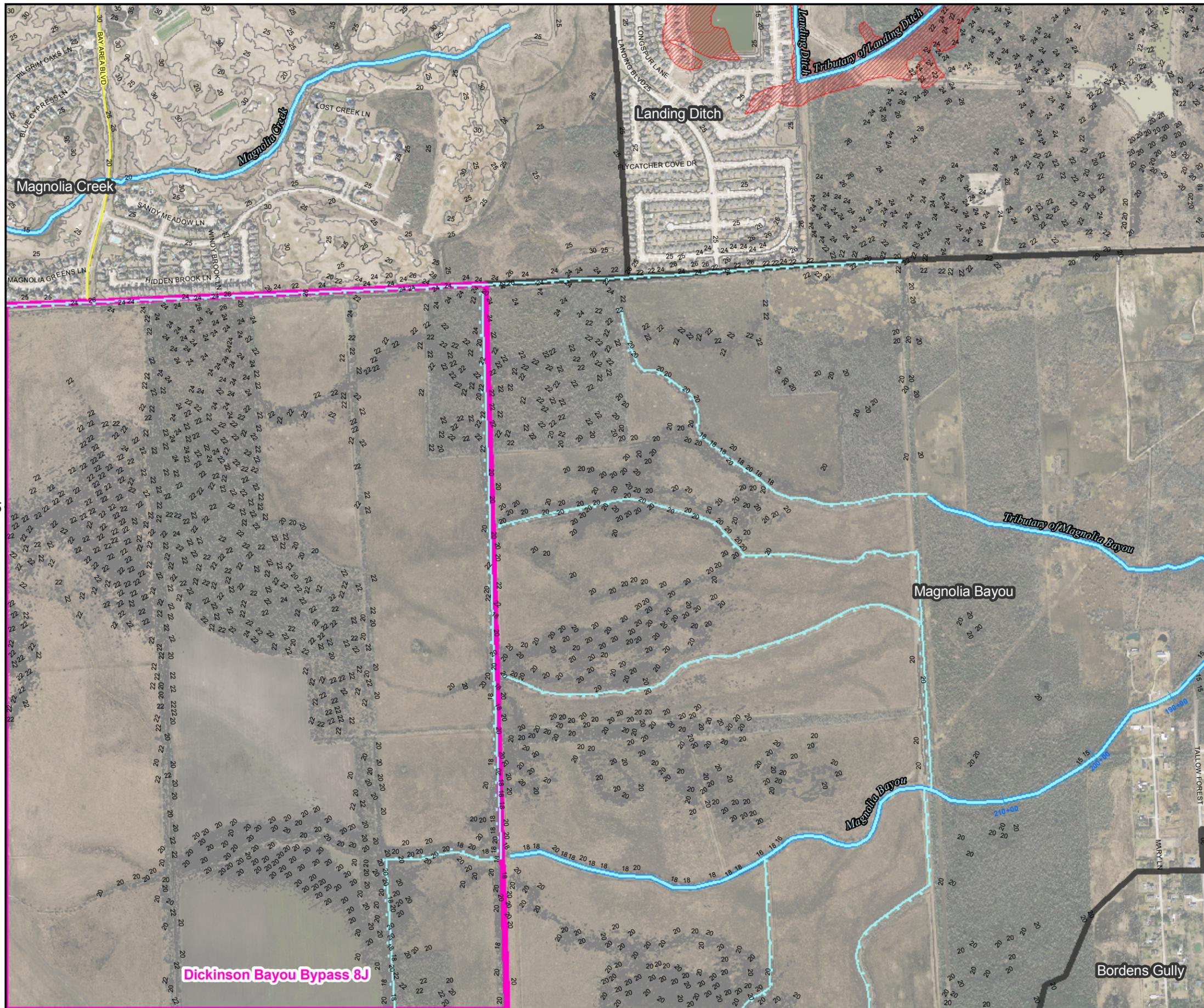


MASTER DRAINAGE PLAN

DICKINSON BAYOU DRAINAGE BASIN INDEX # 81

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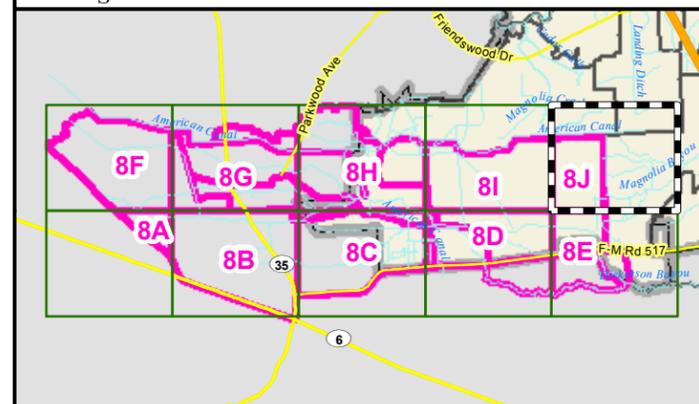
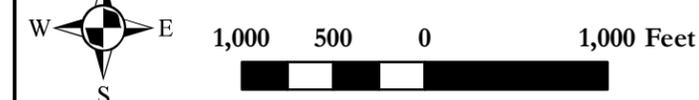


Legend

- Other Subwatersheds
- Dickinson Bayou Upstream, Bypass, Trib No. 1-3, Ov 5-6
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source

Aerial imagery provided by H-GAC, dated 2010.
 Contours provided by H-GAC, created from 2008 LiDAR.
 Contours created from TNRIS DEMs of 2006 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.



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MASTER DRAINAGE PLAN

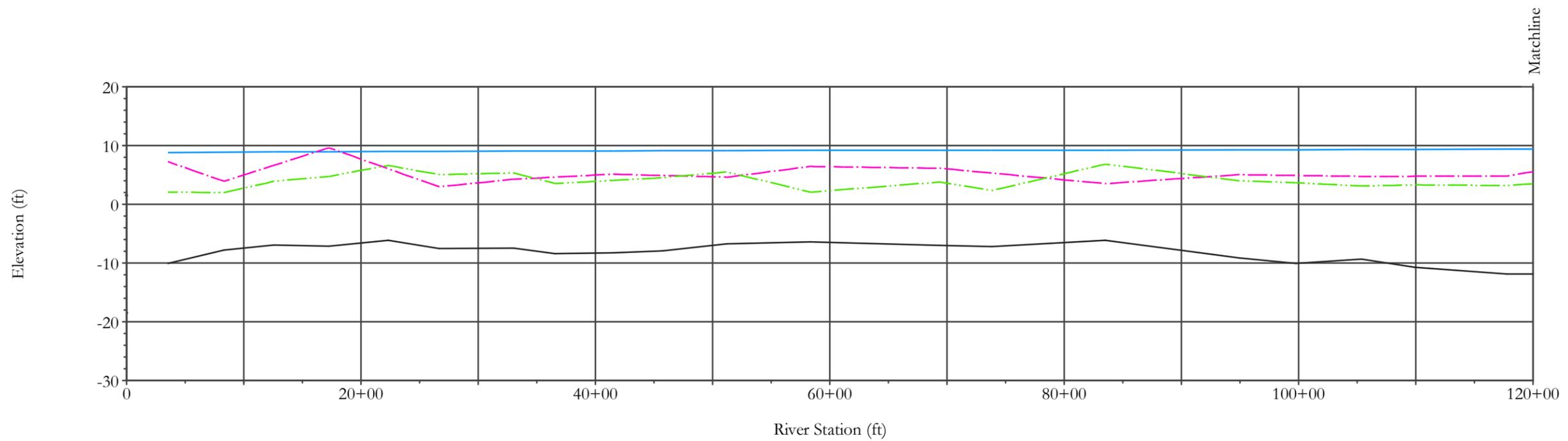
DICKINSON BAYOU DRAINAGE BASIN

INDEX # 8J

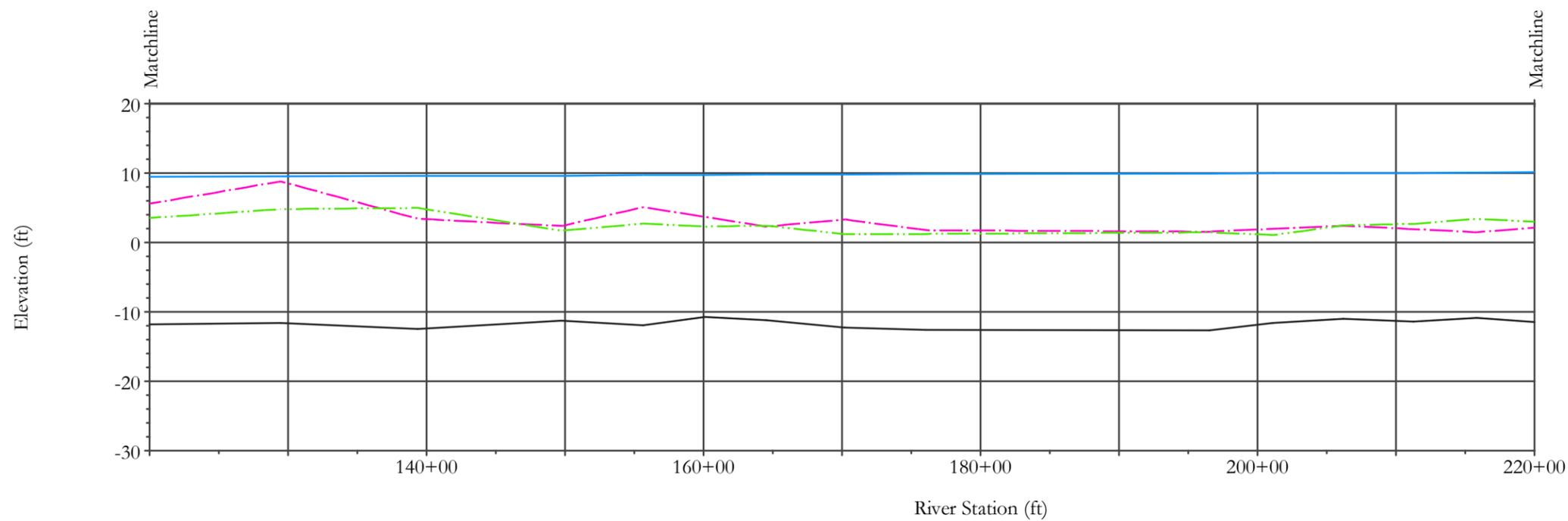
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Dickinson Bayou



Dickinson Bayou

Legend

- - - Left Overbank
- · - · - Right Overbank
- 1% Chance Flood WSEL

Source

Profile data provided by JKC, December 2008.

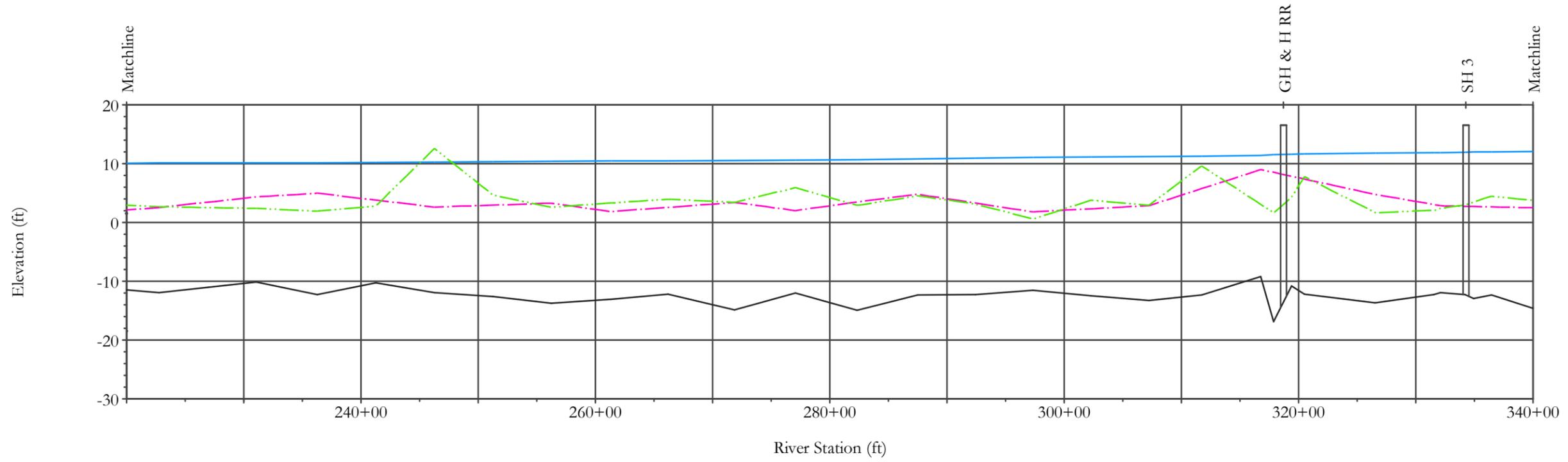


MASTER DRAINAGE PLAN

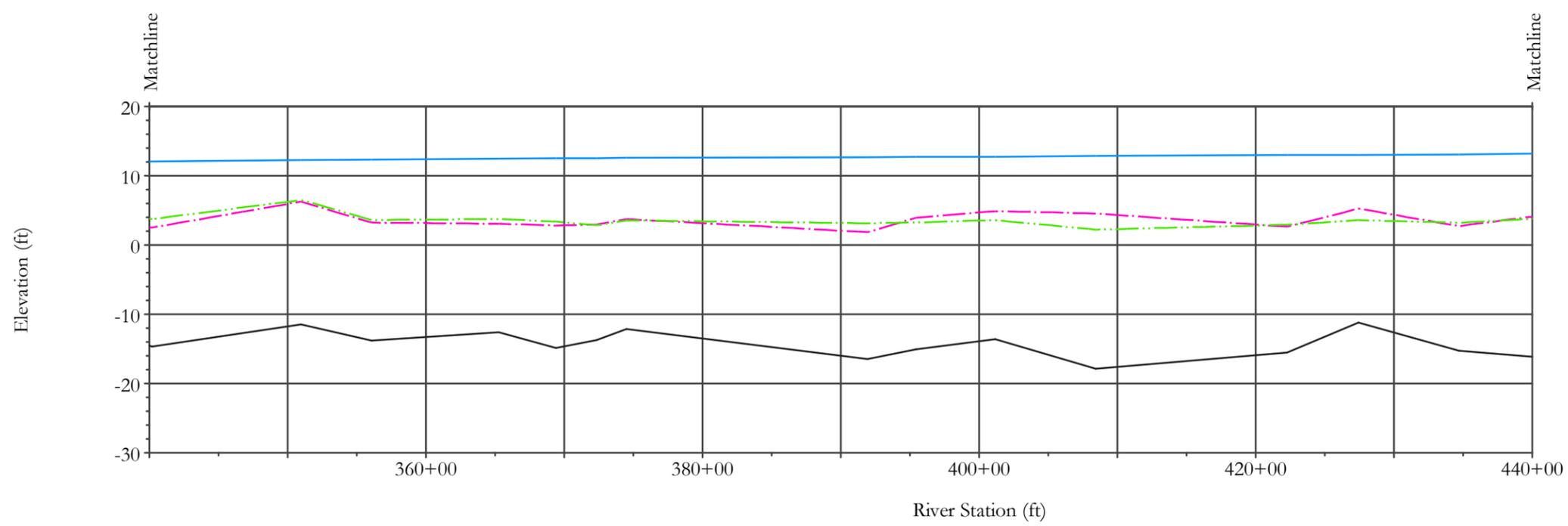
**CHANNEL PROFILES
DICKINSON BAYOU
DRAINAGE BASIN**

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Dickinson Bayou



Dickinson Bayou

Legend

- - - Left Overbank
- - - Right Overbank
- 1% Chance Flood WSEL

Source

Profile data provided by JKC, December 2008.



**MASTER DRAINAGE
PLAN**

**CHANNEL PROFILES
DICKINSON BAYOU
DRAINAGE BASIN**

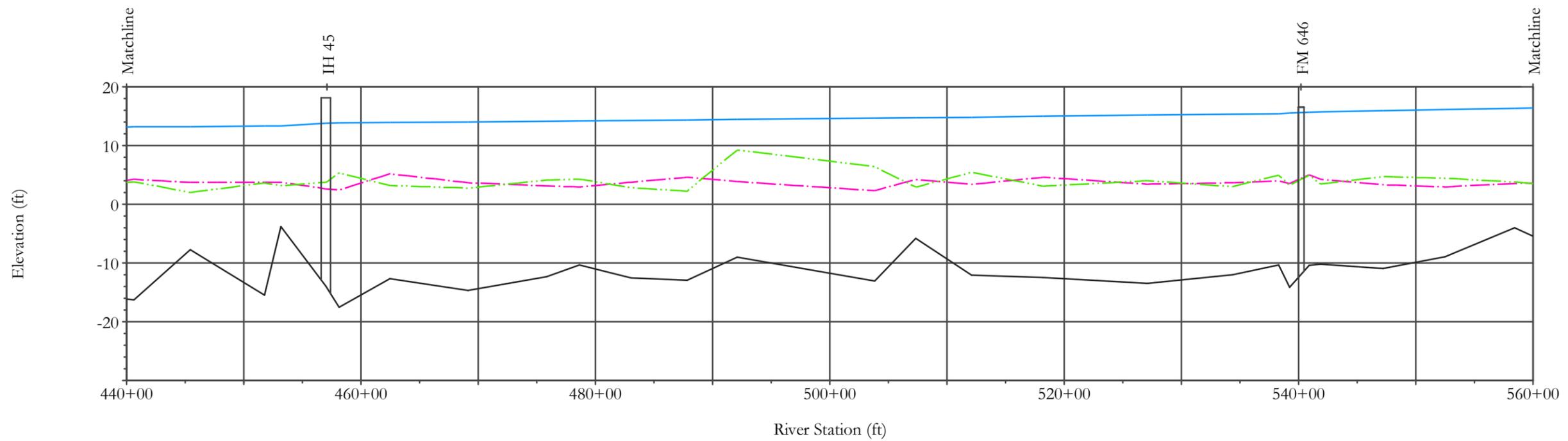
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July 29, 2010

JOB NO. 4533-01

PROFILE 8L

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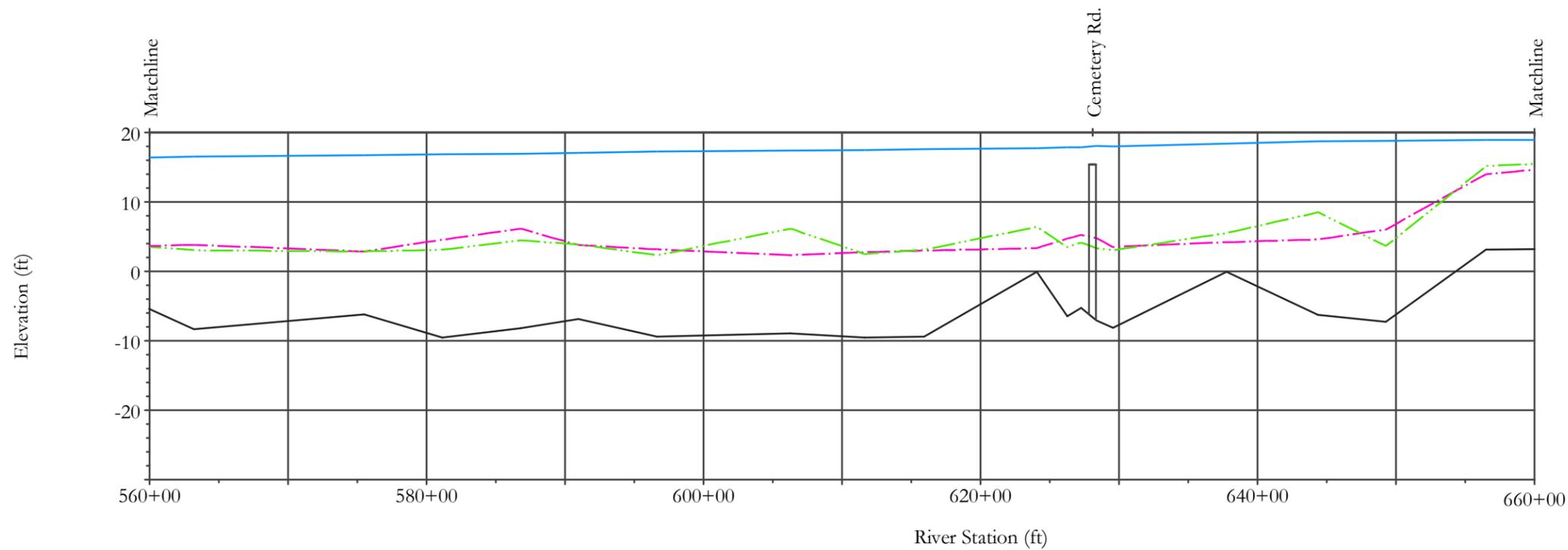
Dickinson Bayou

Legend

- - - Left Overbank
- - - Right Overbank
- 1% Chance Flood WSEL

Source

Profile data provided by JKC, December 2008.



Dickinson Bayou

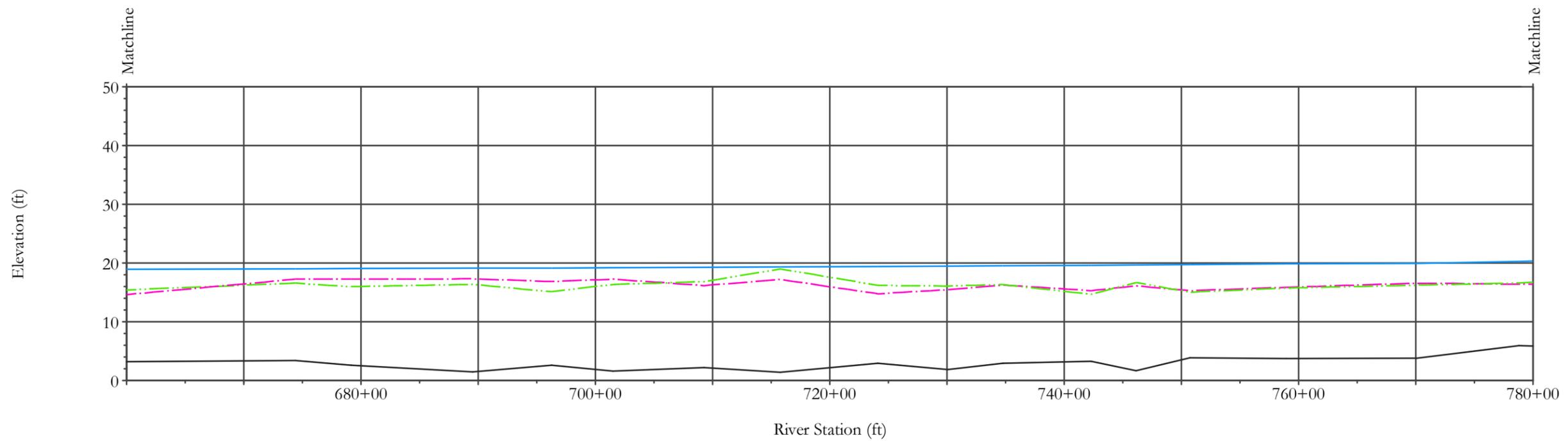


**MASTER DRAINAGE
PLAN**

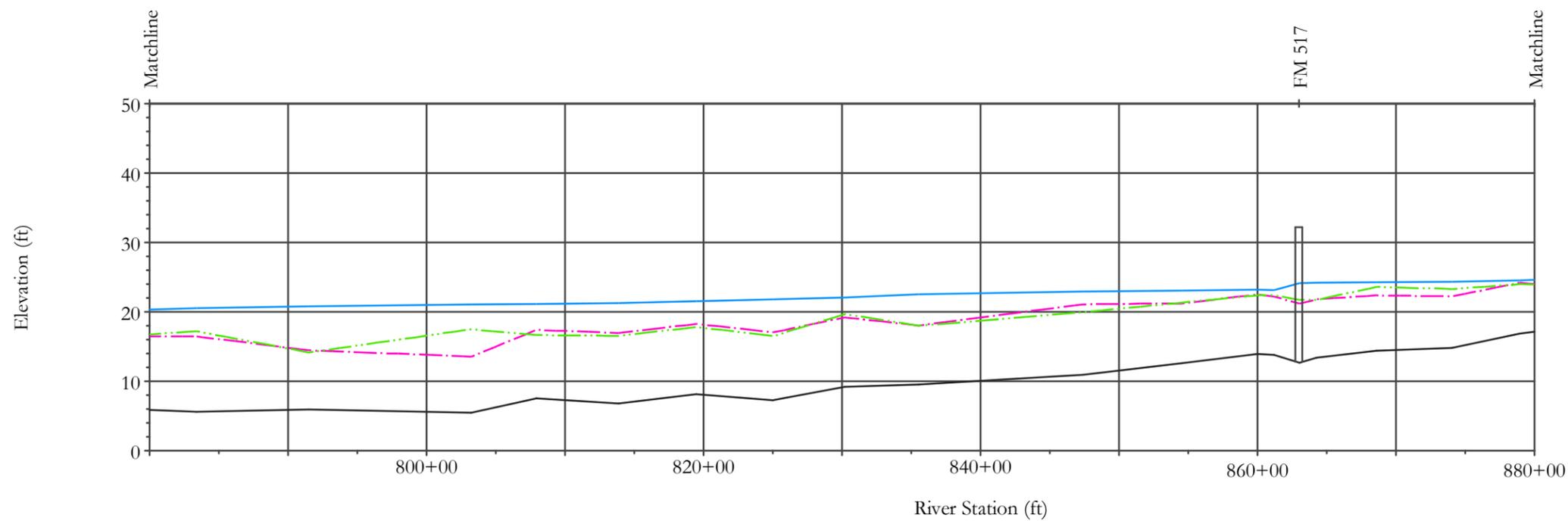
**CHANNEL PROFILES
DICKINSON BAYOU
DRAINAGE BASIN**

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July 29, 2010
JOB NO. 4533-01
PROFILE 8M



Dickinson Bayou



Dickinson Bayou

Legend

- · - Left Overbank
- · - Right Overbank
- 1% Chance Flood WSEL

Source

Profile data provided by JKC, December 2008.

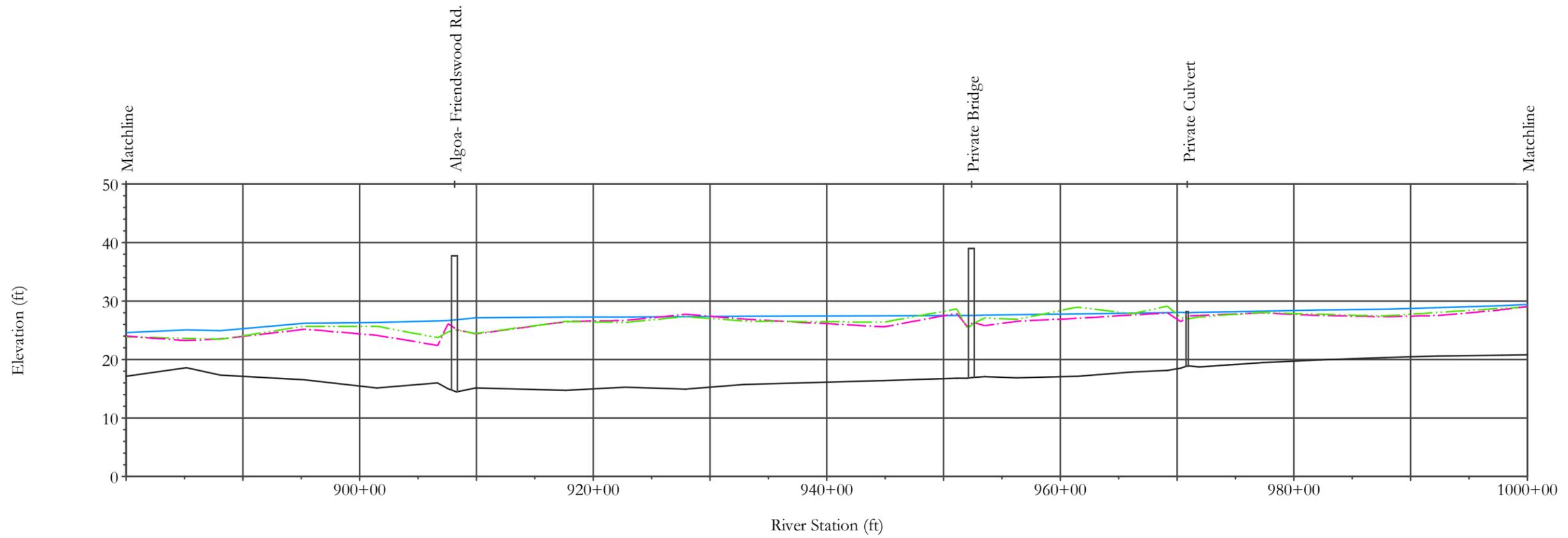


MASTER DRAINAGE PLAN

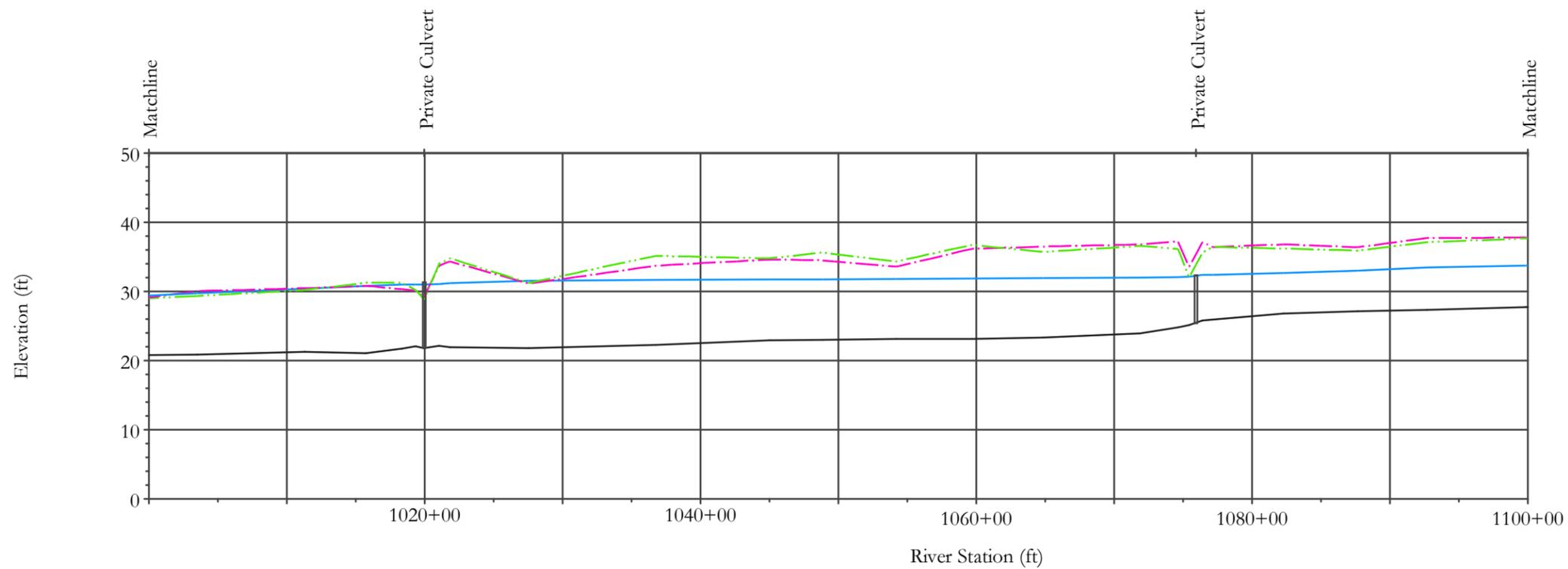
**CHANNEL PROFILES
DICKINSON BAYOU
DRAINAGE BASIN**

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Dickinson Bayou



Dickinson Bayou

Legend

- - - Left Overbank
- . . . Right Overbank
- 1% Chance Flood WSEL

Source

Profile data provided by JKC, December 2008.

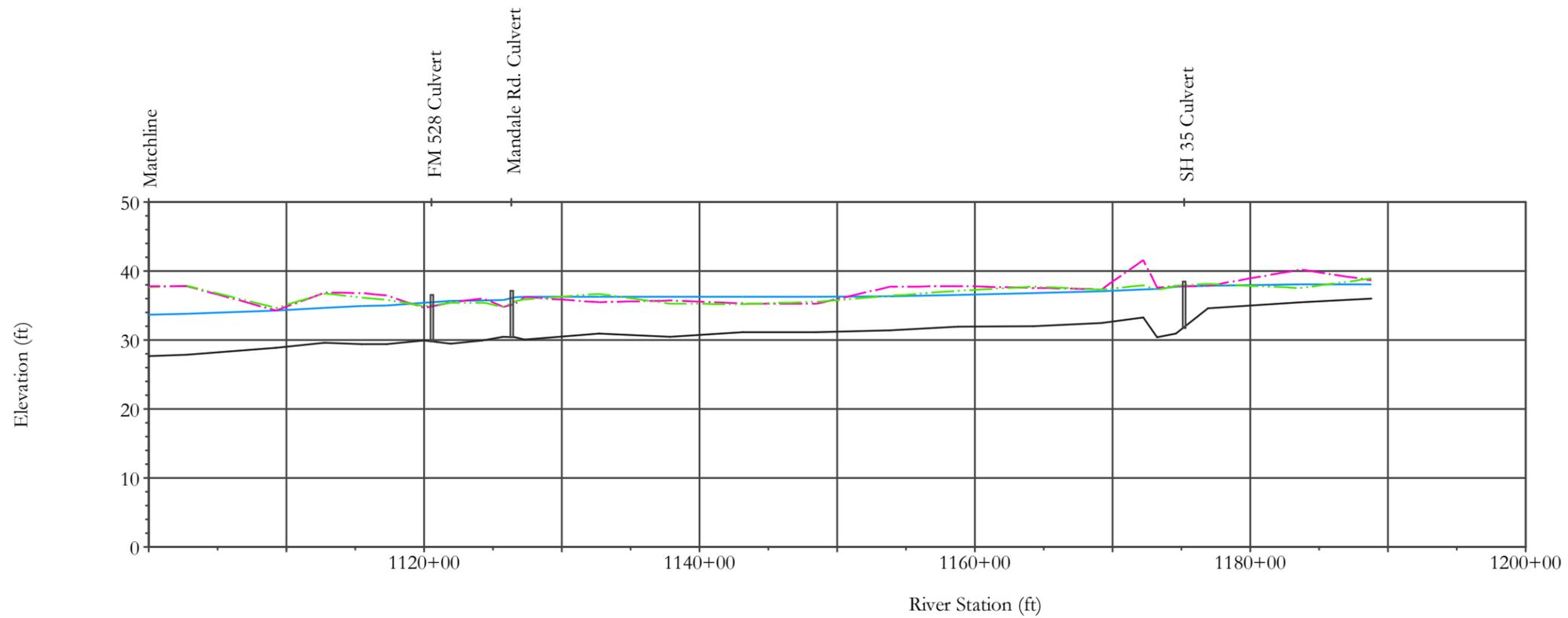


MASTER DRAINAGE PLAN

**CHANNEL PROFILES
DICKINSON BAYOU
DRAINAGE BASIN**

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Dickinson Bayou

Legend

- - - Left Overbank
- · - · - Right Overbank
- 1% Chance Flood WSEL

Source

Profile data provided by JKC, December 2008.



MASTER DRAINAGE PLAN

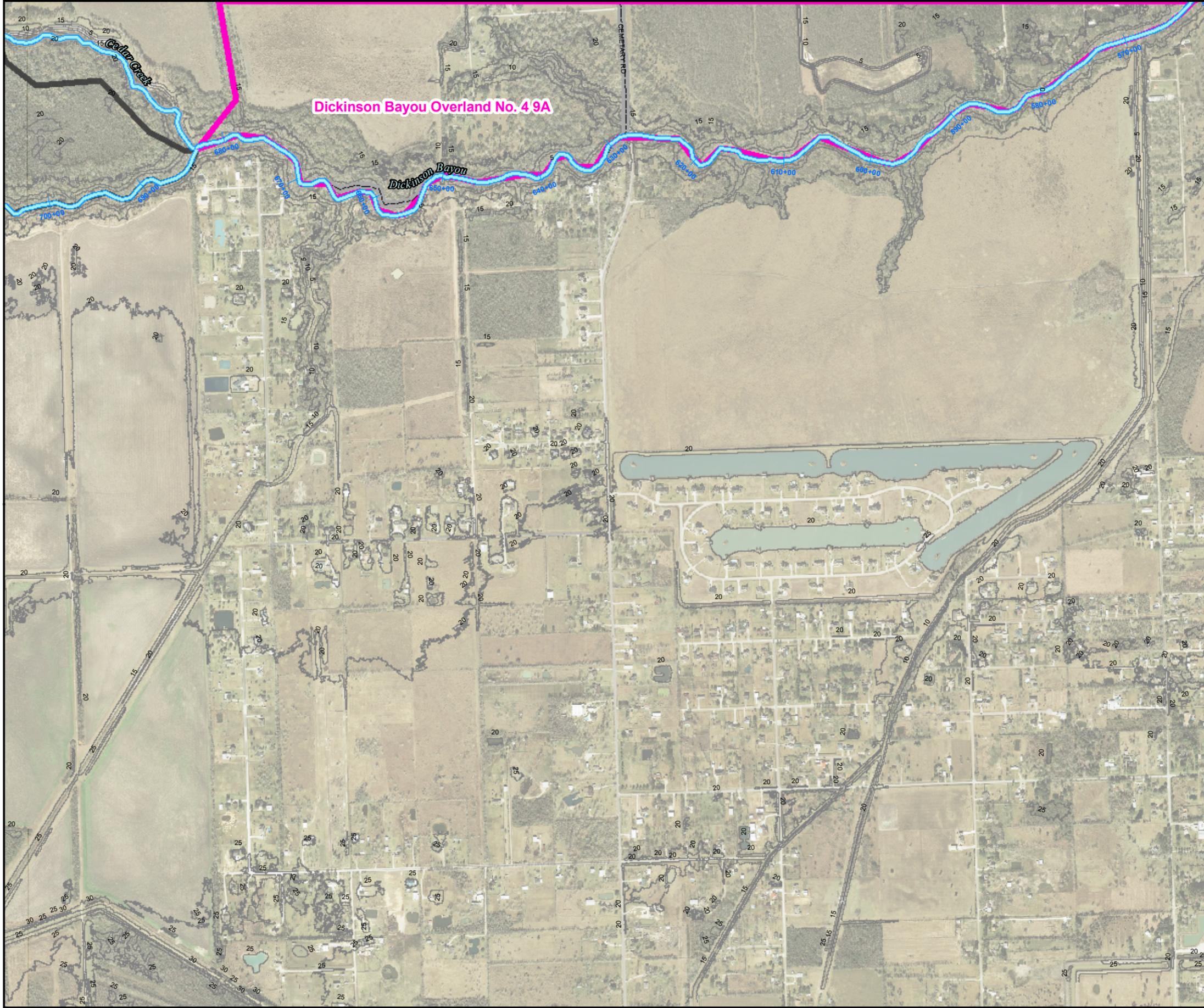
CHANNEL PROFILES DICKINSON BAYOU DRAINAGE BASIN

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9B

9C

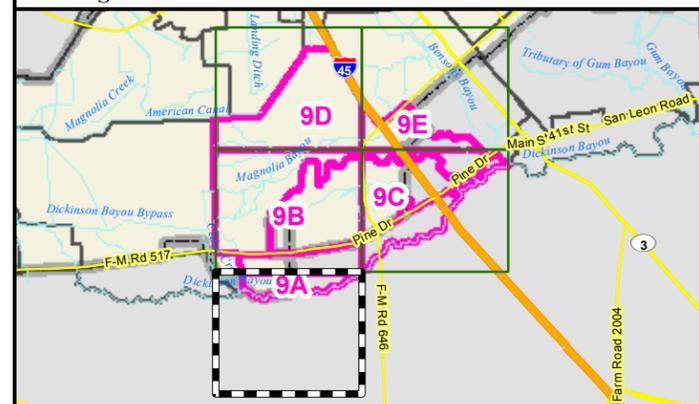
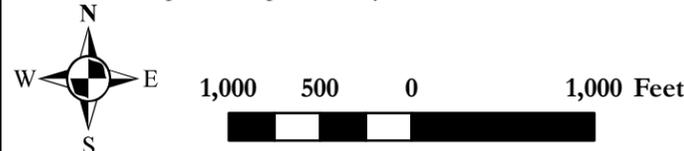


Legend

- Magnolia Bayou, Bordens Gully
- Other Subwatersheds
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source

Aerial imagery provided by H-GAC, dated 2008.
 Contours created from TNRIS DEMs of 2006 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.



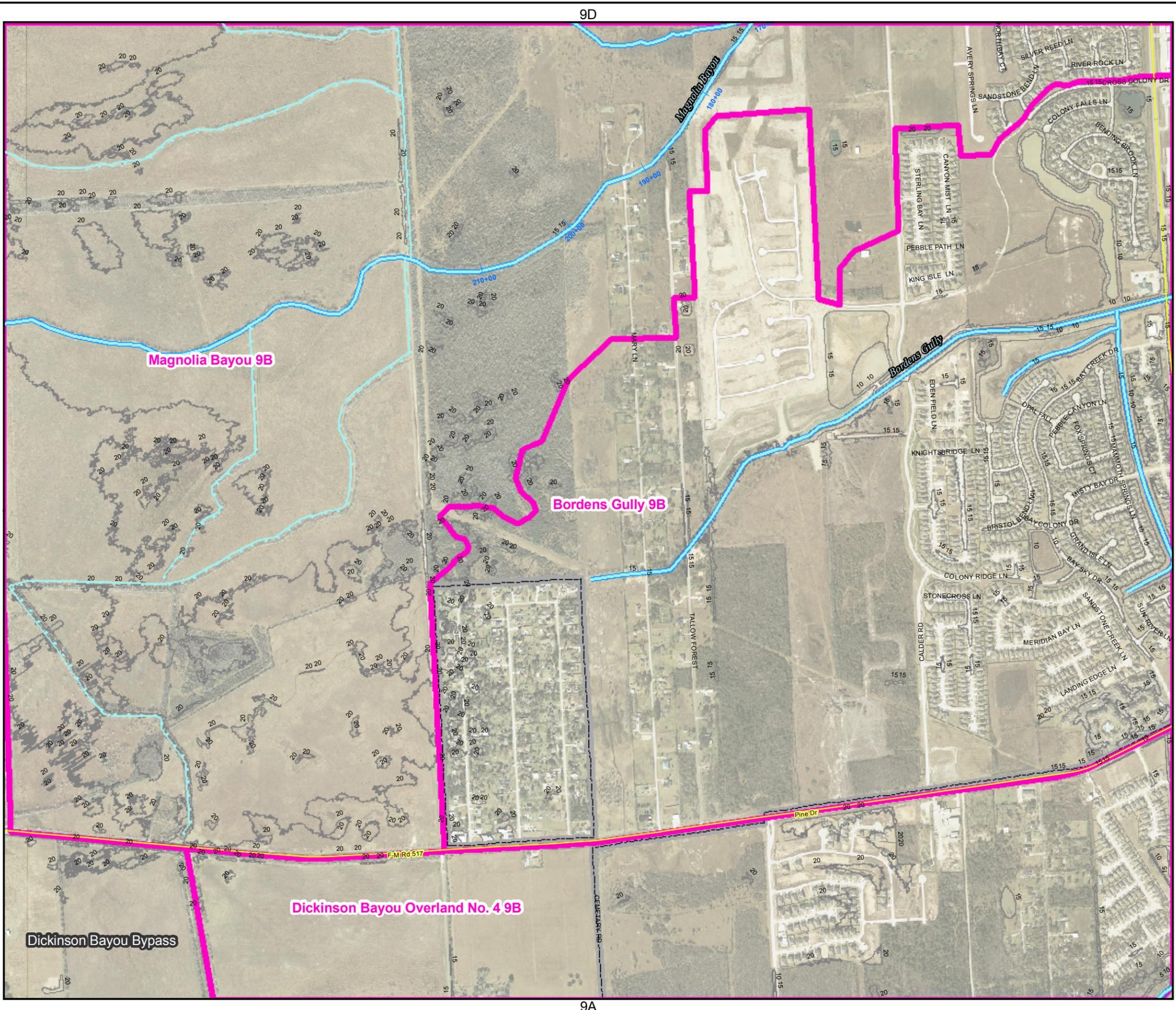
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MASTER DRAINAGE PLAN

MAGNOLIA BAYOU / BORDENS GULLY DRAINAGE BASIN
INDEX # 9A

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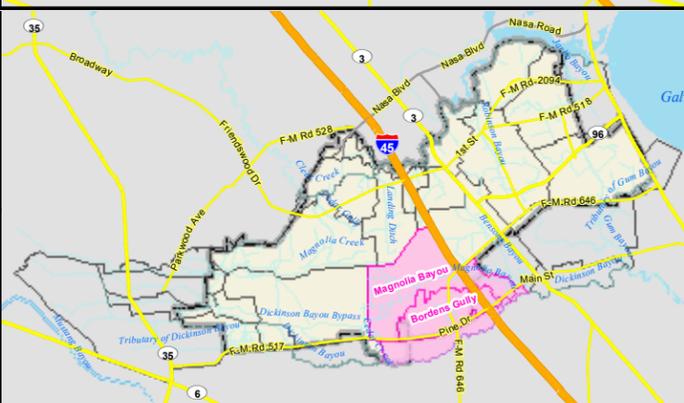
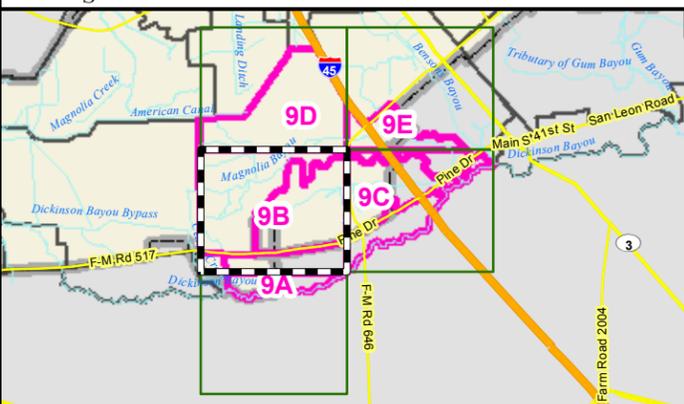
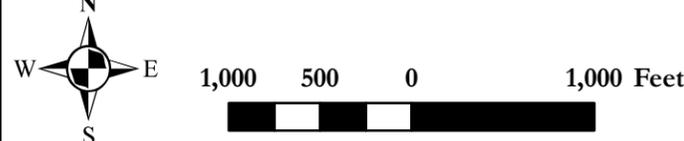


Legend

- Magnolia Bayou, Bordens Gully
- Other Subwatersheds
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source

Aerial imagery provided by H-GAC, dated 2008.
 Contours created from TNRIS DEMs of 2006 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.



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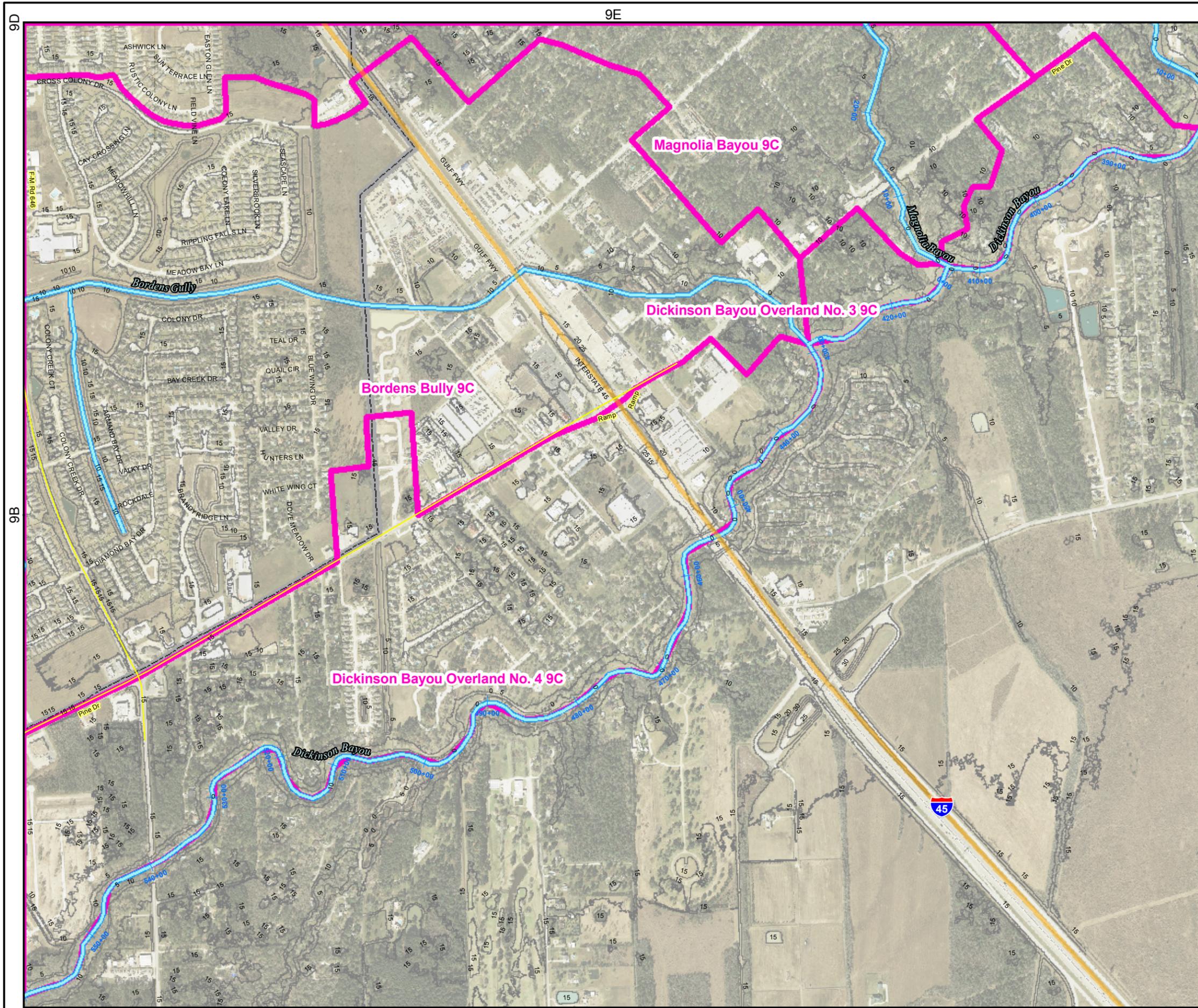
MASTER DRAINAGE PLAN

MAGNOLIA BAYOU / BORDENS GULLY DRAINAGE BASIN

INDEX # 9B

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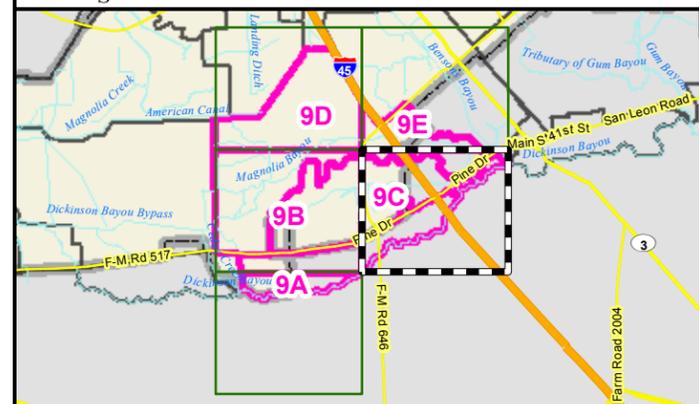


Legend

- Magnolia Bayou, Bordens Gully
- Other Subwatersheds
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source

Aerial imagery provided by H-GAC, dated 2008.
 Contours created from TNRIS DEMs of 2006 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.



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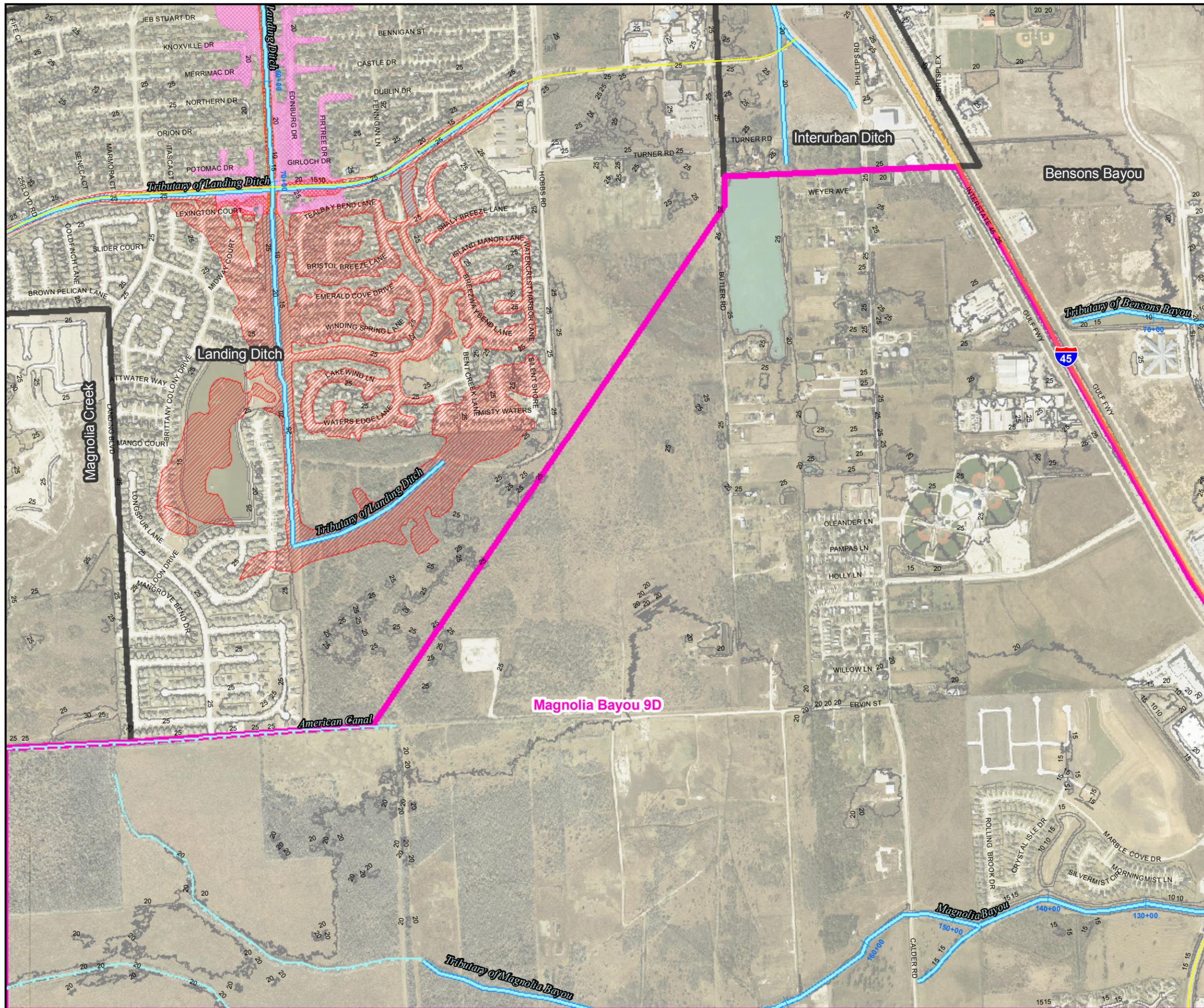
MASTER DRAINAGE PLAN

MAGNOLIA BAYOU / BORDENS GULLY DRAINAGE BASIN

INDEX # 9C

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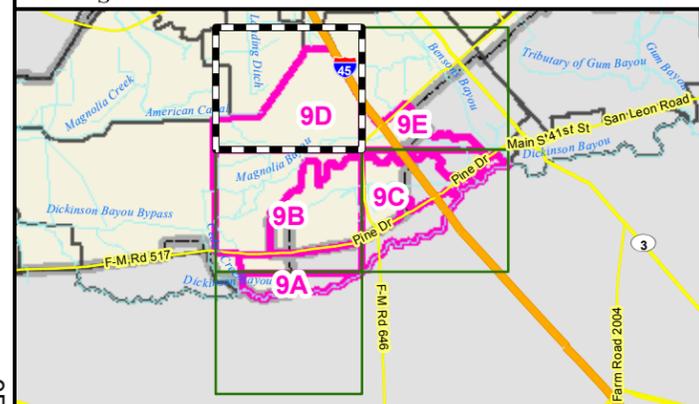
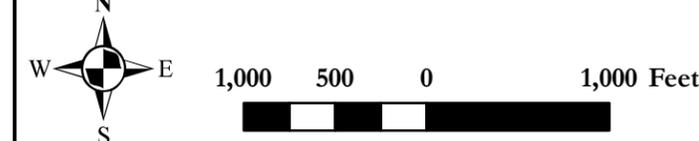
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Legend

- Magnolia Bayou, Bordens Gully
- Other Subwatersheds
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source
 Aerial imagery provided by H-GAC, dated 2008.
 Contours created from TNRIS DEMs of 2006 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.



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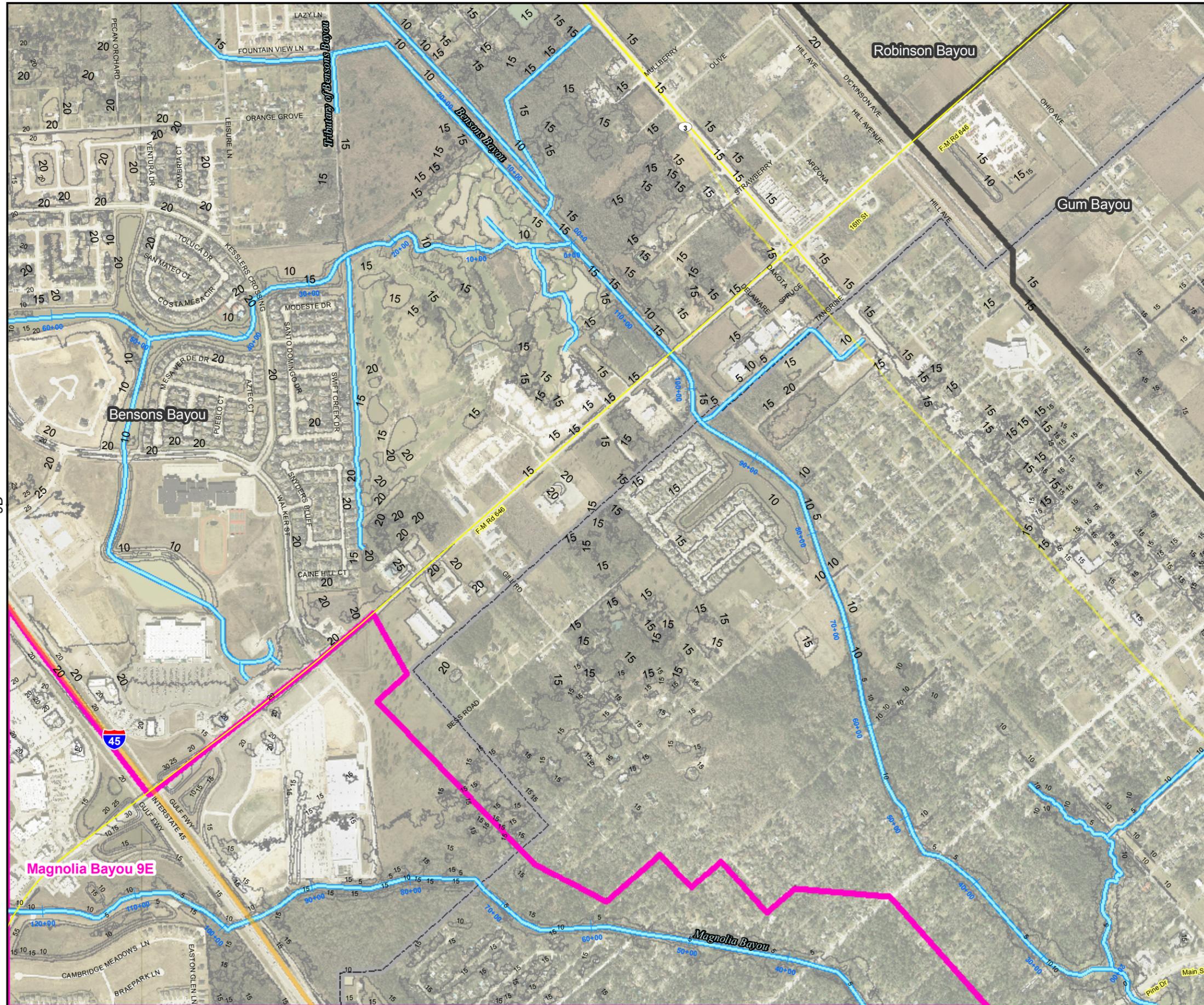
MASTER DRAINAGE PLAN

MAGNOLIA BAYOU / BORDENS GULLY DRAINAGE BASIN

INDEX # 9D

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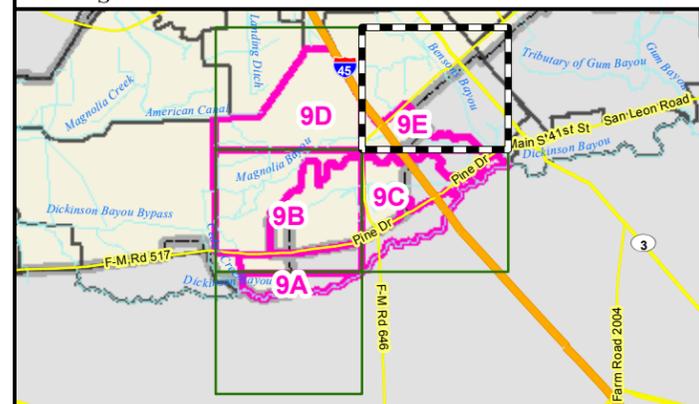
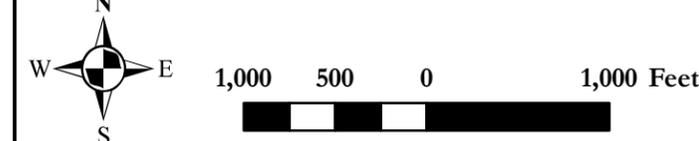


Legend

- Magnolia Bayou, Bordens Gully (Pink outline)
- Other Subwatersheds (Black outline)
- Channel (Blue line)
- Canal (Light blue line)
- Identifier Layer (Dashed black line)
- League City (Grey shaded area)
- Floodway (Orange hatched area)
- 1% Chance Floodplain (Red hatched area)
- Zone A (Red diagonal hatched area)
- 0.2% Chance Floodplain (Pink hatched area)

Source

Aerial imagery provided by H-GAC, dated 2008.
 Contours created from TNRIS DEMs of 2006 LiDAR.
 Floodplain data provided by Dannenbaum, 2010.



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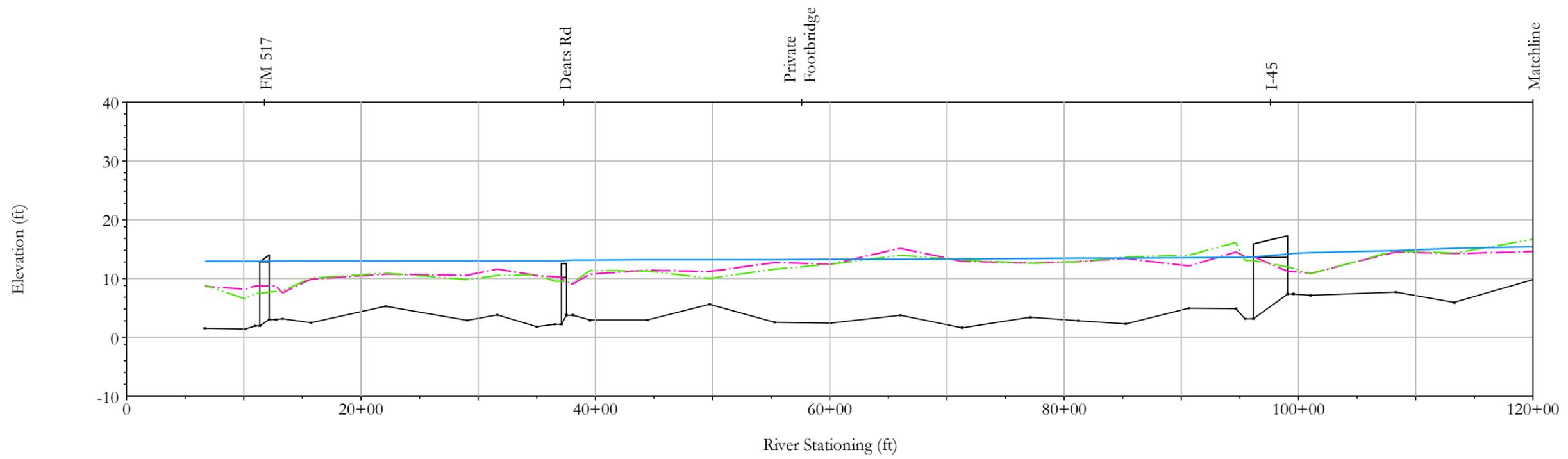
MASTER DRAINAGE PLAN

MAGNOLIA BAYOU / BORDENS GULLY DRAINAGE BASIN

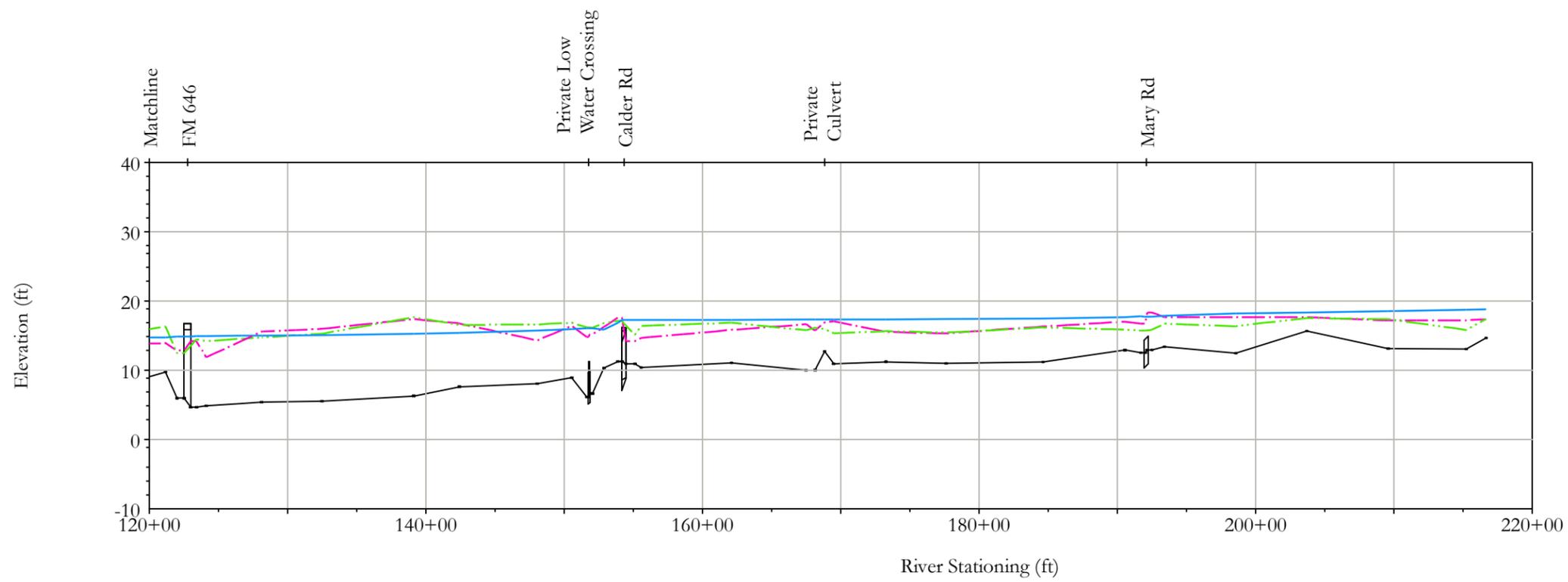
INDEX # 9E

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Magnolia Bayou Reach MB100a



Magnolia Bayou Reach MB100a

Legend

- - - Left Overbank
- - - Right Overbank
- 1% Chance Flood WSEL

Source

Profile data provided by JKC, December 2008.

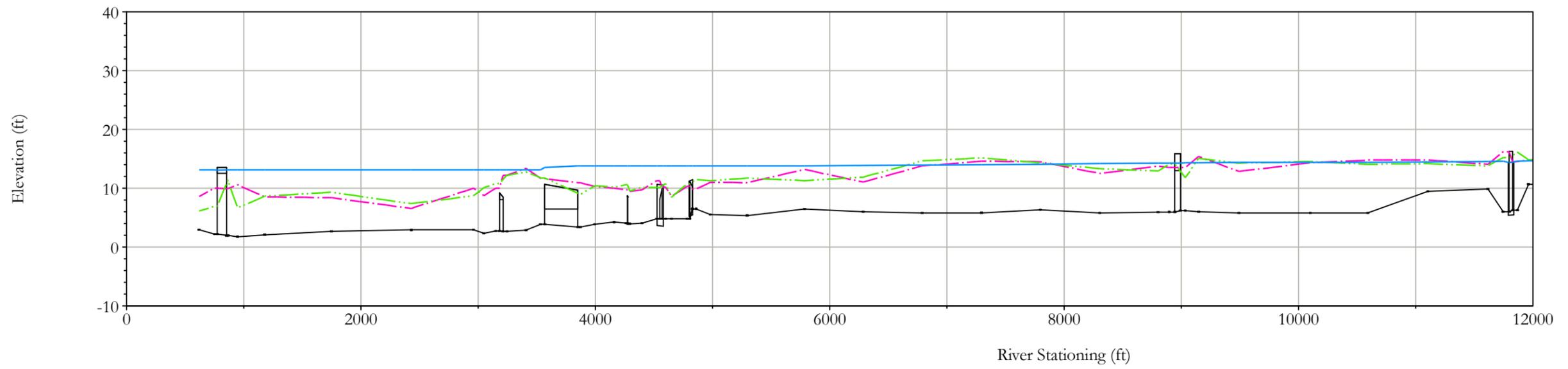


MASTER DRAINAGE PLAN

**CHANNEL PROFILES
MAGNOLIA BAYOU
DRAINAGE BASIN**

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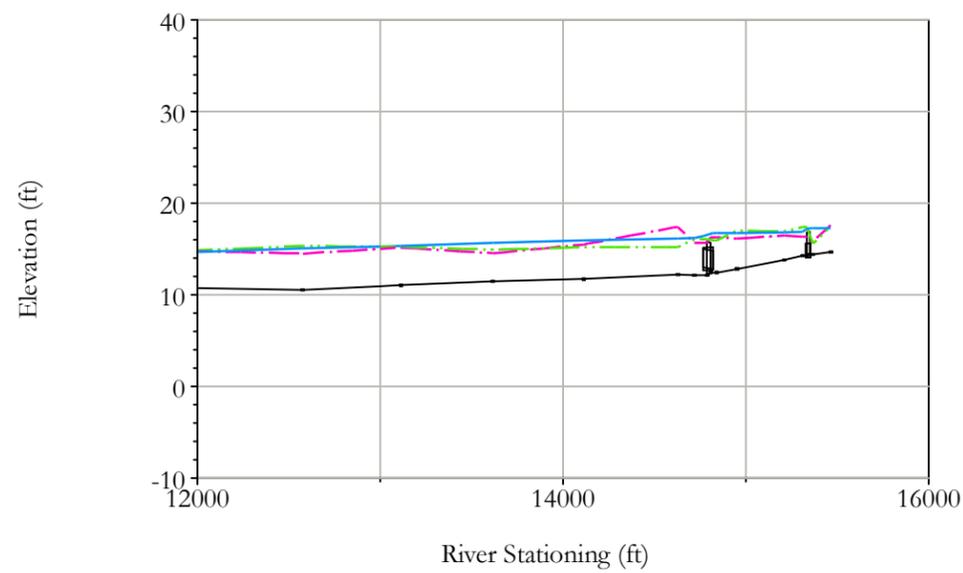
Bordens Gully

Legend

- - - Left Overbank
- - - Right Overbank
- 1% Chance Flood WSEL

Source

Profile data provided by JKC, 2008.



Bordens Gully



**MASTER DRAINAGE
PLAN**

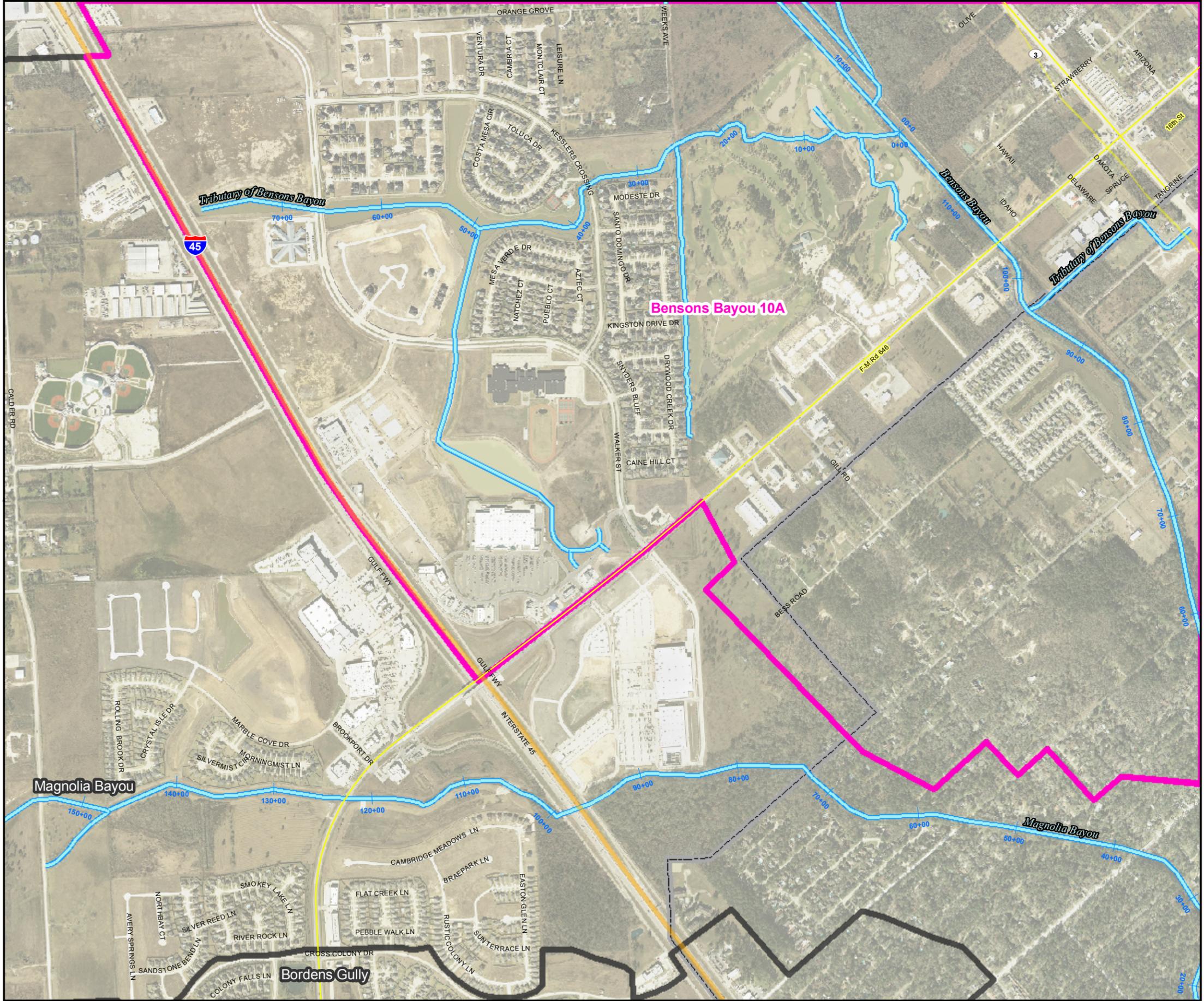
**CHANNEL PROFILES
BORDENS GULLY
DRAINAGE BASIN**

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July 2, 2010

JOB NO. 4533-01

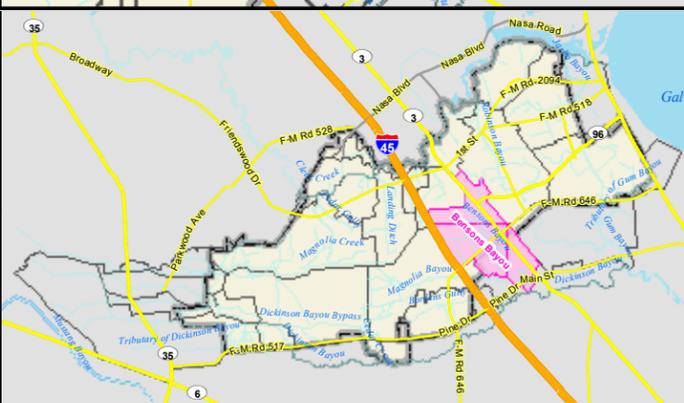
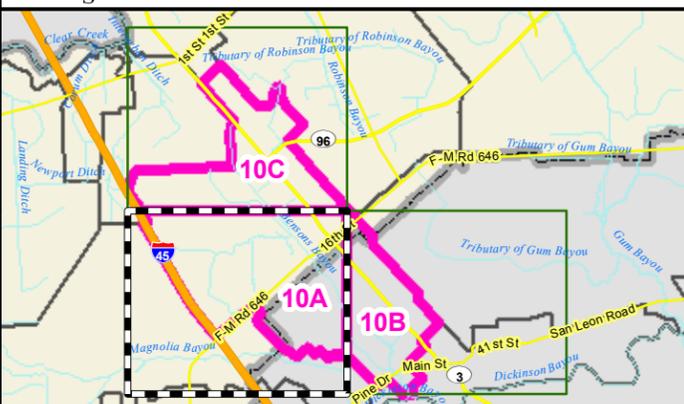
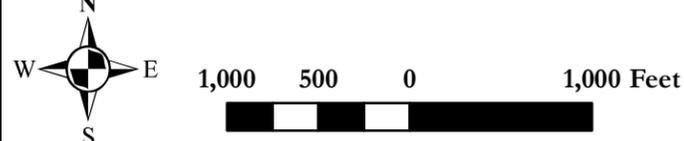
PROFILE 9G



Legend

- Bensons Bayou
- Other Subwatersheds
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.

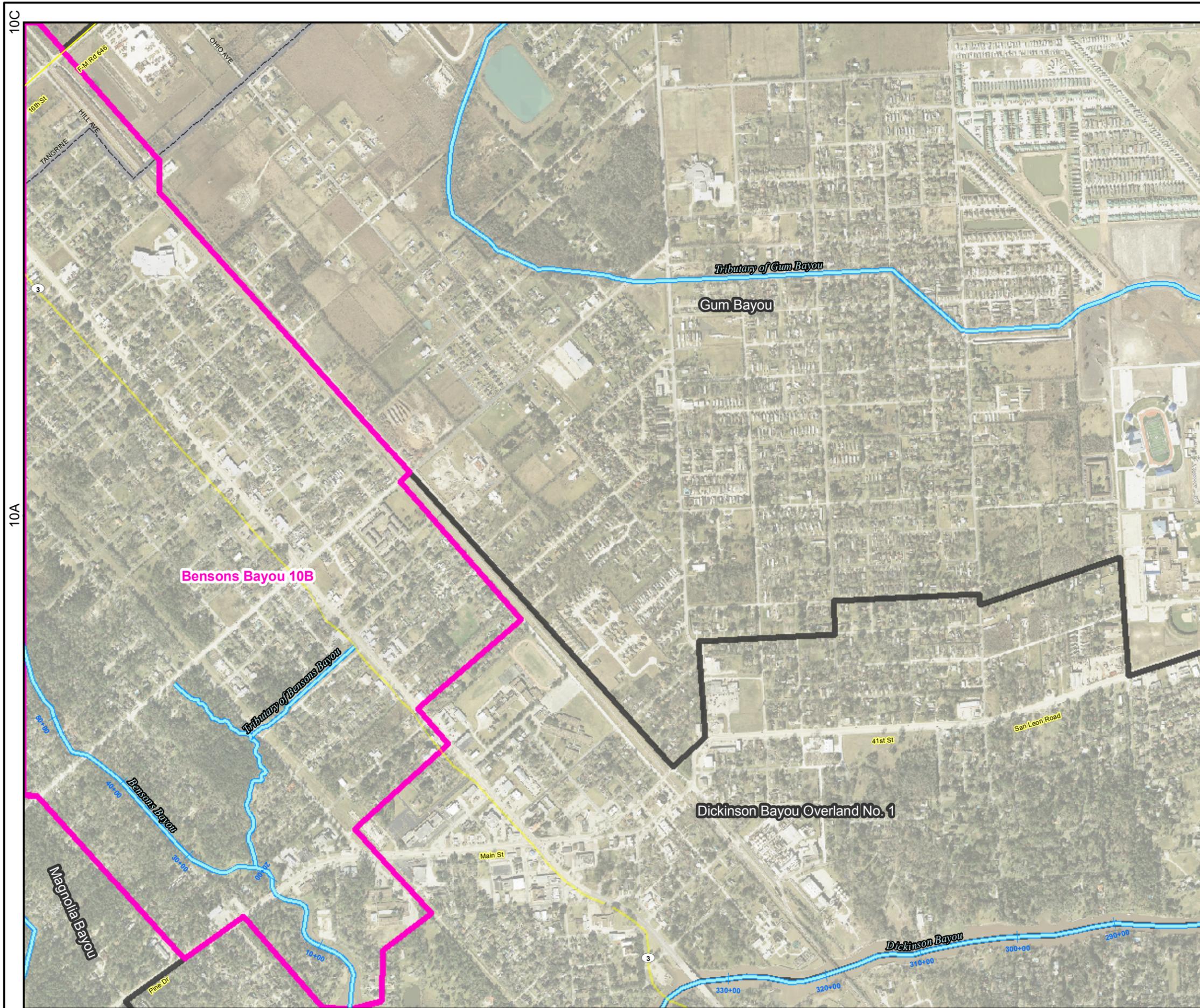


MASTER DRAINAGE PLAN

BENSONS BAYOU DRAINAGE BASIN INDEX #10A

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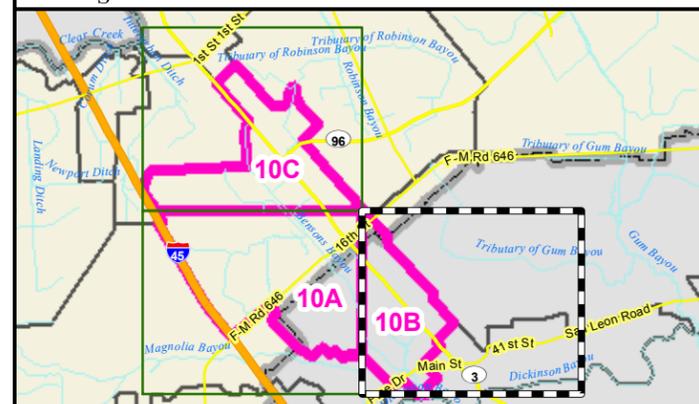
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Legend

Bensons Bayou	Floodway
Other Subwatersheds	1% Chance Floodplain
Channel	Zone A
Canal	0.2% Chance Floodplain
Identifier Layer	
League City	

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.

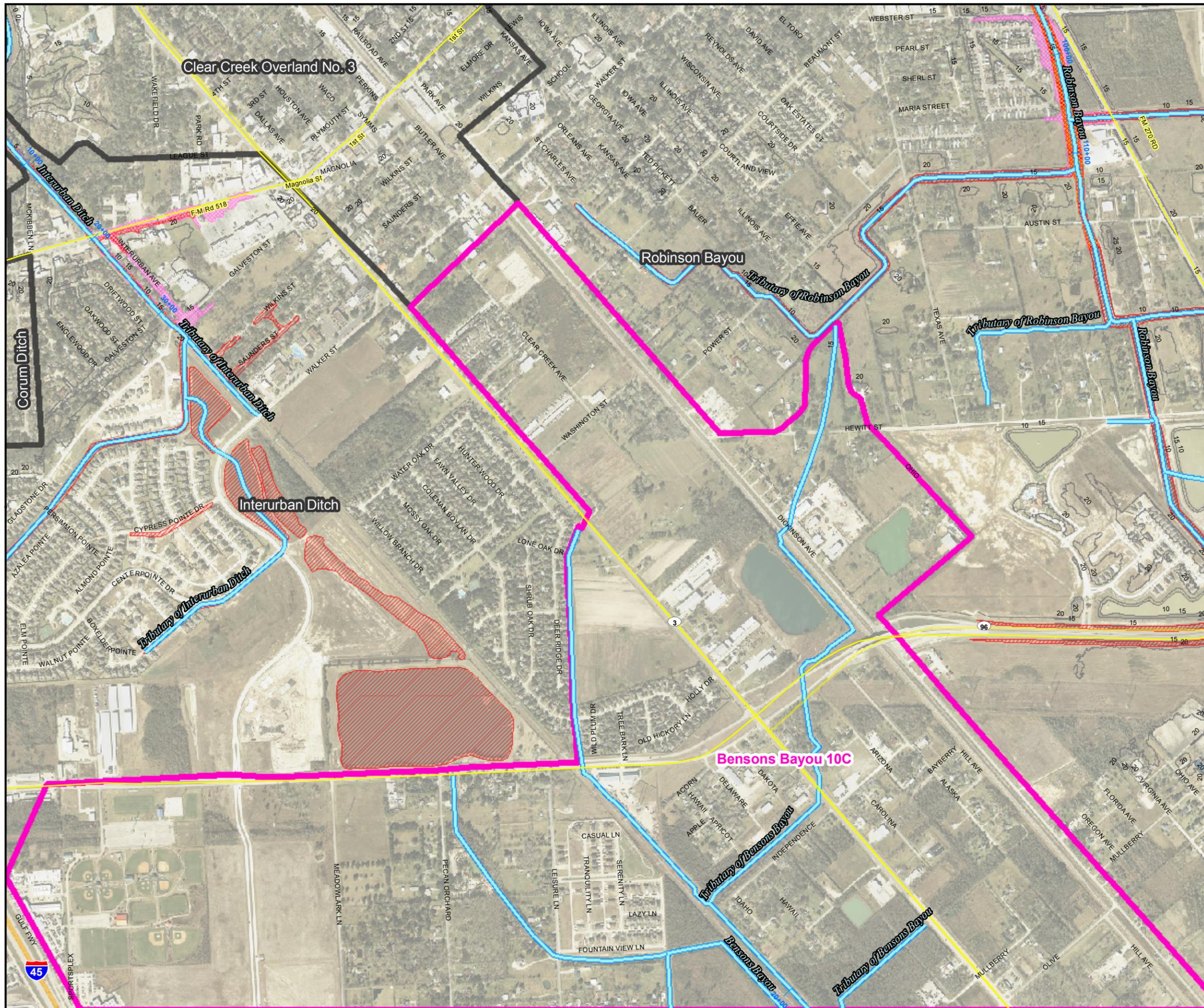


MASTER DRAINAGE PLAN

BENSONS BAYOU DRAINAGE BASIN INDEX # 10B

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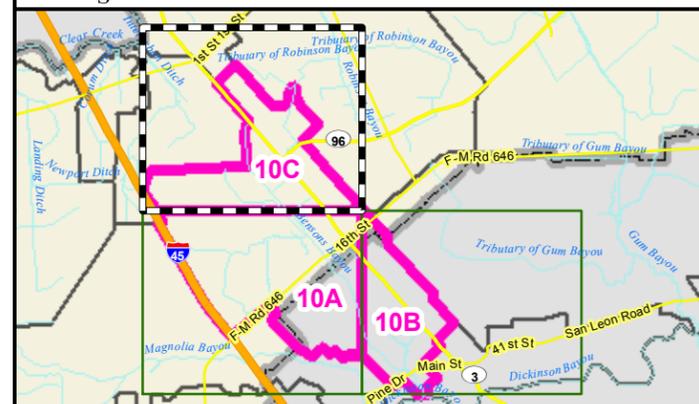
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Legend

- Bensons Bayou
- Other Subwatersheds
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.

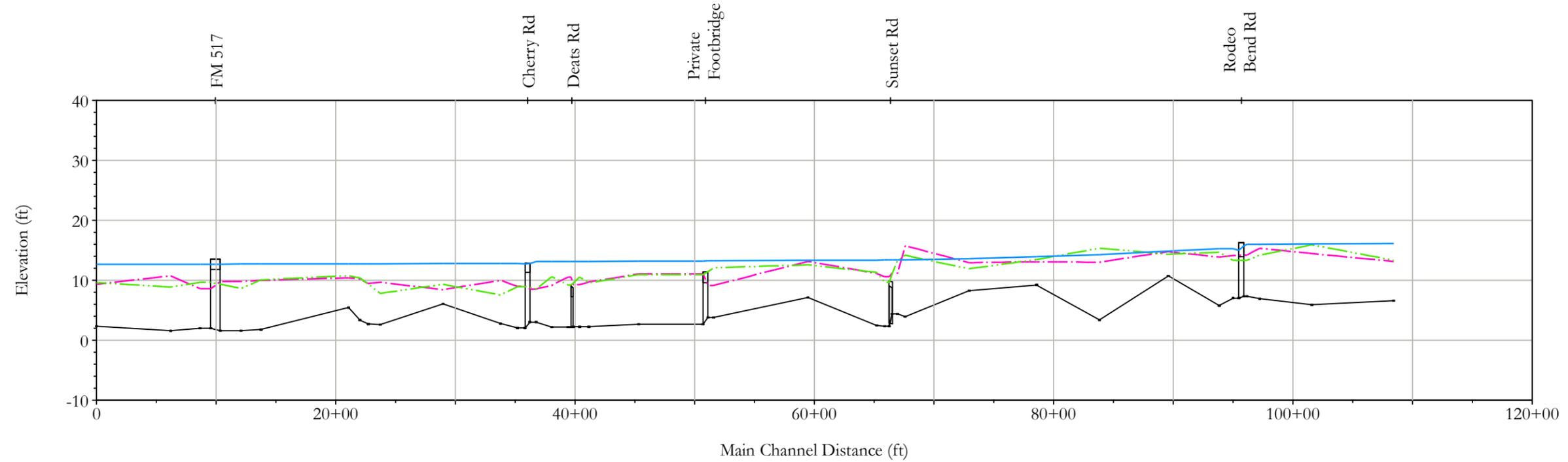


MASTER DRAINAGE PLAN

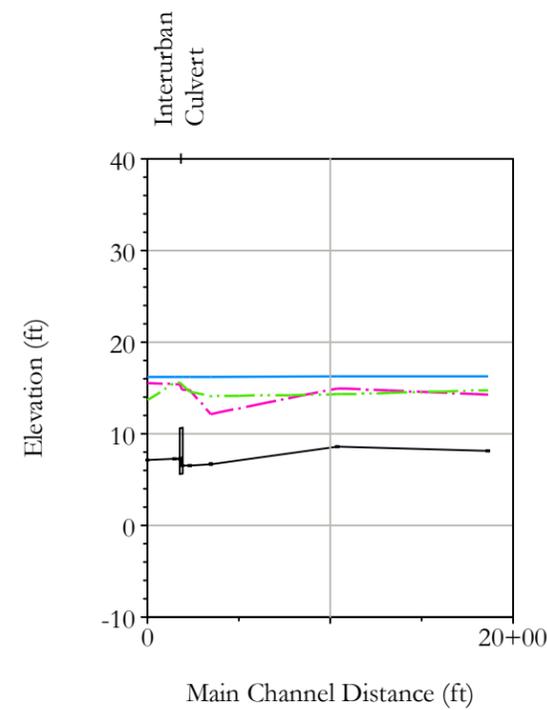
BENSONS BAYOU DRAINAGE BASIN INDEX # 10C

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Bensons Bayou Reach BB100a



Bensons Bayou Reach BB100b

Legend

- · - Left Overbank
- · - Right Overbank
- 1% Chance Flood WSEL

Source

Preliminary FIRM data provided by Dannenbaum, 2010.



MASTER DRAINAGE PLAN

**CHANNEL PROFILES
BENSONS BAYOU
DRAINAGE BASIN**

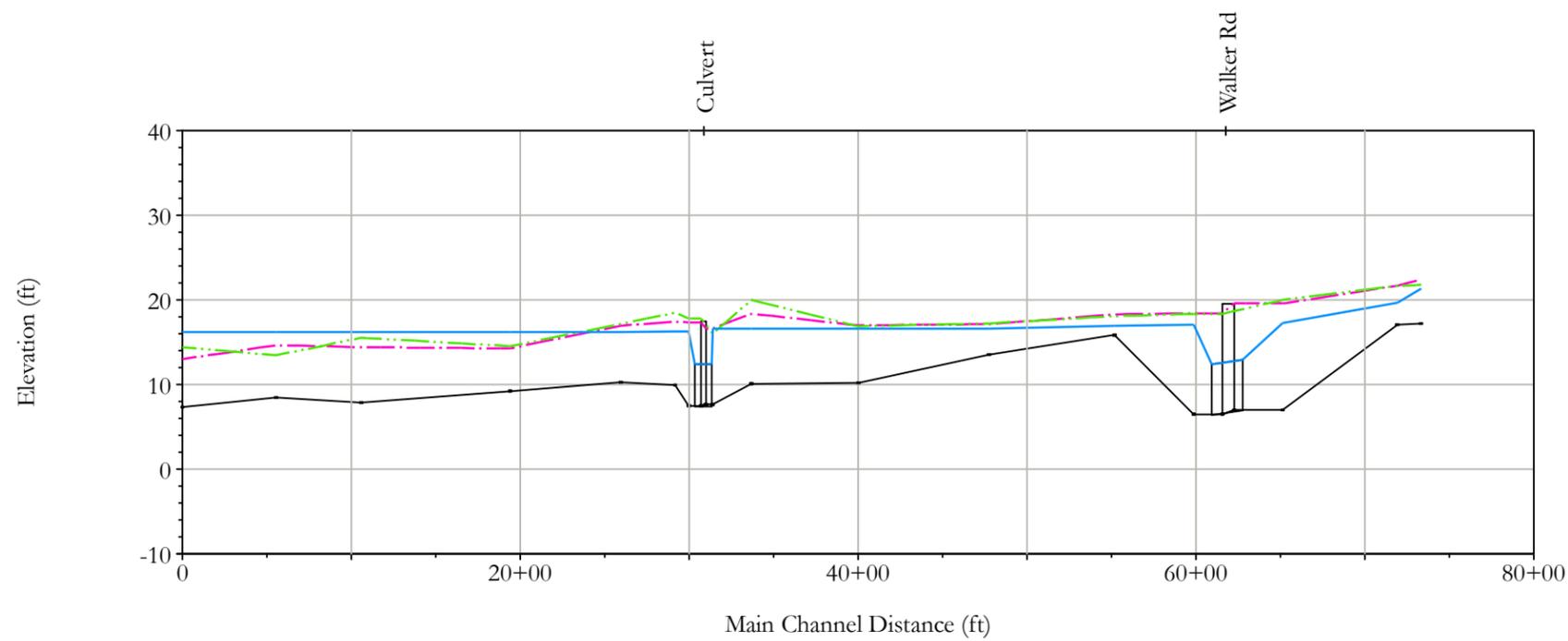
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July 2, 2010

JOB NO. 4533-01

PROFILE 10D



Bensons Bayou Reach BB100c

Legend

- · - Left Overbank
- · - Right Overbank
- 1% Chance Flood WSEL

Source

Preliminary FIRM data provided by Dannenbaum, 2010.



**MASTER DRAINAGE
PLAN**

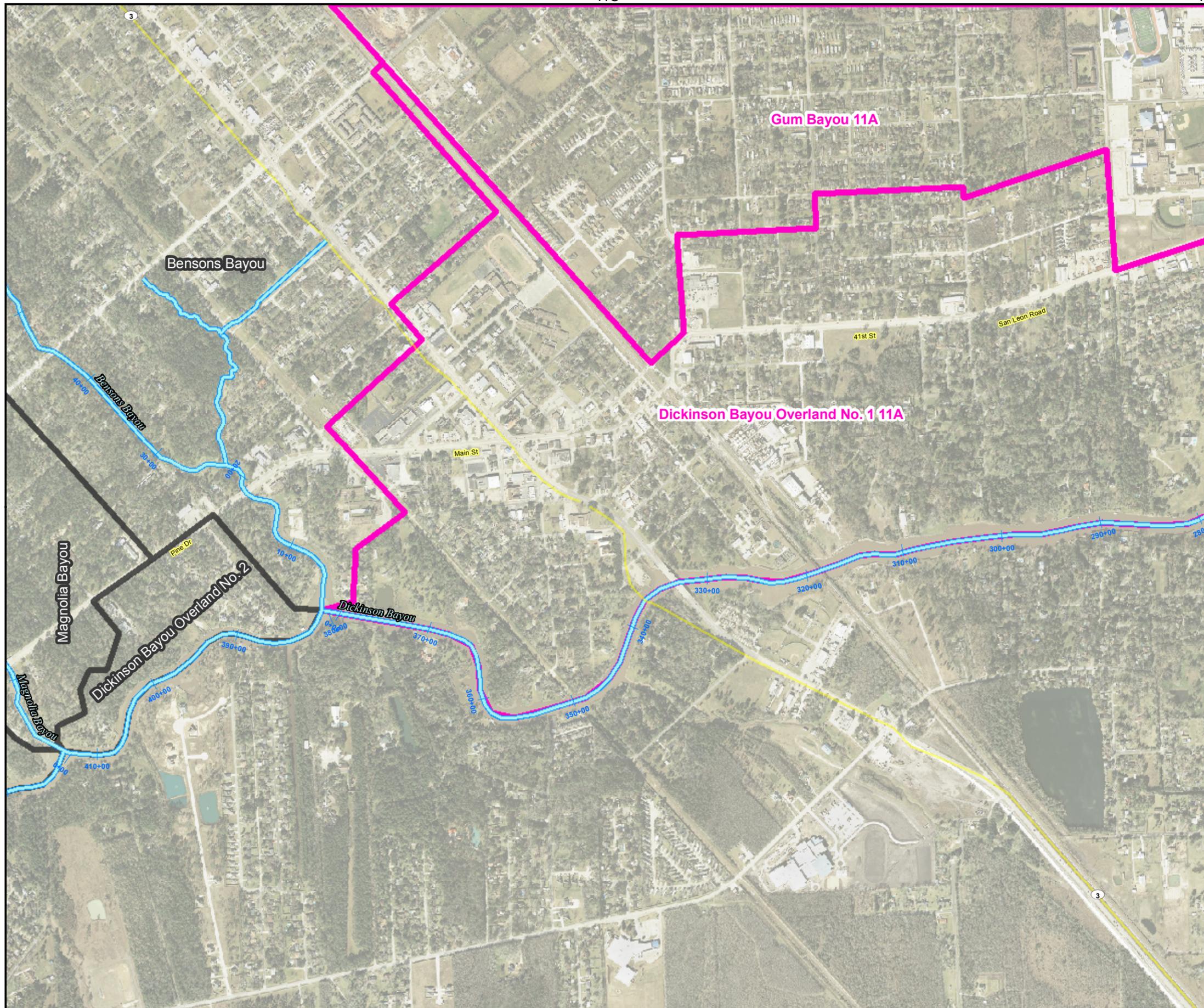
**CHANNEL PROFILES
BENSONS BAYOU
DRAINAGE BASIN**

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11C

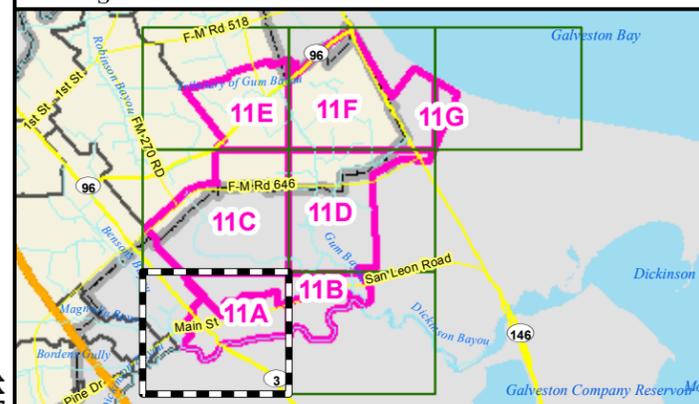
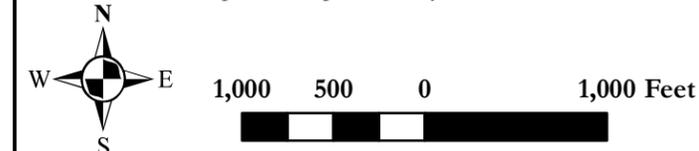
11D



Legend

Other Subwatersheds	Floodway
Gum Bayou, Dickinson Creek Ov No. 1	1% Chance Floodplain
Channel	Zone A
Canal	0.2% Chance Floodplain
Identifier Layer	
League City	

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.

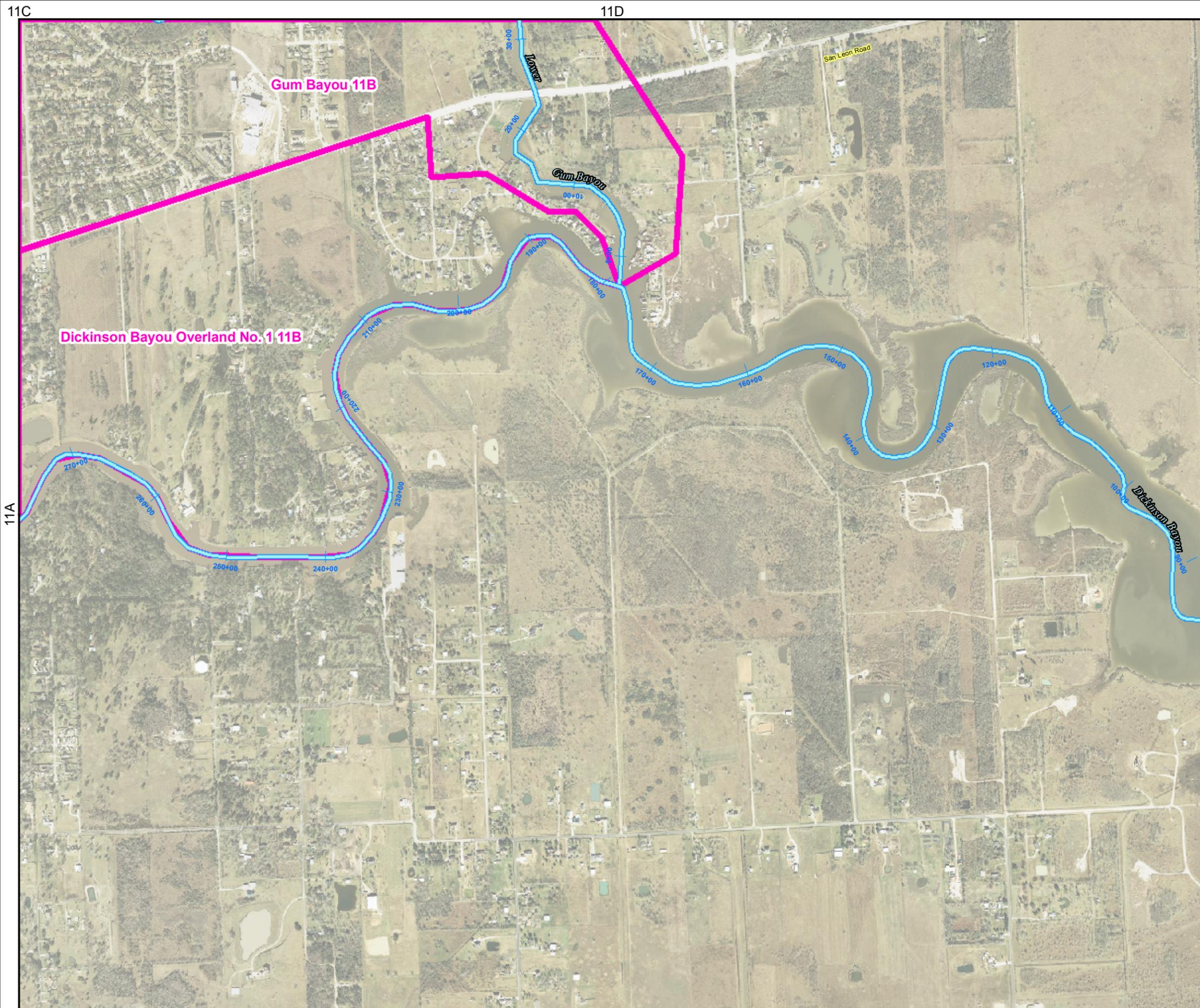


MASTER DRAINAGE PLAN

GUM BAYOU DRAINAGE BASIN INDEX # 11A

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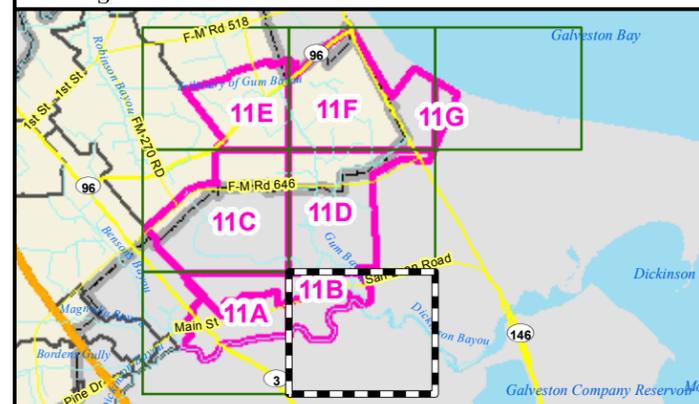
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Legend

	Other Subwatersheds		Floodway
	Gum Bayou, Dickinson Creek Ov No. 1		1% Chance Floodplain
	Channel		Zone A
	Canal		0.2% Chance Floodplain
	Identifier Layer		
	League City		

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.



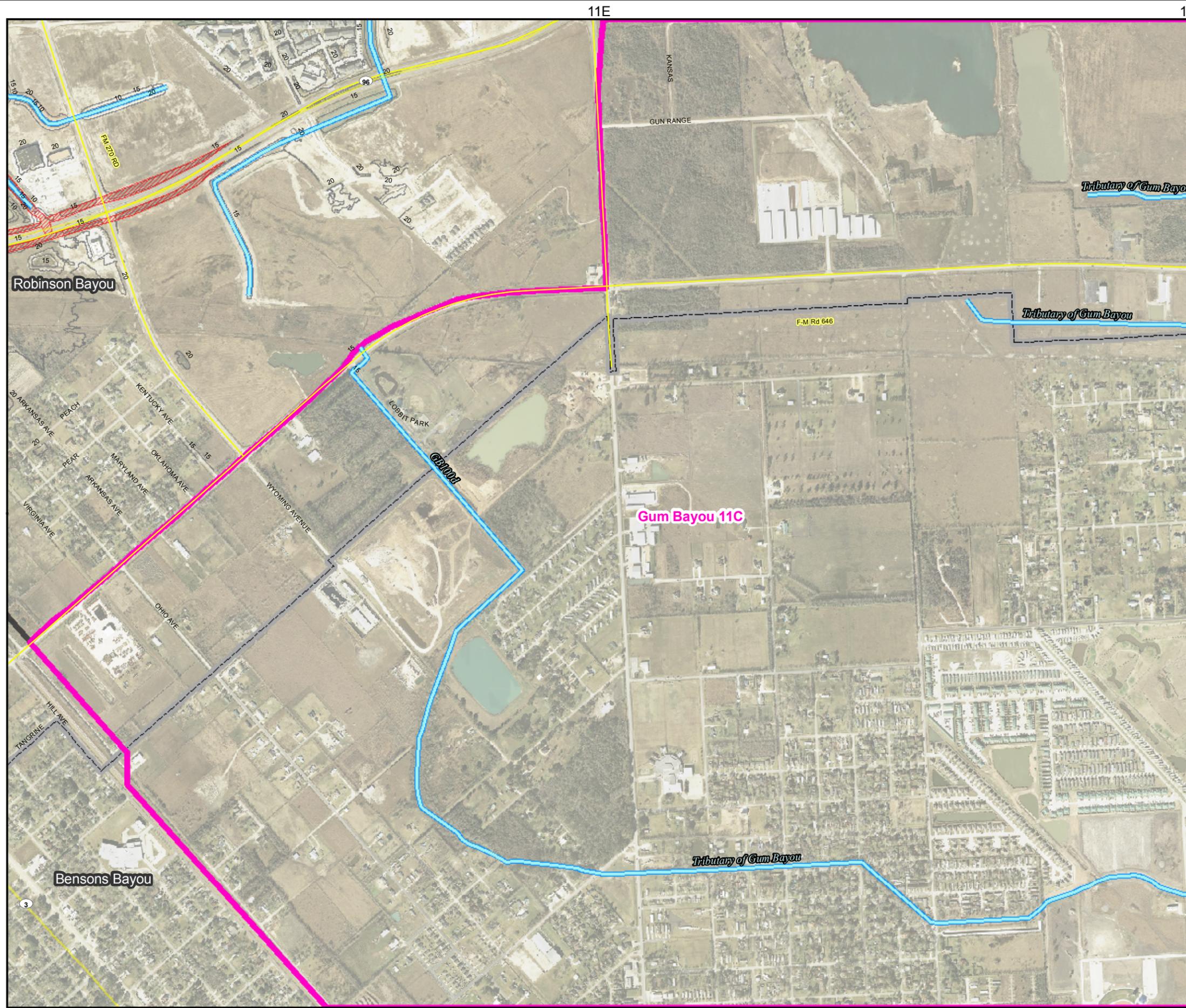
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MASTER DRAINAGE PLAN

GUM BAYOU DRAINAGE BASIN INDEX # 11B

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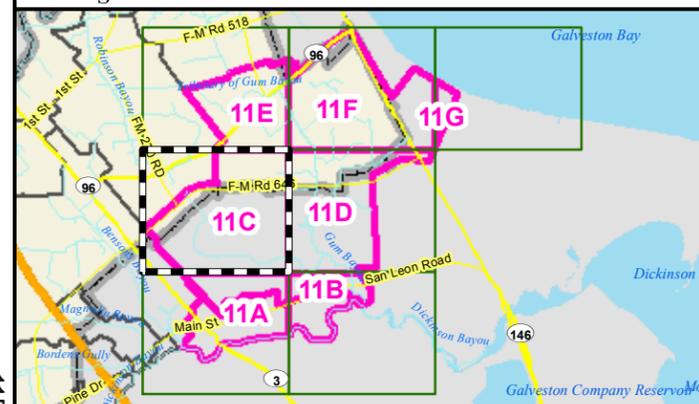
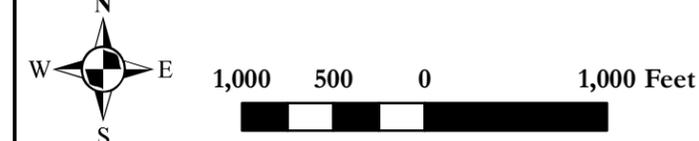
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Legend

- Other Subwatersheds
- Gum Bayou, Dickinson Creek Ov No. 1
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.

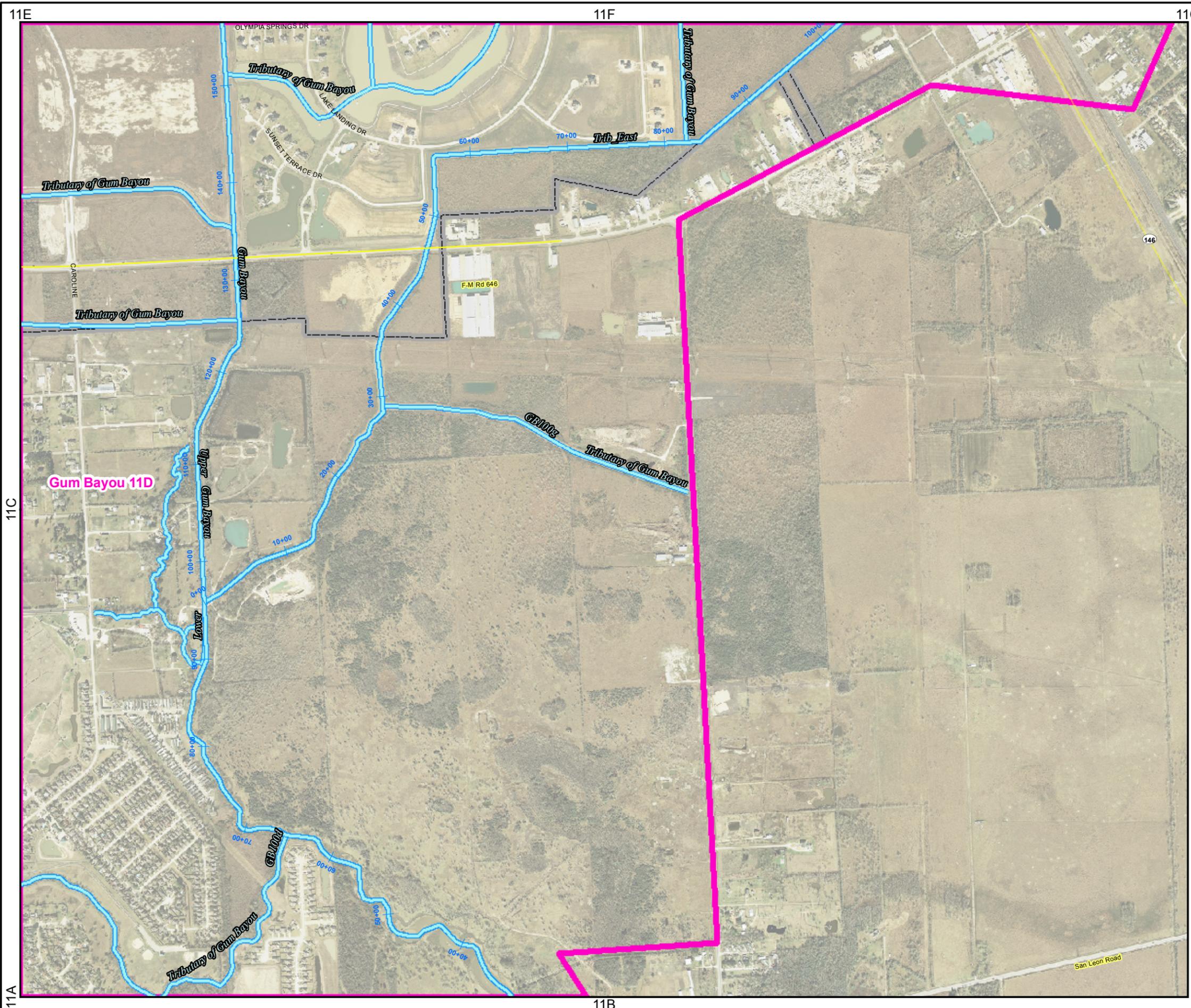


MASTER DRAINAGE PLAN

GUM BAYOU DRAINAGE BASIN INDEX # 11C

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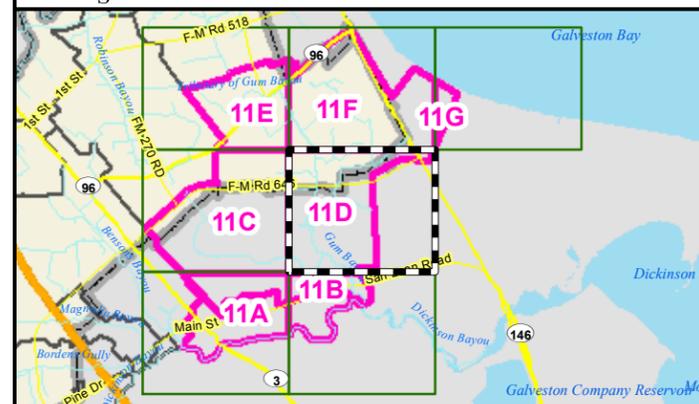
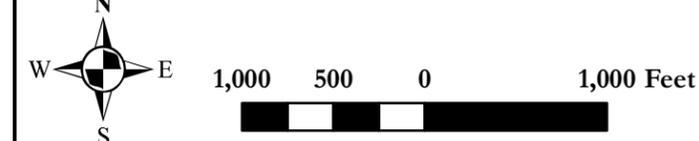
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Legend

	Other Subwatersheds		Floodway
	Gum Bayou, Dickinson Creek Ov No. 1		1% Chance Floodplain
	Channel		Zone A
	Canal		0.2% Chance Floodplain
	Identifier Layer		
	League City		

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.

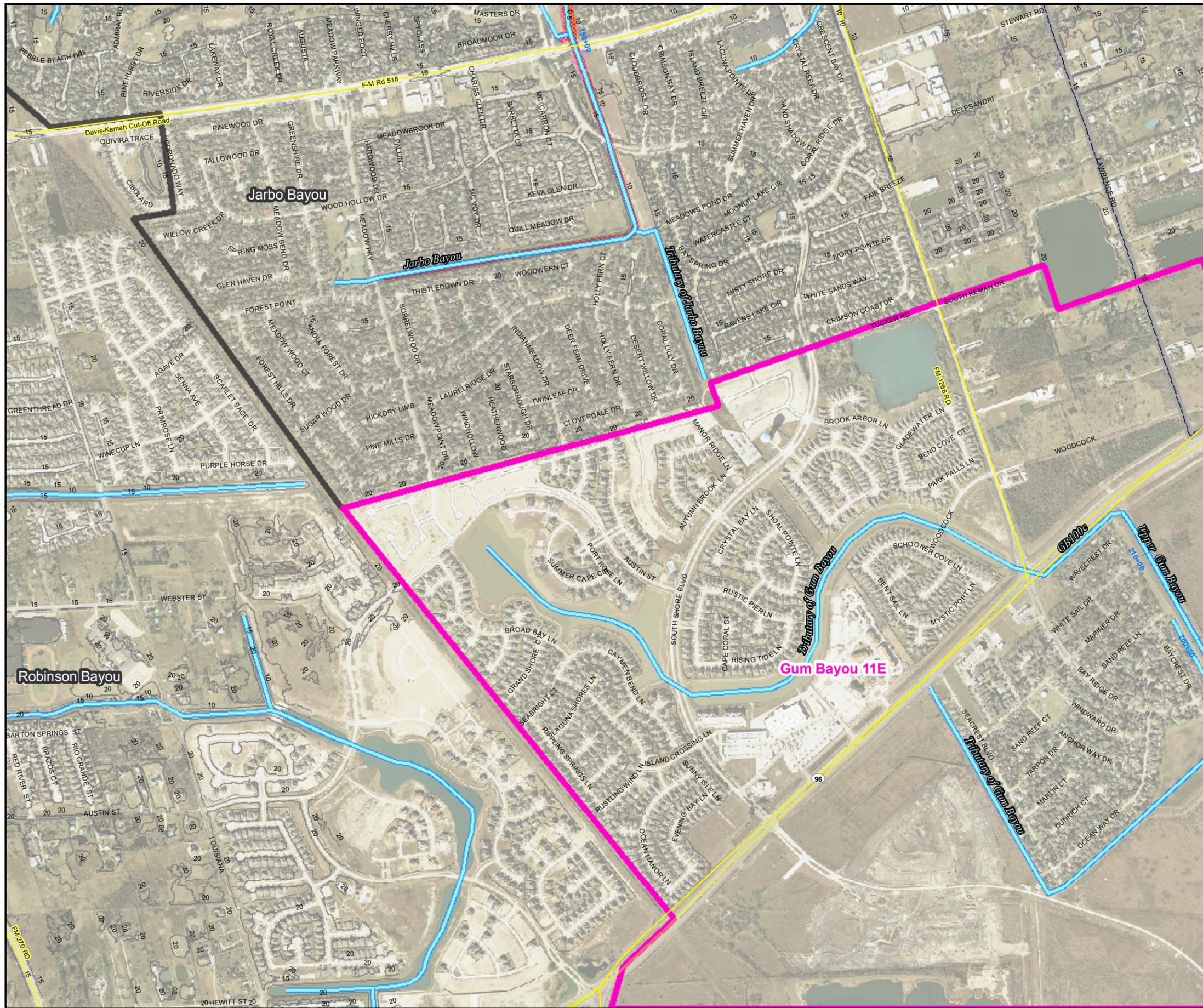


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GUM BAYOU DRAINAGE BASIN INDEX # 11D

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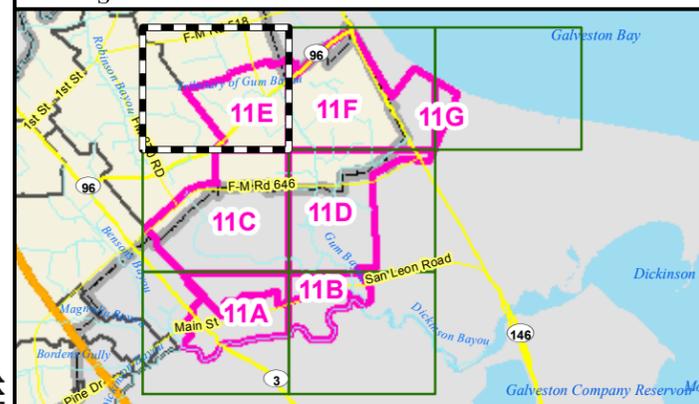
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Legend

- Other Subwatersheds
- Gum Bayou, Dickinson Creek Ov No. 1
- Channel
- Canal
- Identifier Layer
- League City
- Floodway
- 1% Chance Floodplain
- Zone A
- 0.2% Chance Floodplain

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.



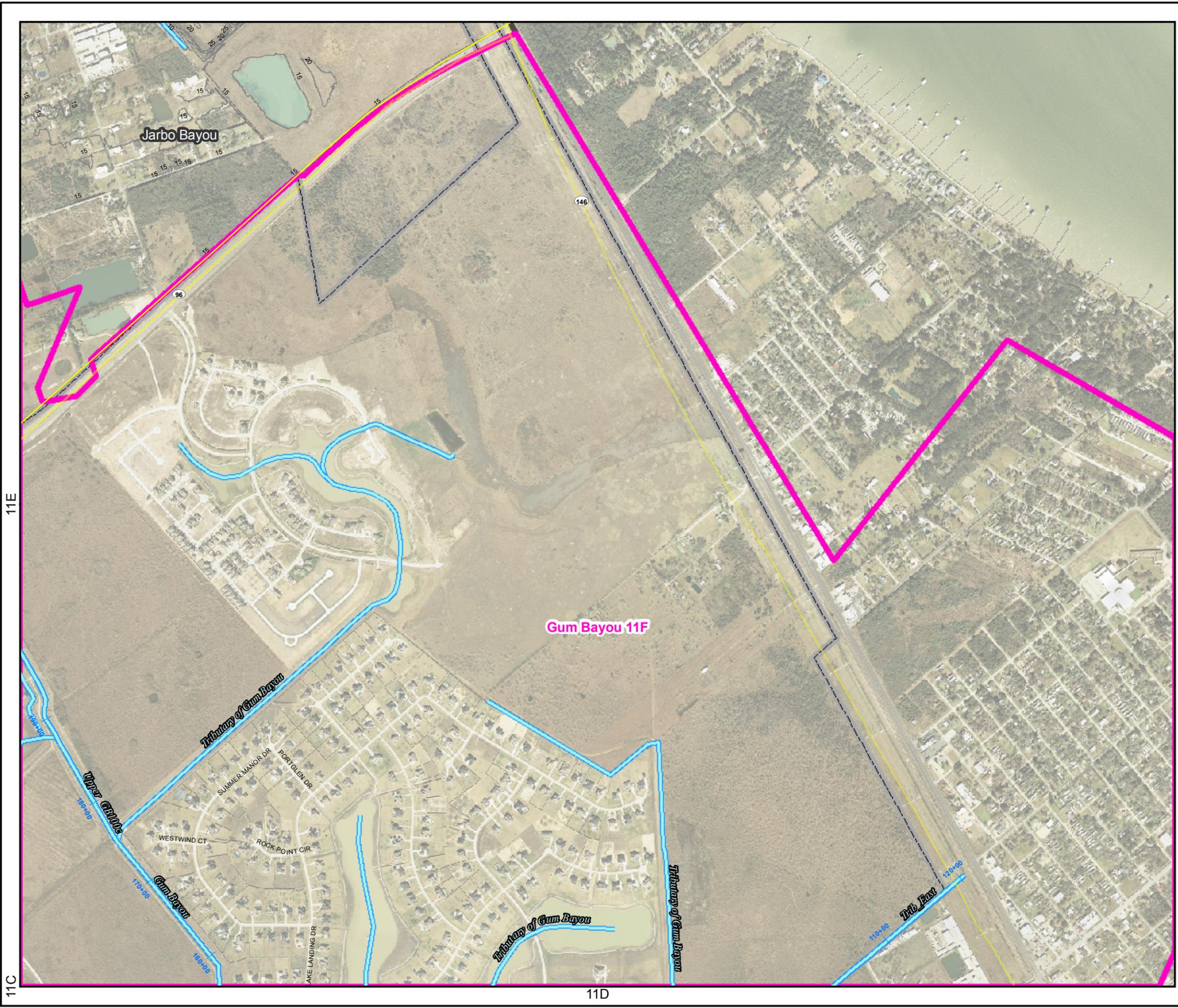
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GUM BAYOU DRAINAGE BASIN INDEX # 11E

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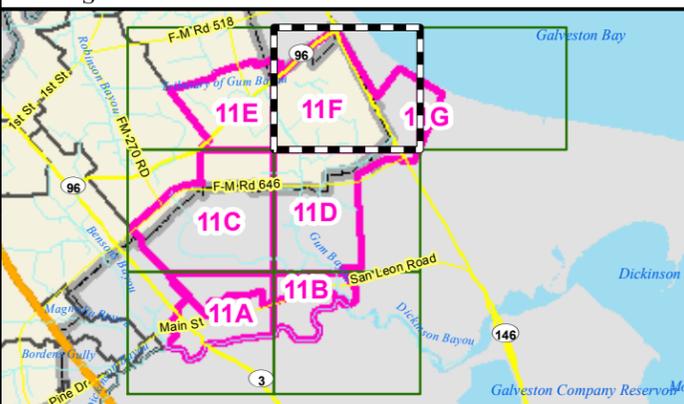
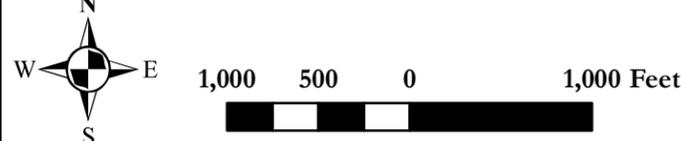
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Legend

Other Subwatersheds	Floodway
Gum Bayou, Dickinson Creek Ov No. 1	1% Chance Floodplain
Channel	Zone A
Canal	0.2% Chance Floodplain
Identifier Layer	
League City	

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.



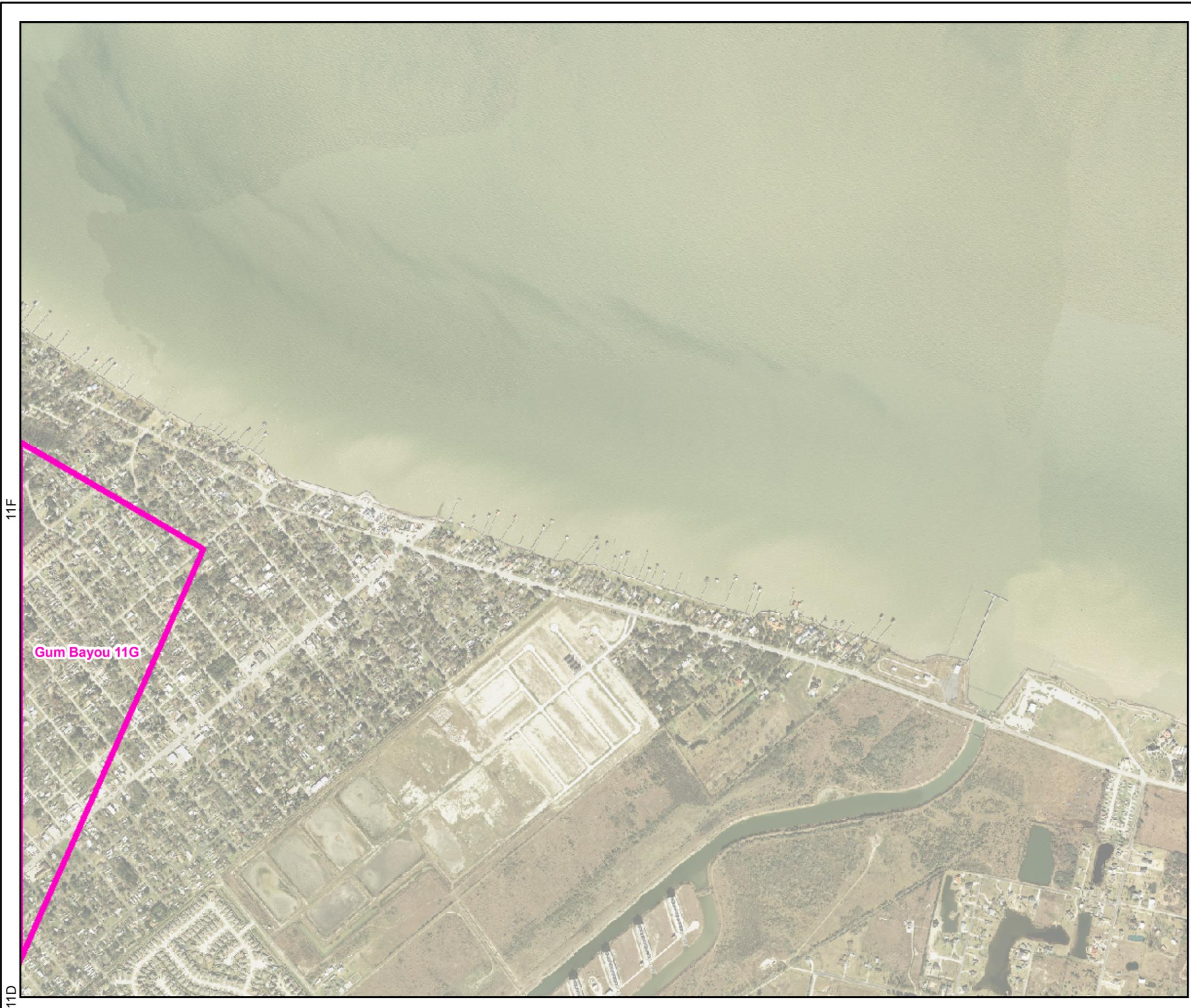
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MASTER DRAINAGE PLAN

GUM BAYOU DRAINAGE BASIN
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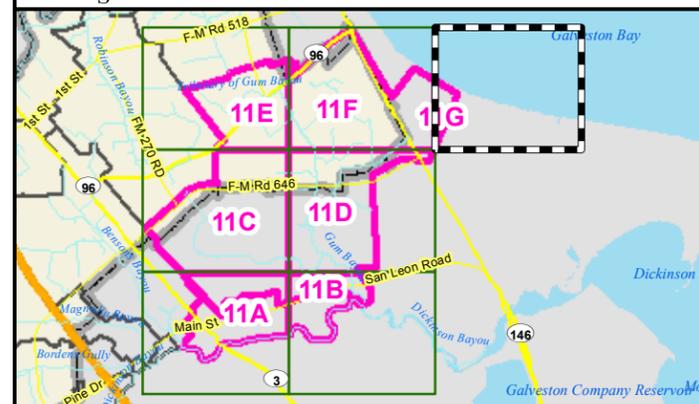
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Legend

Other Subwatersheds	Floodway
Gum Bayou, Dickinson Creek Ov No. 1	1% Chance Floodplain
Channel	Zone A
Canal	0.2% Chance Floodplain
Identifier Layer	
League City	

Source
 Aerial imagery provided by H-GAC, dated 2008. Contours provided by H-GAC, created from 2008 LiDAR and TNRIS DEMs of 2006 LiDAR. Floodplain data provided by Dannenbaum, 2010.



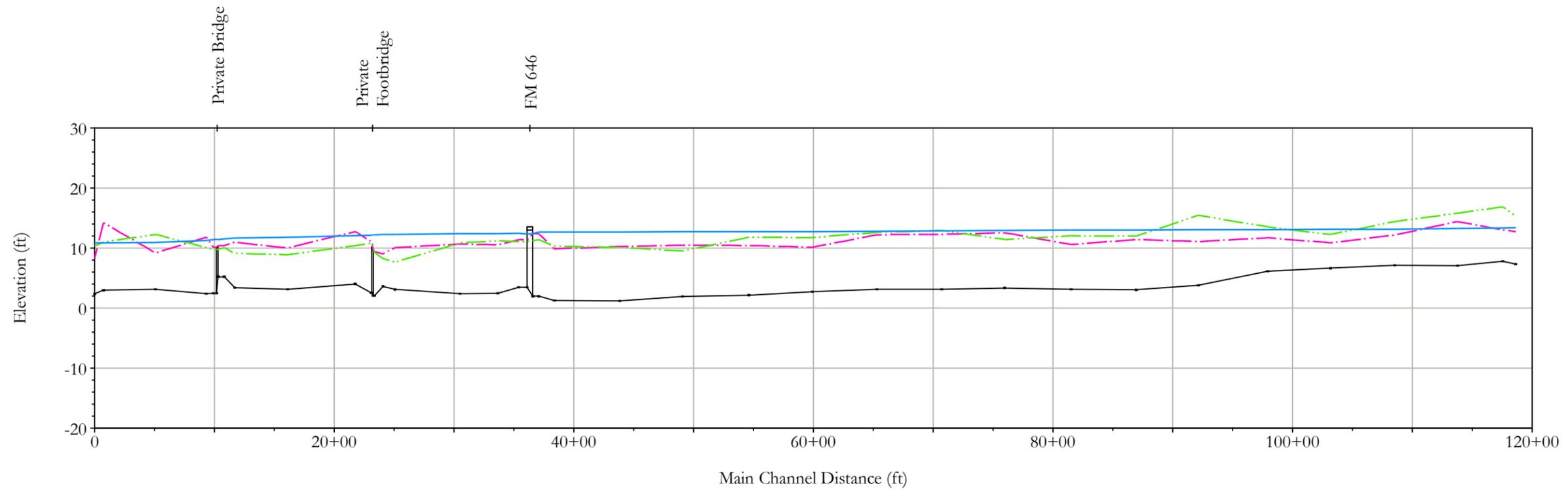
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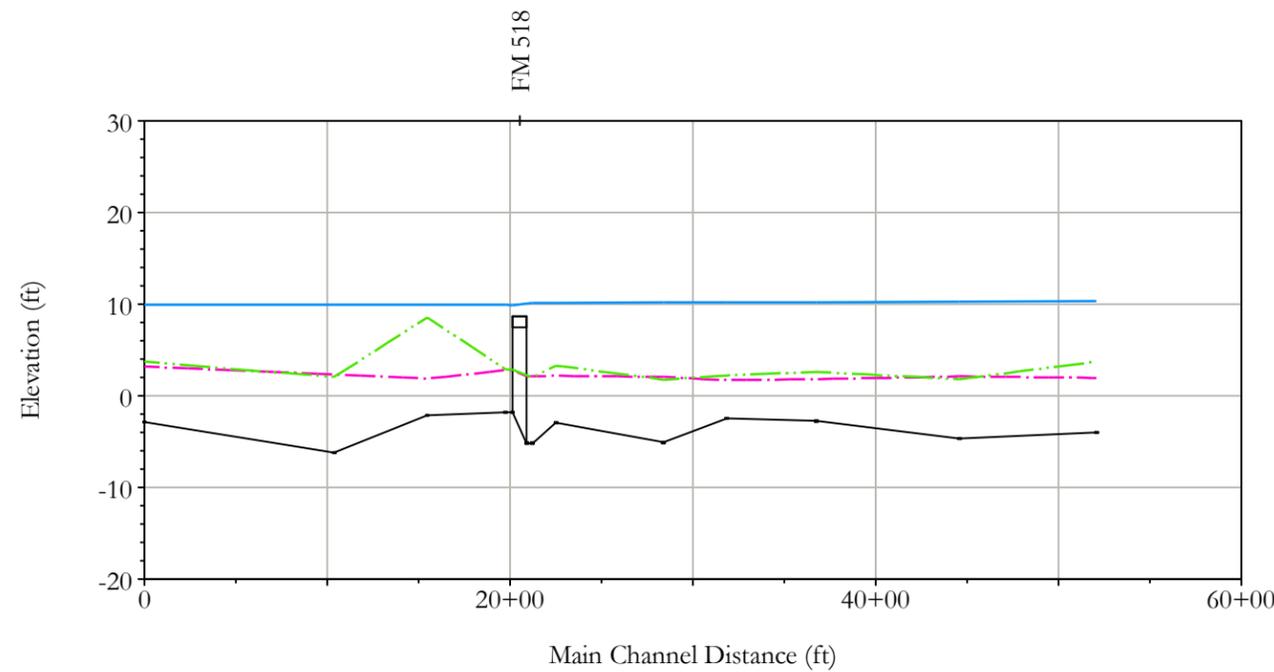
GUM BAYOU DRAINAGE BASIN
INDEX # 11G

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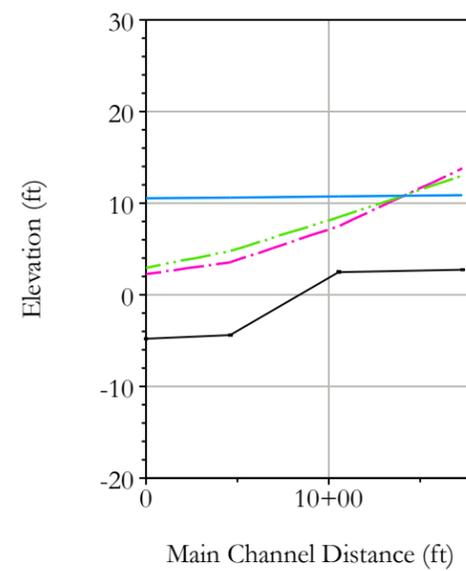
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Gum Bayou Reach GB100c



Gum Bayou Reach GB100a



Gum Bayou Reach GB100b

Legend

- - - Left Overbank
- · - · - Right Overbank
- 1% Chance Flood WSEL

Source

Preliminary FIRM data provided by Dannenbaum, 2010.

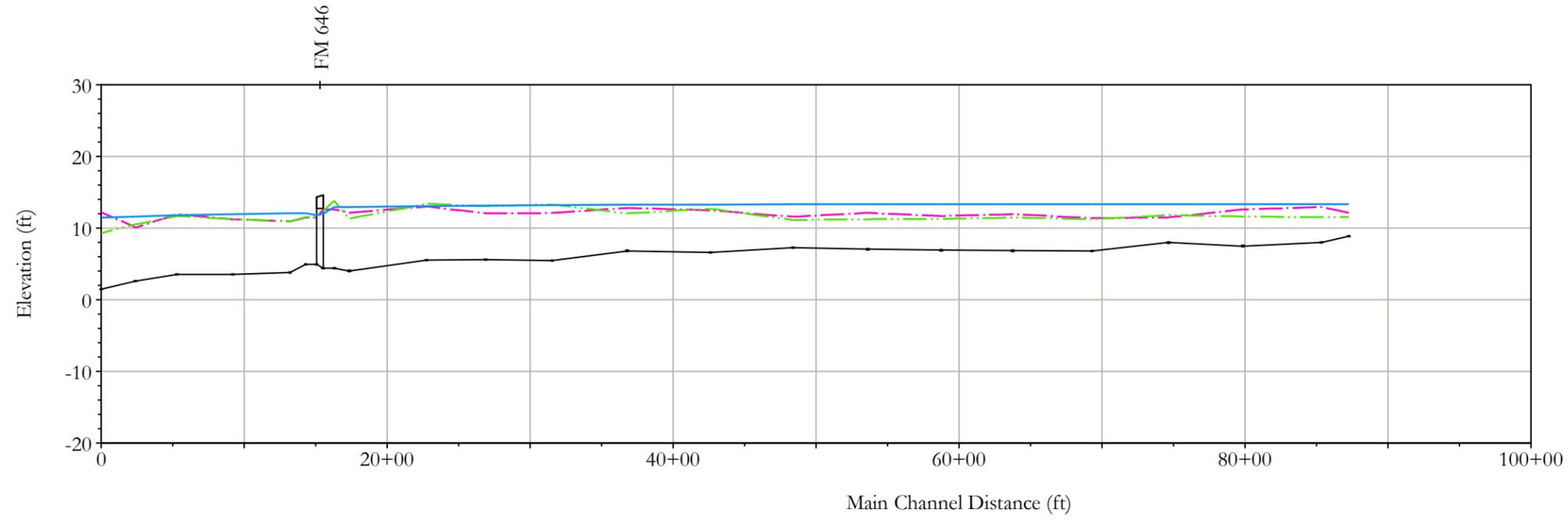


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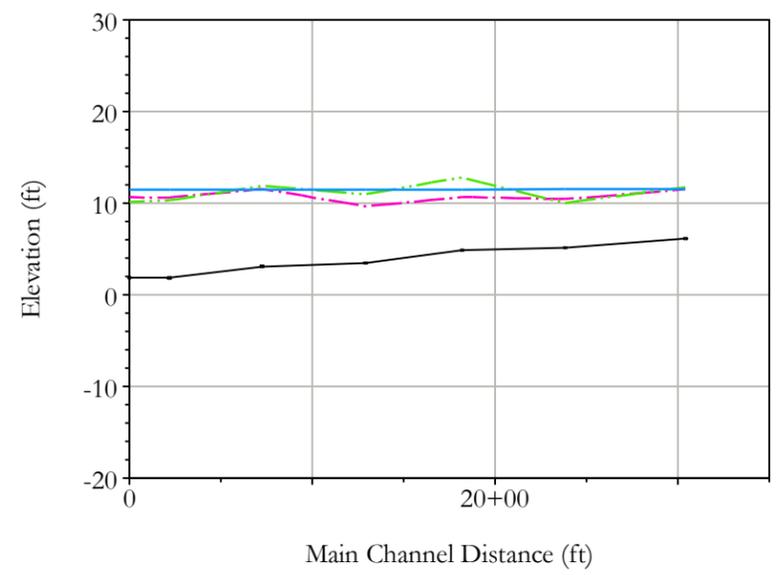
**CHANNEL PROFILES
GUM BAYOU
DRAINAGE BASIN**

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Gum Bayou Reach GB100f



Gum Bayou Reach GB100g

Legend

- - - Left Overbank
- . - . Right Overbank
- 1% Chance Flood WSEL

Source

Preliminary FIRM data provided by Dannenbaum, 2010.



MASTER DRAINAGE PLAN

**CHANNEL PROFILES
GUM BAYOU
DRAINAGE BASIN**

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