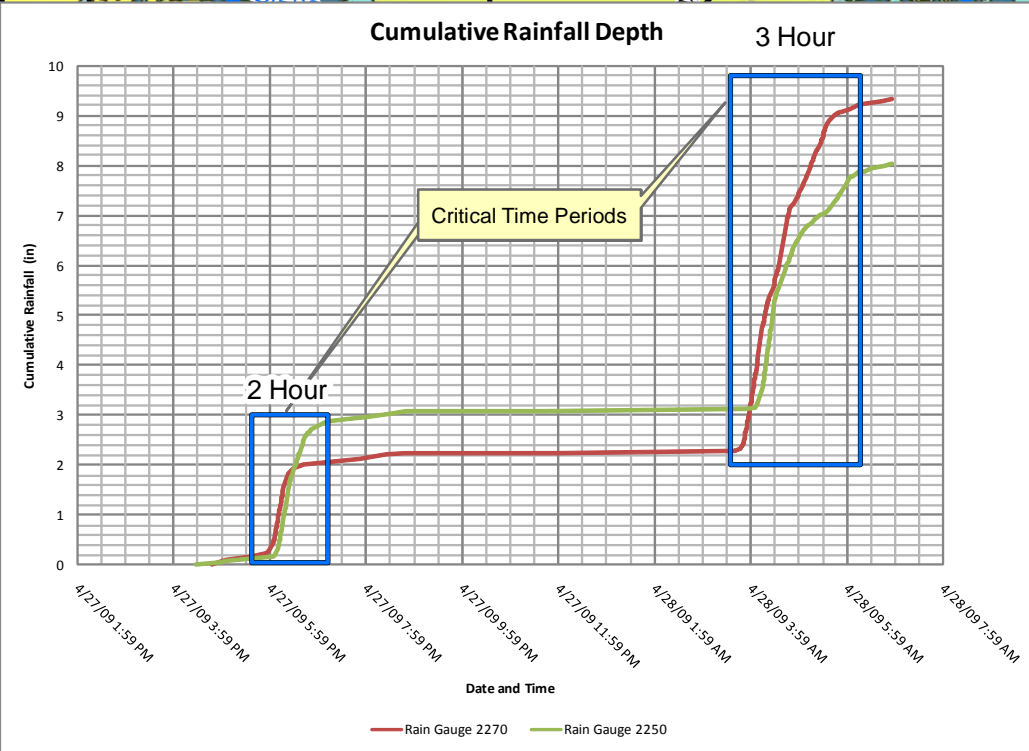


Rainfall Gage ID: 2270

Rainfall Gage ID: 2250

Rainfall Maximums (in) : Rain Gage 2270					
	1-hour	3-hour	6-hour	12-hour	24-hour
April 27-28, 2009	4.8	7.0	7.1	8.9	9.4
Hurricane Ike 9/12/2008 - 9/14/2008	2.8	4.1	5.7	6.3	6.4
TS Alison 6/4/2001 - 6/10/2001	1.0	1.7	2.7	3.7	3.8

Rainfall Maximums (in) : Rain Gage 2250					
	1-hour	3-hour	6-hour	12-hour	24-hour
April 27-28, 2009	3.6	5.0	5.0	7.7	8.1
Hurricane Ike 9/12/2008 - 9/14/2008	3.0	6.2	7.1	8.3	8.8
TS Alison 6/4/2001 - 6/10/2001	N/A				



**Legend**

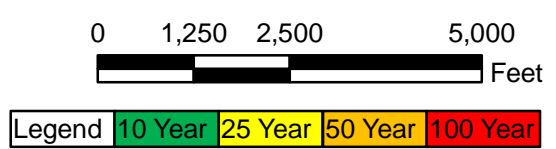
- TIRZ 17 Boundary
- Rainfall Gages
- HCFCD Channels
- 500 Year Floodplain
- 100 Year Floodplain

**Rainfall Intensity**

- 0.5
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

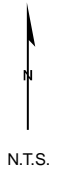
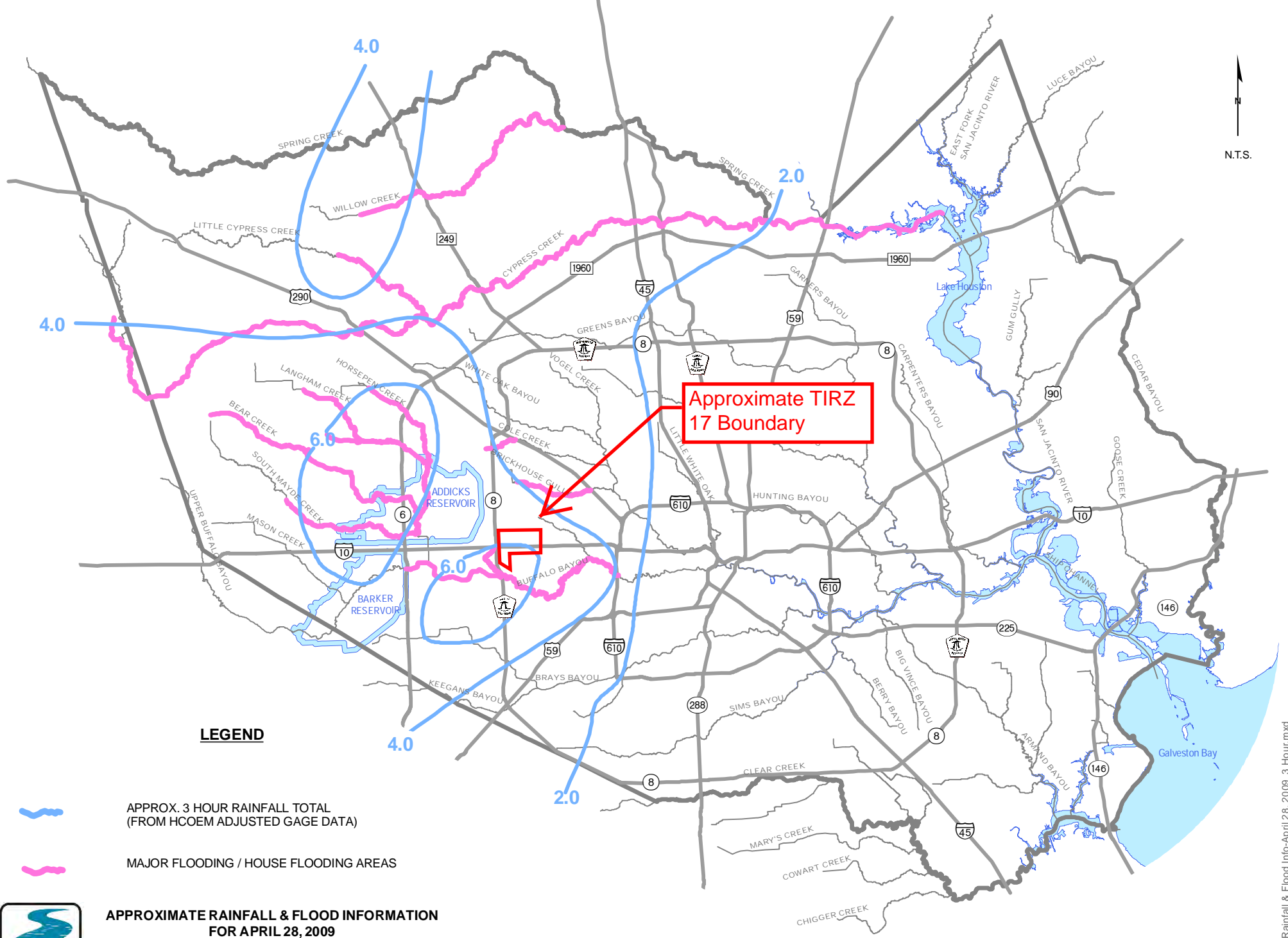


**Rainfall Totals**  
**April 27 - 28, 2009**  
 Updated Rainfall Totals from HCFCD - Report Dated 5-14-2009





Legend 10 Year 25 Year 50 Year 100 Year

# 3 Hour Rainfall Totals



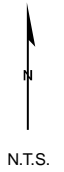
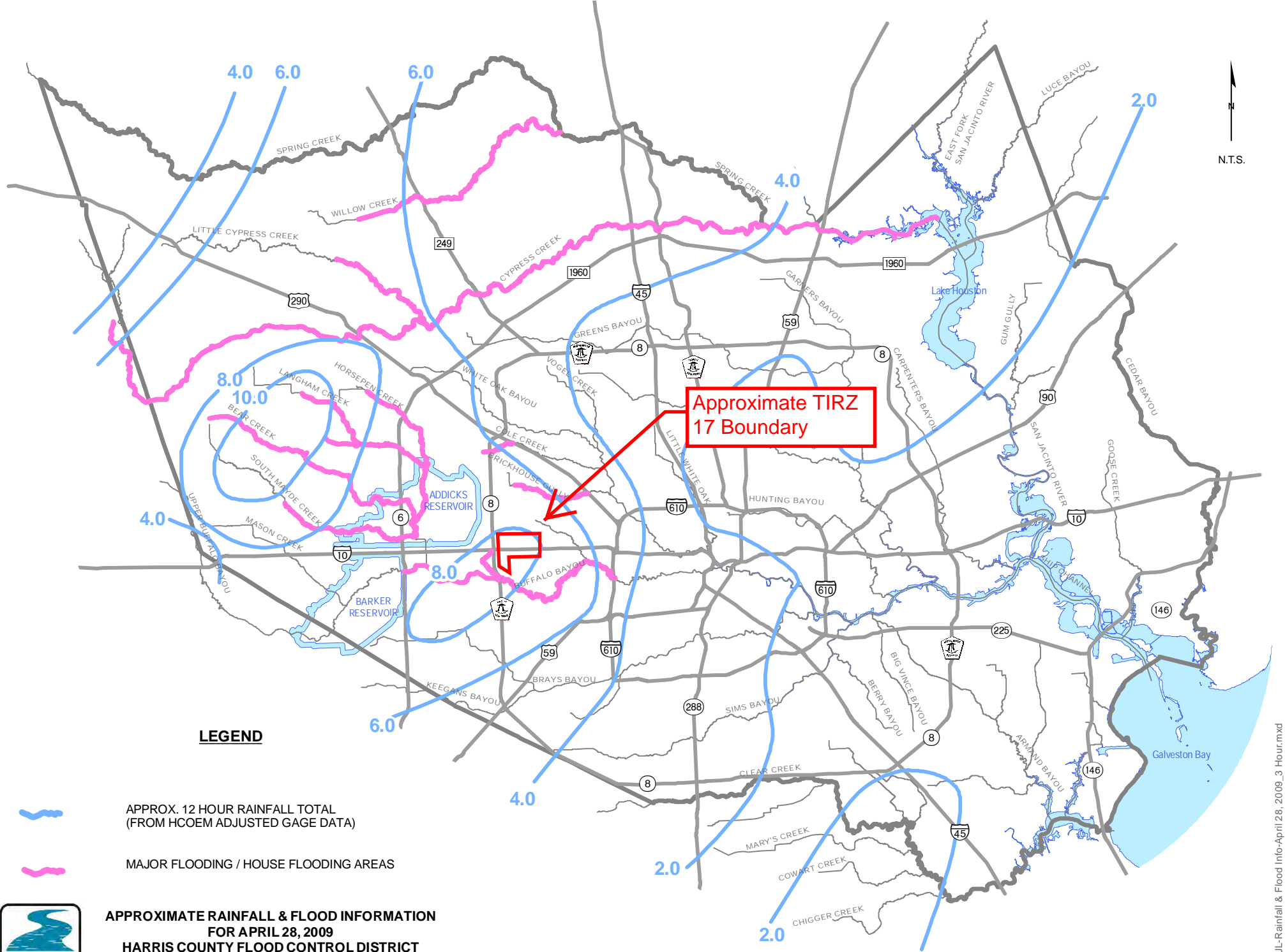
## LEGEND

-  APPROX. 3 HOUR RAINFALL TOTAL (FROM HCOEM ADJUSTED GAGE DATA)
-  MAJOR FLOODING / HOUSE FLOODING AREAS





**APPROXIMATE RAINFALL & FLOOD INFORMATION  
FOR APRIL 28, 2009  
HARRIS COUNTY FLOOD CONTROL DISTRICT  
APRIL 30, 2009**

# 12 Hour Rainfall Totals



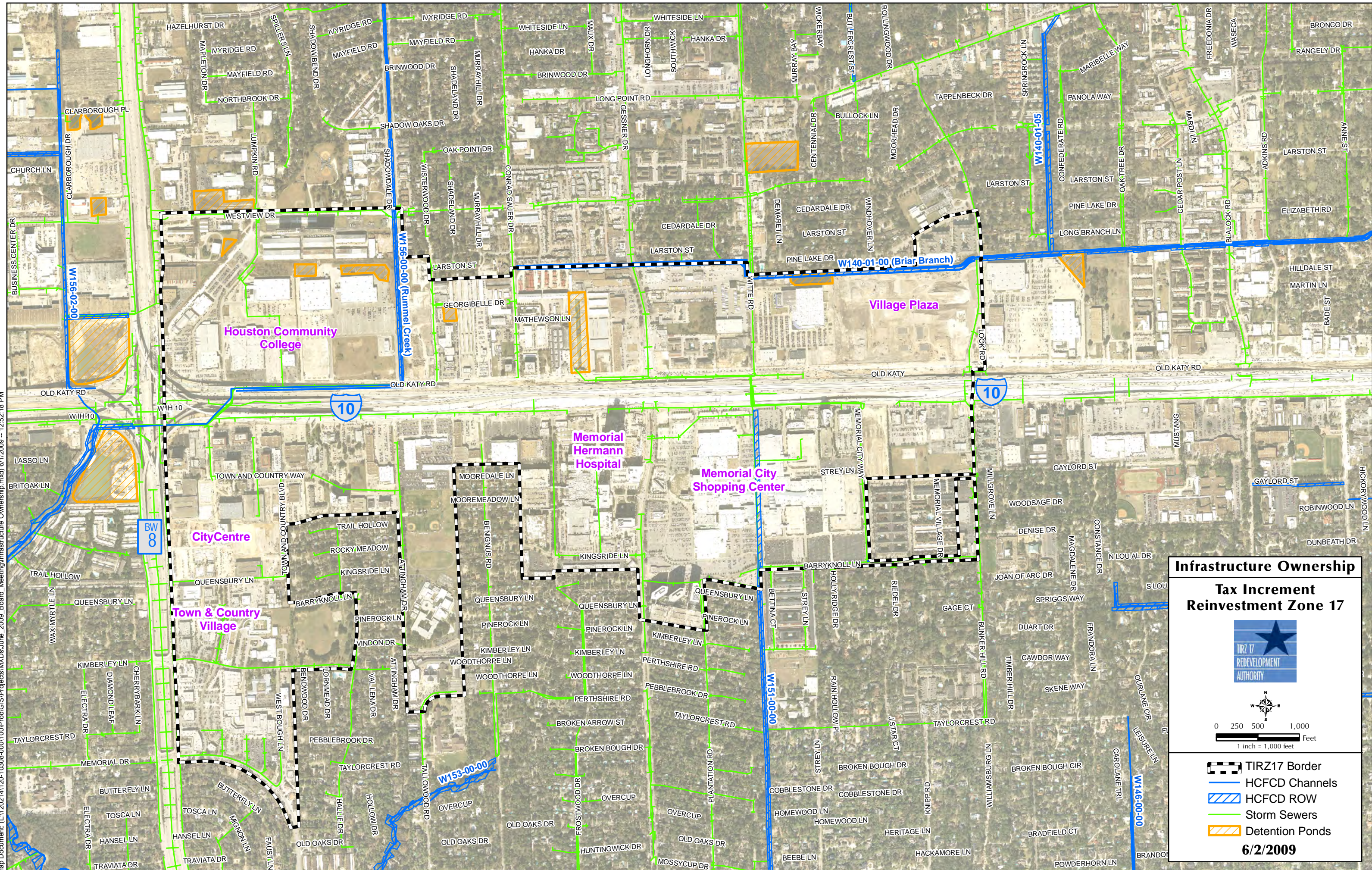
## LEGEND

-  APPROX. 12 HOUR RAINFALL TOTAL (FROM HCOEM ADJUSTED GAGE DATA)
-  MAJOR FLOODING / HOUSE FLOODING AREAS




**APPROXIMATE RAINFALL & FLOOD INFORMATION  
FOR APRIL 28, 2009  
HARRIS COUNTY FLOOD CONTROL DISTRICT  
APRIL 30, 2009**

Map Document: L:\1202\14120-10308-000\100\ProdGIS\Projects\MXD\June\_2009\_Board\_Meeting\Infrastructure\_Ownership.mxd 6/1/2009 - 12:52:18 PM








**Infrastructure Ownership**

**Tax Increment Reinvestment Zone 17**



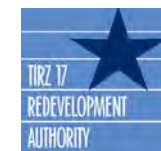
0 250 500 1,000  
Feet  
1 inch = 1,000 feet

-  TIRZ17 Border
-  HCFCD Channels
-  HCFCD ROW
-  Storm Sewers
-  Detention Ponds

**6/2/2009**

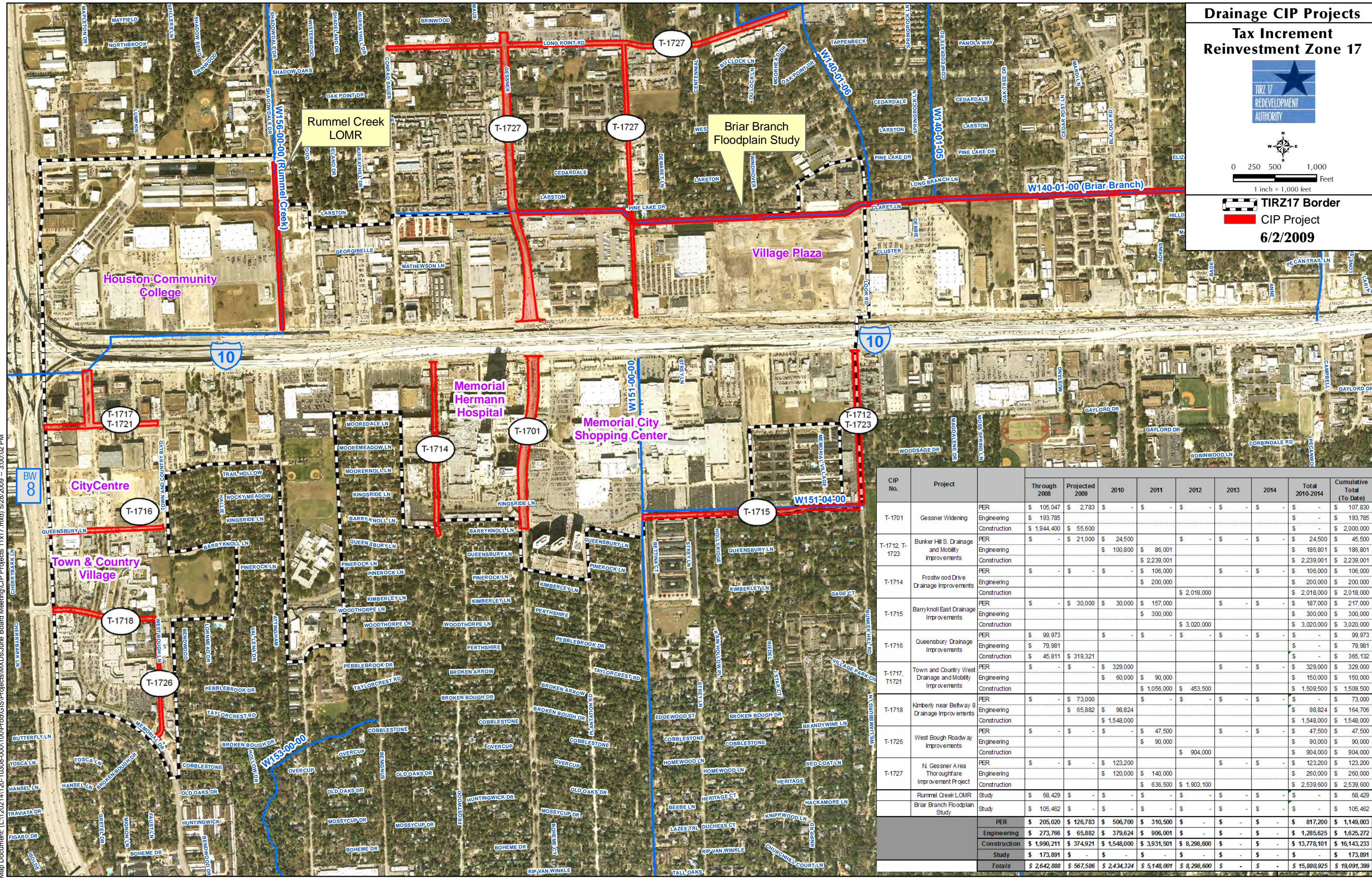
**Drainage CIP Projects**

**Tax Increment  
Reinvestment Zone 17**



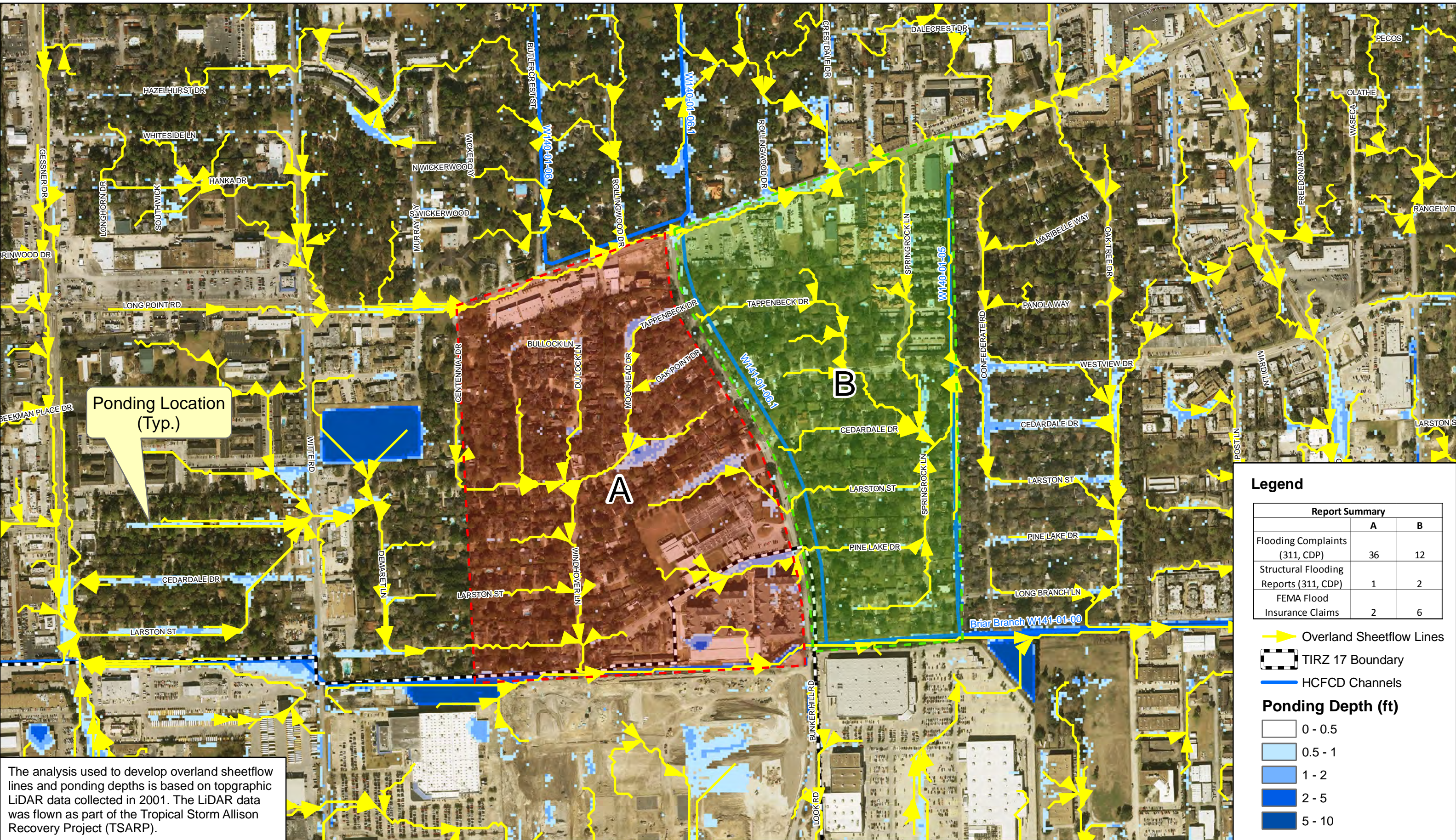
0 250 500 1,000  
1 inch = 1,000 feet

**TIRZ17 Border**  
**CIP Project**  
**6/2/2009**



CIP No.	Project		Through	Projected	2010	2011	2012	2013	2014	Total	Cumulative
			2008	2009						2010-2014	(To Date)
T-1701	Gessner Widening	PER	\$ 105,047	\$ 2,783	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 107,830
		Engineering	\$ 193,785							\$ -	\$ 193,785
		Construction	\$ 1,944,400	\$ 55,600						\$ -	\$ 2,000,000
T-1712, T-1723	Bunker Hill S. Drainage and Mobility Improvements	PER	\$ -	\$ 21,000	\$ 24,500		\$ -	\$ -	\$ -	\$ 24,500	\$ 45,500
		Engineering			\$ 100,800	\$ 88,001				\$ 188,801	\$ 188,801
		Construction			\$ 2,239,001					\$ 2,239,001	\$ 2,239,001
T-1714	Frostwood Drive Drainage Improvements	PER	\$ -	\$ -	\$ -	\$ 108,000		\$ -	\$ -	\$ 108,000	\$ 108,000
		Engineering				\$ 200,000				\$ 200,000	\$ 200,000
		Construction				\$ 2,018,000				\$ 2,018,000	\$ 2,018,000
T-1715	Barryknoll East Drainage Improvements	PER	\$ -	\$ 30,000	\$ 30,000	\$ 157,000		\$ -	\$ -	\$ 187,000	\$ 217,000
		Engineering				\$ 300,000				\$ 300,000	\$ 300,000
		Construction				\$ 3,020,000				\$ 3,020,000	\$ 3,020,000
T-1716	Queensbury Drainage Improvements	PER	\$ 99,973		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 99,973
		Engineering	\$ 79,981							\$ -	\$ 79,981
		Construction	\$ 45,811	\$ 319,321						\$ -	\$ 365,132
T-1717, T1721	Town and Country West Drainage and Mobility Improvements	PER	\$ -	\$ -	\$ 329,000		\$ -	\$ -	\$ -	\$ 329,000	\$ 329,000
		Engineering			\$ 60,000	\$ 90,000				\$ 150,000	\$ 150,000
		Construction				\$ 1,056,000	\$ 453,500			\$ 1,509,500	\$ 1,509,500
T-1718	Kimberly near Beltway 8 Drainage Improvements	PER	\$ -	\$ 73,000		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 73,000
		Engineering		\$ 65,882	\$ 98,824					\$ 98,824	\$ 164,706
		Construction			\$ 1,548,000					\$ 1,548,000	\$ 1,548,000
T-1726	West Bough Roadway Improvements	PER	\$ -	\$ -	\$ -	\$ 47,500		\$ -	\$ -	\$ 47,500	\$ 47,500
		Engineering				\$ 90,000				\$ 90,000	\$ 90,000
		Construction				\$ 904,000				\$ 904,000	\$ 904,000
T-1727	N Gessner Area Thoroughfare Improvement Project	PER	\$ -	\$ -	\$ 123,200		\$ -	\$ -	\$ -	\$ 123,200	\$ 123,200
		Engineering			\$ 120,000	\$ 140,000				\$ 260,000	\$ 260,000
		Construction				\$ 636,500	\$ 1,903,100			\$ 2,539,600	\$ 2,539,600
	Rummel Creek LOMR	Study	\$ 68,429	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 68,429
	Briar Branch Floodplain Study	Study	\$ 105,462	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105,462
		PER	\$ 205,020	\$ 126,783	\$ 506,700	\$ 310,500	\$ -	\$ -	\$ -	\$ 812,203	\$ 1,148,003
		Engineering	\$ 273,766	\$ 65,882	\$ 379,624	\$ 906,001	\$ -	\$ -	\$ -	\$ 1,285,625	\$ 1,625,272
		Construction	\$ 1,990,211	\$ 374,921	\$ 1,548,000	\$ 3,931,501	\$ 8,298,600	\$ -	\$ -	\$ 13,778,101	\$ 16,143,233
		Study	\$ 173,891	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 173,891
	<b>Totals</b>		<b>\$ 2,642,888</b>	<b>\$ 567,586</b>	<b>\$ 2,434,324</b>	<b>\$ 5,148,001</b>	<b>\$ 8,298,600</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,880,925</b>	<b>\$ 19,091,399</b>

Map Document: (L:\120214\120-10308-000\100\Prod\GIS\Projects\MXD\June 2009 Board Meeting\Briar Branch Expanded Extents.mxd) 6/3/2009 -- 11:30:21 AM



Ponding Location (Typ.)

**Legend**

Report Summary		
	A	B
Flooding Complaints (311, CDP)	36	12
Structural Flooding Reports (311, CDP)	1	2
FEMA Flood Insurance Claims	2	6

- Overland Sheetflow Lines
- TIRZ 17 Boundary
- HCFC Channels

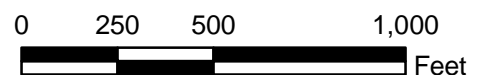
**Ponding Depth (ft)**

- 0 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 5
- 5 - 10

The analysis used to develop overland sheetflow lines and ponding depths is based on topographic LiDAR data collected in 2001. The LiDAR data was flown as part of the Tropical Storm Allison Recovery Project (TSARP).



City of Houston  
 Flooding Reports  
 Pre Bunker Hill Reconstruction



Prepared for  
 Board Meeting on  
 6/2/2009  
 Updated on  
 6/3/2009

# Springrock Overland Sheetflow Contributing Drainage Area - City of Houston

