CHATHAM STORM DRAINAGE IMPROVEMENTS

Existing Conditions Floodplain Map

POTENTIAL STRUCTURAL FLOODING									
Location	Hydrologic Scenario	Water Surface Elevation					Elevation	Elevation Description
		2 Yr. Storm	10 Yr. Storm	25 Yr. Storm	50 yr. Storm	100 Yr. Storm		
CRAMER POND DOWNSTREAM								
2612 Country Club Lane (XS 1633)	Ex. (Att.)	692.48	694.16	694.58	694.76	694.90	**706.67 695.17 694.60 694.40**	**FFE BFFE HVAC LAG**
	Ex.	692.49	694.18	694.76	694.95	694.98		
	Fu.	693.17	694.86	695.02	695.18	695.36		
2301 Mecklenburg Avenue (XS 1336)	Ex. (Att.)	688.74	690.74	691.79	692.51	692.95	**702.58 698.00 692.94 692.70**	**FFE HVAC BFFE LAG**
	Ex.	688.76	690.79	692.55	693.74	694.32		
	Fu.	689.47	692.81	694.26	694.64	694.92		
MIDWOOD PARK								
2225 Winter Street (XS 3953)	Ex. (Att.)	703.98	705.46	705.55	705.70	705.75	**708.87 707.41 707.1 704.90**	**FFE VENT HVAC LAG**
	Ex.	703.98	705.49	705.57	705.67	705.76		
	Fu.	705.28	705.56	705.69	705.81	705.89		
MIDWOOD PARK DOWNSTREAM								
2222 Winter Street (XS 3795)	Ex. (Att.)	696.95	698.33	699.45	699.61	699.74	**701.28 697.30 695.24 694.71**	**FFE HVAC BFFE LAG**
	Ex.	696.95	698.33	699.45	699.61	699.74		
	Fu.	697.19	699.39	699.63	699.66	699.79		
2141 Chatham Avenue (XS 3457)	Ex. (Att.)	691.26	693.06	694.65	695.02	695.26	**699.31 696.75 695.30 694.80 694.50**	**FFE VENT CS HVAC LAG**
	Ex.	691.26	693.06	694.65	695.02	695.29		
	Fu.	691.57	694.17	695.06	695.42	695.60		
2215 Chathm Avenue (XS 3457)	Ex. (Att.)	691.26	693.06	694.65	695.02	695.26	**703.96 699.2 695.5**	**FFE DECK LAG**
	Ex.	691.26	693.06	694.65	695.02	695.29		
	Fu.	691.57	694.17	695.06	695.42	695.60		
2200 Chatham Avenue (XS 3258)	Ex. (Att.)	689.35	691.54	692.17	692.25	692.45	**700.02 692.71 690.89**	**FFE GAR LAG**
	Ex.	689.35	691.54	692.17	692.25	692.45		
	Fu.	689.59	692.01	692.28	692.52	692.74		
2136 Chatham Avenue (XS 3258)	Ex. (Att.)	689.35	691.54	692.17	692.25	692.45	**699.30 691.10 690.46 689.90 688.40**	**FFE HVAC BFFE LAG SHED**
	Ex.	689.35	691.54	692.17	692.25	692.45		
	Fu.	689.59	692.01	692.28	692.52	692.74		
2132 Chatham Avenue (XS 3164)	Ex. (Att.)	688.77	689.14	689.27	689.70	690.20	**702.09 694.53 694.11 690.20**	**FFE BFFE LAG SHED**
	Ex.	688.77	689.14	689.27	689.78	690.29		
	Fu.	688.88	689.23	689.80	690.43	691.12		

POTENTIAL STRUCTURAL FLOODING									
Location	Hydrologic Scenario	Water Surface Elevation					Elevation	Elevation Description
		2 Yr. Storm	10 Yr. Storm	25 Yr. Storm	50 yr. Storm	100 Yr. Storm		
MIDWOOD PARK DOWNSTREAM (CONT'D)								
2133 Club Road (XS 3074)	Ex. (Att.)	686.73	688.17	688.81	689.48	690.04	**694.61 692.62 692.27 687.20**	**VENT CS LAG DECK**
	Ex.	686.73	688.17	688.83	689.57	690.13		
	Fu.	686.97	688.53	689.59	690.28	691.02		
2124 Club Road (XS 2764)	Ex. (Att.)	682.76	683.80	684.13	684.34	684.56	**695.59 693.50 685.75 685.53**	**FFE VENT BFFE LAG**
	Ex.	682.77	683.81	684.15	684.39	684.62		
	Fu.	682.99	684.02	684.40	684.66	684.90	*Flooding in Future Condition based on floodmap	
2322 Club Road (XS 2667)	Ex. (Att.)	678.53	680.49	681.44	682.10	682.75	**687.05 686.55 680.43 685.70**	**VENT CS SHED LAG**
	Ex.	678.55	680.51	681.51	682.26	682.83		
	Fu.	678.83	681.13	682.22	683.52	684.42		
2303 Club Road (XS 355)	Ex. (Att.)	675.16	676.99	677.87	678.50	679.08	**687.39 684.61 684.83 682.19**	**FFE CS VENT LAG**
	Ex.	675.17	677.05	678.25	679.26	680.22		
	Fu.	675.77	678.11	679.60	681.01	682.52		
2311 Club Road (XS 170)	Ex. (Att.)	673.93	676.85	677.85	678.51	679.10	**686.93 684.31 683.81 682.20**	**FFE VENT CS LAG**
	Ex.	673.97	676.93	678.25	679.28	680.24		
	Fu.	674.79	678.11	679.63	681.03	682.54		
BELVEDERE AVENUE DOWNSTREAM								
1821 Masonic Drive (XS 527)	Ex. (Att.)	652.53	654.68	655.48	655.67	655.63	**659.45 657.83 657.20 656.38 655.90**	**FFE VENT HVAC CS LAG**
	Ex.	652.57	654.67	655.63	655.63	655.38		
	Fu.	653.04	655.35	655.62	655.33	656.66		
1815 Masonic Drive (XS 363)	Ex. (Att.)	651.99	653.66	653.81	653.93	654.03	**House within modeled flood boundary. No detailed survey**	
	Ex.	652.01	653.65	653.85	654.04	654.14		
	Fu.	652.14	653.82	654.03	654.20	654.30		

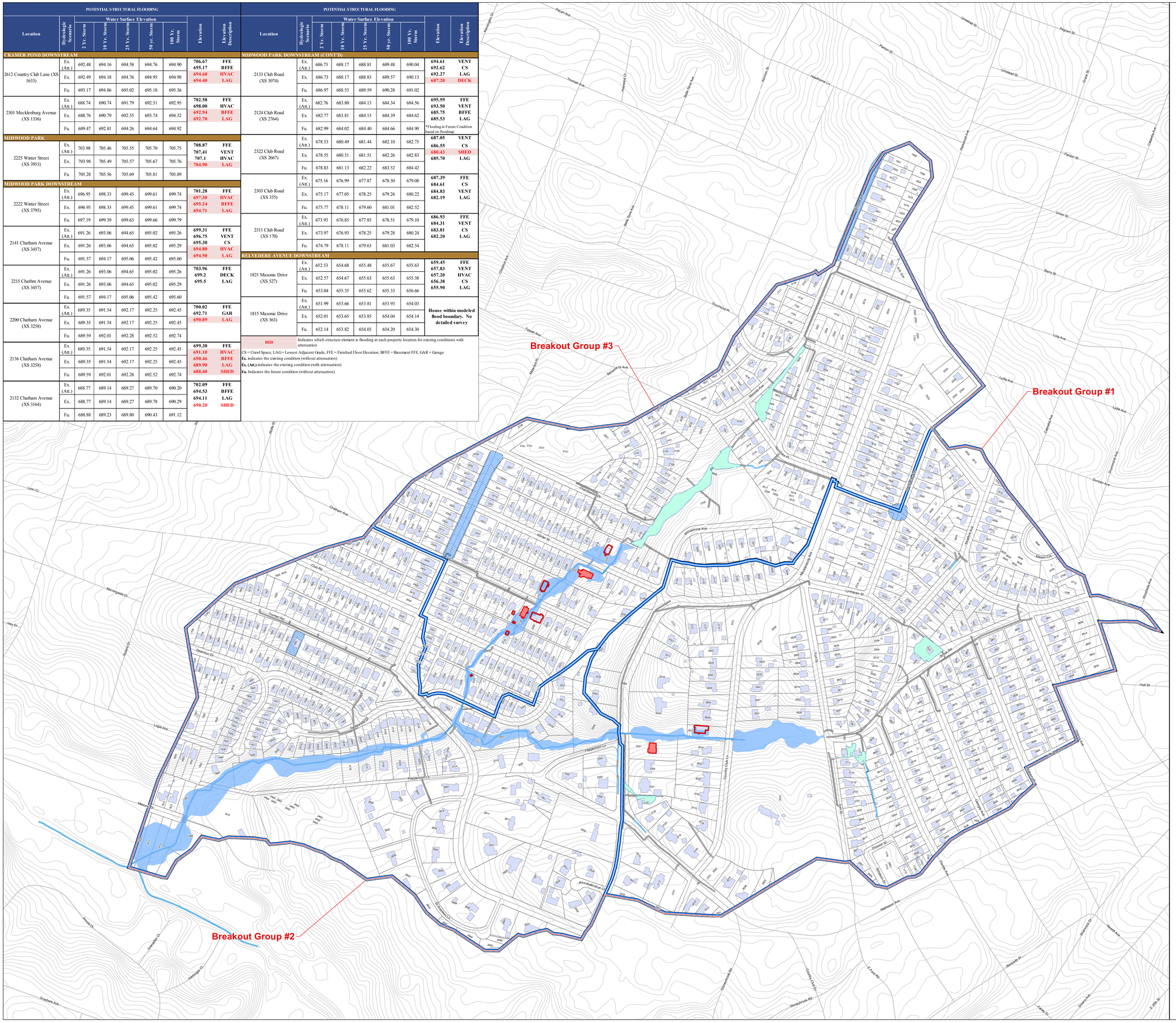
RED Indicates which structure element is flooding at each property location for existing conditions with attenuation

CS = Crawl Space, LAG = Lowest Adjacent Grade, FFE = Finished Floor Elevation, BFFE = Basement FFE, GAR = Garage

Ex. indicates the existing condition (without attenuation)

Ex. (Att.) indicates the existing condition (with attenuation)

Fu. Indicates the future condition (without attenuation)



Legend

- Project Area
- Sub-Area Boundary
- Streams
- Pipes/Culverts
- Parcels
- Buildings
- 100-Year Floodplain for Existing Conditions With Attenuation
- Additional Flooding Areas Reported in Questionnaire Not Represented by Insufficient Drainage Systems
- 100-Year Overland Flooding for Future Conditions

Flooding Summary

- Potential Crawl Space, LAG, Accessory Structure, or HVAC Flooding in Existing Conditions with Attenuation Based on HEC-RAS Modeling
- Potential House (FFE) Flooding in Existing Condition with Attenuation Based on HEC-RAS Modeling

200 0 200 400 600

Feet

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Date: July 29, 2014