Service Area	1.0331 Acres	
Max WSEL	25.44 ft	
FL at Outfall	16.95 ft	
Assumed Rest. Size	6 inches	
Watershed	Armand Bayou	

0.19635

3 Year Flow

Runoff Coefficient (C)	0.9	
Time of Concentration (TC)	25.06 minutes	
b	77.27	
d	17.1	
е	0.8075	
Rainfall Intensity (I)	3.77 in/hour	
Flow (Q)	3.50 cfs	

10 Year Flow

Runoff Coefficient (C)	0.9	
Time of Concentration (TC)	25.06 minutes	
b	93.53	
d	18.9	
е	0.7742	
Rainfall Intensity (I)	5.00 in/hour	
Flow (Q)	4.65 cfs	

100 Year Flow

Runoff Coefficient (C)	0.9	
Time of Concentration (TC) 25.06 m		
b	125.4	
d	21.8	
е	0.75	
Rainfall Intensity (I)	7.00 in/hour	
Flow (Q)	6.51 cfs	

Restrictor (Pipe)

Pipe Diameter (6" min)	8 inches		
Actual Outflow	6.27 cfs		

Detention Volume

Detention Rate	0.55 AF/Ac
Detention Volume (100 yr)	0.57 AF

10-year Pipe Head

Total Rainfall (10 yr)	7.8 in
Total Rainfall (100 yr)	13.5 in
Detention Rate (10 year)	0.32 AF/Ac
Detention Volume (10 yr)	0.33 AF
10 year WSEL	25.44 ft
Actual Outflow	6.27 cfs

C = 0.90; for Developed Property
$TC = (10^{*}((A)^{0.1761}))+15$; from COH design guide
COH standard
COH standard
COH standard
$I = b / ((d+TC)^{e})$; from COH design guide
Q = C*I*A; rational equation

C = 0.90; for Developed Property
$TC = (10^{*}((A)^{0.1761}))+15$; from COH design guide
COH standard
COH standard
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COH standard
COH standard
COH standard
$I = b / ((d+TC)^{e})$; from COH design guide
Q = C*I*A; rational equation

D=(Q^.5)/(2.25*(H^.25))
Q=C*A*((2*g*H)^2); where C=0.8 for pipe restrictor

Specified by H	ICPID			
=	916.70 CY	=	24,751	CF

for Particular Watershed (see Watersheds Tab) for Particular Watershed (see Watersheds Tab) DR=(10 yr/100 yr)*(0.65 AF/Ac)= 533.36 CY = 14,401 CF from Detention Pond Volume sheet $Q=C^*A^*((2^*g^*H)^2)$; where C=0.8 for pipe restrictor