

ENGINEERS REPORT FOR APPROVAL OF BACKFLOW PREVENTION DEVICES

ERIE COUNTY WATER AUTHORITY 3030 UNION ROAD CHEEKTOWAGA, NY 14227-1097 (716) 684-1510 (Phone (716) 684-3937 (Fax)

Α.	Facility/Project	
	Name:	
	Mailing Address:	
	Town/Village/City:	
В.	Customer/Owner	
	Contact Person	
	Company	
	Mailing Address	
	Phone Number	
	Email	
C.	Engineer/Architect	
	Contact Person	
	Company	
	Mailing Address	
	Phone	
	Email	

D.	Facility/Project Type (Check all that apply)	
	Apartments	Funeral Home
	Retail Stores(s)	Public School
	Professional/Office	Private School
	Restaurant	Church
	Laundromat/Dry Cleaner	Automotive Sales/Service
	Hotel/Model	Patio Homes
	Car Wash	Condominiums
	Medical/Dental	Nursery
	Hospital	Veterinarian
	Warehouse/describe:	
	Manufacturing/describe:	
	Industrial/describe:	
	Agricultural/describe:	
	Other/describe:	
Е.	Number of Buildings	Number of Floors
	Square Footage per Floor	Basement Yes No
	First Floor Elevation	
F. <u>List all Uses of Public Water</u>		

<u> </u>		
<u>Domestic Service</u>		_ Check if
Service Connection		
Size		i
Existing or Proposed		
Maximum Demand		9
Backflow Preventer		
Describe Location		
Device Type Size	RP	<u>Z</u> i
Make and model		1
Included in USC FCCCHR Approved Devices List *	Yes	No
Upstream Pressure		p
Downstream Pressure		r
	-	
Private Fire Protection Service		Check if no
Service Connection		
Size		in
T ' ' D 1		
Existing or Proposed		gr
Maximum Demand		
<u> </u>		

Device Type (RPDA, RPZ, DCDA, DCVA) Size			inch
Make and Model	Vac	NI -	
Included in USC FCCCHR Approved Devices List *	Yes	No	ngi
Upstream Pressure Downstream Pressure			psi psi
Downstream Fressure			psi
Combination Service		Check if	none
Service Connection		_	
Size			inch
Existing or Proposed			
Maximum Demand			gpm
Backflow Preventer			
Describe Location			
Device Type	RI	PΖ	
Size			inch
Make and Model			
Included in USC FCCCHR Approved Devices List *	Yes	No	
Upstream Pressure			psi
Downstream Pressure			psi
			Γ
List of Approved Backflow Prevention Assemblies University Foundation For Cross Connection Control and Hydraulic Rese		rn Califor	nia
Will the facility/project receive water supply from an auxiliary water source such as a well, cistern, spring,			
or other municipal water supply?	Yes	No	
Does the facility/project require dual backflow preventers to	3 7	N	
allow for a continuous water supply?	Yes	No	
Is the facility located within the 100 year flood plan?	Voc	No	
is the facility located within the 100 year flood plan?	Yes	No	

N.	Will the area where the backflow preventer is located be adequately heated to prevent freezing?	Yes _	No
).	Will the area where the backflow preventer is located be adequately lighted to allow for maintenance and testing?	Yes _	No
٠.	RPZs and RPDAs		Check if none
	Where does the discharge for the relief port drain to? (Check all that apply)		
	Sanitary Sewer Floor		
	Storm Sewer Outside O	Grade	
	Sump Pump Septic Sy	stem	
	Other/describe		
	Is the drain system adequately sized to accommodate the maximum discharge without flooding the area: Is the relief port provided with a suitable air gap" Is the relief port at least 12 inches above the 100 year flood elevation? (check if not applicable)	Yes Yes	No
	If the relief port drains to a storm sewer, is the connection equipped with a backwater valve? (check if not applicable)	Yes _	
	If the relief port drains to a sanitary sewer, is the connection equipped with a trap and a backwater valve? (check if not applicable)	Yes _	No
	If the relief port drains to a sump pump, is it provided with emergency power and a water level alarm? (check if not applicable)	Yes _	No
	If the RPZ/RPDA is located in a basement, is there sufficient volume below the relief port? (Yes	No

Private Fire Protection Services		Check if non
Fire Suppression System		
Dry Pipe		
Wet Pipe		
Provision for Chemical Addition		
(fire retardants, corrosion, inhibitors, antifreeze, etc.)	Yes	No
Private fire hydrants	Yes	No
Connections to a secondary water supply?	Yes	No
If the facility within 1,700 feet of an alternative source of water such as a pond, lake, river, or retention pond, are there provisions to "draft" this water for fire fighting purposes?		
(check if not applicable)	Yes	No
Booster Pump System		Check if nor
Domestic Service		
Private Fire Protection Service		
Combination Service		
Include a separate sheet with the Engineers Report describ booster pump systems which addresses net positive suction pressure cutoff switch settings, and operating pressures in distribution system and in the facility internal plumbing. It for Designing Backflow Prevention Assembly Installation Cross Connection Control Manual.	n head for the both, the publ Refer to NYS	booster pumps, ic water DOH "Guidelin
Comments		

T.	<u>Signatures</u>	
	7 (4 14	
	Engineer/Architect Seal and Signature	Date