



PVC PIPE THRUST RESTRAINT								
MIN. LENGTH OF PVC WM. TO BE RESTRAINED (m)								
LENGTH DIA.	100 mm	150 mm	200 mm	250 mm	300 mm			
	(4")	(6")	(8")	(10")	(12")			
Α	7.0	7.0	7.0	14.0	14.0			
В	14.0	14.0	20.0	20.0	25.0			
С	7.0	7.0	7.0	14.0	14.0			
D	7.0	7.0	14.0	14.0	14.0			
Е	7.0	7.0	7.0	7.0	7.0			
F	7.0	14.0	20.0	20.0	25.0			
G	7.0	7.0	7.0	14.0	14.0			
Н	7.0	7.0	7.0	7.0	7.0			

NOTE:

- 'R' DENOTES RESTRAINT DEVICE
- RESTRAINT LENGTHS BASED ON CLAY TYPE SOIL CONDITIONS TYPICALLY FOUND AT A DEPTH OF 1.5M. REFER TO ASTM D2487 FOR COMPLETE DESCRIPTION, IN AREAS WHERE SAND IS PREVALENT OR PIPE IS SITUATED BELOW WATER TABLE, RESTRAINED LENGTHS WILL BE DETERMINED BY THE ENGINEER.
- REDUCER DIMENSION 'H' ASSUMES ONE REDUCTION IN PIPE SIZE. IF REDUCTION IS GREATER THAN ONE PIPE SIZE, RESTRAINED LENGTH WILL BE DETERMINED BY THE ENGINEER.
- RESTRAINT SYSTEMS OVER 300MMØ TO BE DETERMINED BY MANUFACTURER.
- PVC WATERMAIN PIPE WITH STANDARD GRANULAR 'A' EMBEDMENT MATERIAL.
- DESIGN FOR RESTRAINT SYSTEMS WHEN CONNECTING TO EXISTING INFRASTRUCTURE WILL BE AT THE DISCRETION OF THE CITY ENGINEER.
- ALL RESTRAINERS TO HAVE PETROLATUM AND PETROLEUM COATED SYSTEM.

REV.#	DESCRIPTION	DATE	AP.BY

CITY OF SARNIA

PVC PIPE THRUST RESTRAINTS

APPROVED BY: RW	BK.	
DRAWN BY: OD	SCALE: N.T.S.	DWG.No.
CHK' BY: BL	DATE: MAR'14	2500