



PIPE SIZES UP TO 10"	
FITTING	RESTRAINED JOINTS
22.5° BEND	1 – EACH SIDE
45° BEND	1 – EACH SIDE
90° BEND	2 – EACH SIDE
TEE	1 – EACH SIDE/RUN 2 – ON BRANCH
REDUCER	2 – EACH SIDE
DEAD-END HYDRANT	4 – PRIOR TO HYD.
STUB-OUTS	3 – FULL JOINTS

NOTES:

1. TABLE ABOVE REPRESENTS MINIMUM NUMBER OF RESTRAINTS BASED UPON FULL LENGTH PIPE SECTIONS ON EACH SIDE FOR PIPE SIZES UP TO 10".
2. FOR PIPE SIZES LARGER THAN 10", THE NUMBER OF REQUIRED RESTRAINTS ON EACH SIDE ARE SPECIFIED ON THE PLANS OR AS DETERMINED BY JMWSC IF UNSPECIFIED.

DATE: 10/1/2024	REVISIONS		STANDARD DETAIL		JOINT MUNICIPAL WATER AND SEWER COMMISSION
SCALE: NTS			TYPICAL JOINT RESTRAINT	FILE NO. WL012	