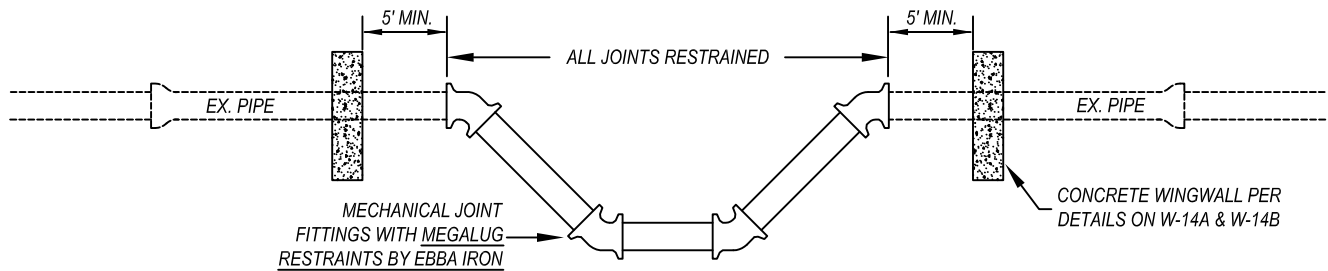


RESTRAINED JOINTS - NEW INSTALLATION



RESTRAINED JOINTS - EXISTING PIPE

NOTES

1. ALL JOINTS WITHIN MINIMUM RESTRAINED LENGTH "L" SHALL BE RESTRAINED. FULL LENGTH PIPE SECTIONS SHALL BE USED. WHEN LENGTH "L" OCCURS WITHIN THE MID SECTION OF A PIPE, THE NEXT JOINT OUT SHALL BE RESTRAINED. SEE W-14B FOR "L" LENGTH SPECIFICATIONS AND ADDITIONAL RESTRAINED JOINT DETAILS.
2. RESTRAINED JOINTS REQUIRE INSPECTION BY THE CITY OF NAPA. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING INSPECTION IN ADVANCE AND LEAVING JOINTS EXPOSED FOR THE CITY INSPECTOR.
3. MINIMUM RESTRAINED LENGTH SHALL BE CLEARLY SHOWN ON THE PROFILE OF ALL WATERLINE PLANS.
4. MINIMUM RESTRAINED LENGTH SHALL BE RE-CALCULATED TO ACCOUNT FOR OTHER FITTINGS (VALVES, TEES, BENDS) WITHIN LENGTH "L", OR IF WATER MAIN DEPTHS ARE SHALLOWER THAN STANDARD INSTALLATION DEPTH (SEE W-13A).
5. RESTRAINED LENGTHS FOR PIPE SIZES LARGER THAN 12" SHALL BE DETERMINED BY THE ENGINEER AND APPROVED BY THE CITY.
6. ALTERNATE MATERIALS MUST BE APPROVED BY THE CITY OF NAPA WATER DIVISION PRIOR TO USE.

CITY OF NAPA

PUBLIC WORKS DEPARTMENT

TITLE <p align="center">WATER MAIN OFFSETS</p>	DRAWN BY: DCF	CHECKED BY: MJH
	DATE: 07/2017	APPROVED BY: MJH
	SCALE: NTS	DRAWING NO.
	FIELD NOTES:	W-15