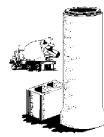


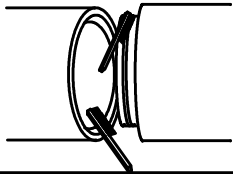
JOINTING PROCEDURES



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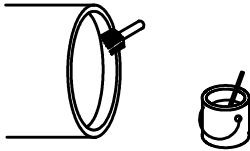
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FOR "O"RING GASKETED PIPE.



CLEAN JOINT SURFACES

CLEAN ALL DIRT, DUST AND FOREIGN MATTER FROM BELL AND SPIGOT SURFACES. TAKE EXTRA CARE TO CLEAN THE SPIGOT GROOVE.



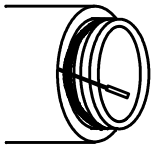
LUBE INSIDE OF BELL

GENEROUSLY RUB LUBRICANT INTO THE FLARED BELL SURFACE OVER THE ENTIRE CIRCUMFERENCE.



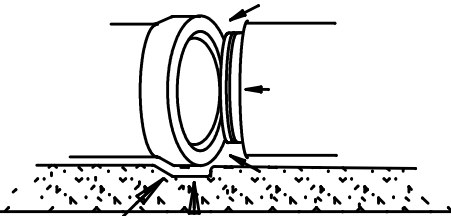
LUBE "O" RING

THOROUGHLY LUGRICATE THE GASKET BEFORE STRETCHING THE GASKET AROUND THE SPIGOT. RUBBER GLOVES ARE RECOMMENDED TO PROTECT HANDS FROM EXPOSURE TO THE LUBRICANT.



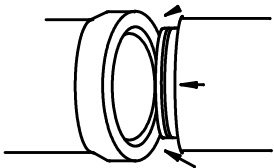
EQUALIZE STRETCH

INSERT A SMOOTH OBJECT, SUCH AS A SCREWDRIVER, UNDER THE GASKET AND RUN IT AROUND THE CIRCUMFERENCE TWO OR THREE TIMES. THIS EQUALIZES THE STRETCH IN THE GASKET AND IS VERY IMPORTANT WITH LARGER PIPE.



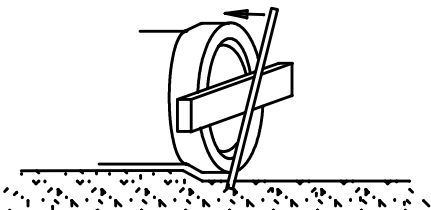
DIG BELL HOLE

A HOLE MUST BE DUG IN THE SUB-BASE TO ACCOMMODATE THE BELL.



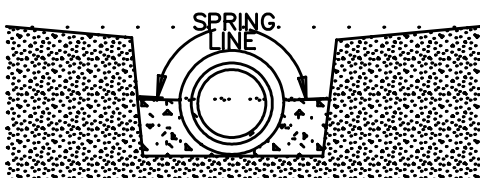
ALIGN CAREFULLY

WHEN COUPLING PIPE, ALIGN SPIGOT OF PIPE WITH BELL OF PIPE PREVIOUSLY LAID. PIPE SHOULD BE ALIGNED SO THAT THE GASKET IS IN CONTACT WITH THE FLARED BELL SURFACE AROUND THE ENTIRE CIRCUMFERENCE.



BAR JOINT HOME

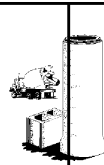
JOINTS ON SMALLER PIPE UP TO 24"(600) DIA. USUALLY CAN BE BARRED HOME. PLACE A BLOCK OF WOOD ACROSS THE INVERT OF THE PIPE TO PROTECT THE BELL. WHEN THE SUBGRADE IS NOT FIRM ENOUGH TO ALLOW BARRING, THE USE OF A COMEALONG MAY BE NECESSARY.



BEDDING AND BACK FILL

GRANULAR MATERIAL SHOULD BE PLACED UP TO THE SPRING LINE OVER THE ENTIRE LENGTH OF THE PIPE.

JOINTING PROCEDURES



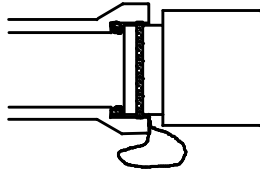
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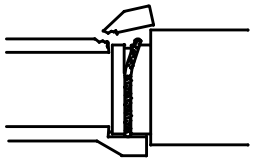
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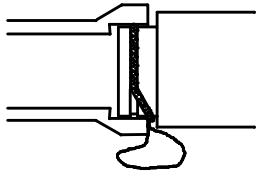
CONTINUED



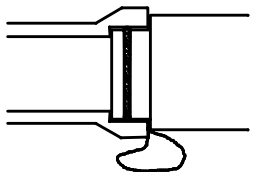
DIRT OR FROZEN MATERIAL ON BELL OR SPIGOT SURFACES CAN PREVENT THE GASKET FROM MAKING A TIGHT SEAL.



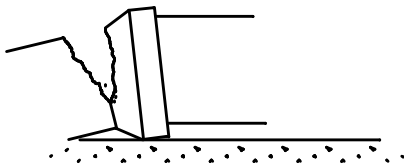
FAILURE TO LUBRICATE BELL CAN CAUSE THE GASKET TO ROLL, SOMETIMES SPLITTING THE BELL.



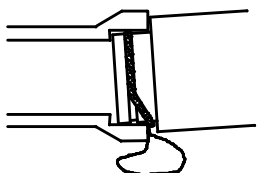
WHEN THE GASKET HAS NOT BEEN THOROUGHLY LUBRICATED, A ROLLING ACTION TAKES PLACE IN THE SPIGOT GROOVE. THIS MAKES THE JOINT SEEM TO SPRING APART EVERY TIME IT IS PUSHED HOME.



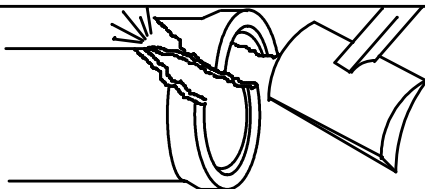
FAILURE TO EQUALIZE THE STRETCH OF THE GASKET CAN BE A CAUSE FOR LEAKS IN THE JOINT OR FOR THE GASKET TO BREAK.



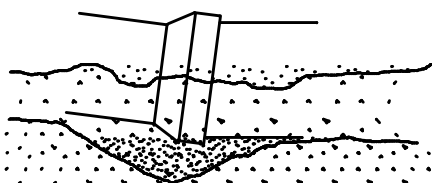
FAILURE TO DIG A BELL HOLE CAN CAUSE BEAM BREAKS OR CRACKS IN THE BARREL OF THE PIPE.



IF BELL AND SPIGOT ARE NOT LEVEL OR CAREFULLY ALIGNED, THE GASKET WILL FISH MOUTH, CAUSING A LEAK OR SPLITTING THE BELL.



USE OF A MACHINE TO PUSH THE PIPE HOME OR TO PUSH PIPE DOWN TO GRADE CAN PUT EXCESSIVE PRESSURE ON PIPE CAUSING IT TO BREAK OR CRACK.



IMPROPER BEDDING CAN CAUSE THE PIPE TO BE FORCED OUT OF ALIGNMENT WHEN BACK FILLED.

RC-6a