



**MATERIAL LIST**

QTY	DESCRIPTION	STOCK NO.	QTY	DESCRIPTION	STOCK NO.
1	MAIN SIZE PVC PIPE				
2	MAIN SIZE DI PIPE				
3 2	MAIN SIZE X MJ SOLID SLEEVE				
4 1	MAIN SIZE X MJ PLUG				
5 1	MAIN SIZE X MJ RETAINER GLAND				

**GENERAL NOTES**

- 1 UNCASSED BOREHOLE DIAMETER SHALL NOT BE MORE THAN 2" LARGER THAN PIPE GLAND DIAMETER.
- 2 WHEN PUSHING DUCTILE IRON PIPE THROUGH BOREHOLE INSTALL MJ PLUG ON MJ SOLID SLEEVE TO KEEP FOREIGN OBJECTS FROM ENTERING PIPE.
- 3 OPTIONAL (MAY NOT BE REQUIRED)

**CONSTRUCTION STANDARD  
CITY UTILITIES  
OF SPRINGFIELD, MISSOURI**

**INSTALLATION OF  
DUCTILE IRON WATER  
MAIN IN UNCASSED  
BOREHOLE**