



STATE HIGHWAYS—PLASTIC PIPING UNDER STATE HIGHWAYS SHALL BE CASED UNLESS INSTALLED AT A MINIMUM DEPTH OF 72".

COUNTY ROADS—PLASTIC PIPING LARGER THAN 2" SHALL BE CASED ON ROADS GREATER IN WIDTH THAN 2-LANES.

CITY STREETS—IN GENERAL MULTI-LANE STREETS WITH HIGH TRAFFIC VOLUMES SHOULD BE CASED, CONSULT ENGINEERING.

MATERIAL LIST

QTY	DESCRIPTION	STOCK NO.	QTY	DESCRIPTION	STOCK NO.																																																					
2	LINK SEAL ASSEMBLY	SEE CHART	<table border="1"> <thead> <tr> <th colspan="4">LINK SEAL DATA</th> </tr> <tr> <th>CARRIER PIPE SIZE</th> <th>CASING SIZE</th> <th>REQUIRED LINKS</th> <th>MODEL NUMBER</th> </tr> </thead> <tbody> <tr> <td>2"</td> <td>4"</td> <td>4</td> <td>LS-300-C</td> <td>202700</td> </tr> <tr> <td>4"</td> <td>8"</td> <td>7</td> <td>LS-475-C</td> <td>202720</td> </tr> <tr> <td>6"</td> <td>10"</td> <td>10</td> <td>LS-475-C</td> <td>202720</td> </tr> <tr> <td>8"</td> <td>12"</td> <td>12</td> <td>LS-475-C</td> <td>202720</td> </tr> <tr> <td>10"</td> <td>14"</td> <td>10</td> <td>LS-425-C</td> <td>202715</td> </tr> <tr> <td>12"</td> <td>16"</td> <td>12</td> <td>LS-425-C</td> <td>202715</td> </tr> <tr> <td>14"</td> <td>18"</td> <td>13</td> <td>LS-400-C</td> <td>202705</td> </tr> <tr> <td>16"</td> <td>20"</td> <td>15</td> <td>LS-400-C</td> <td>202705</td> </tr> <tr> <td>18"</td> <td>22"</td> <td>17</td> <td>LS-400-C</td> <td>202705</td> </tr> </tbody> </table>			LINK SEAL DATA				CARRIER PIPE SIZE	CASING SIZE	REQUIRED LINKS	MODEL NUMBER	2"	4"	4	LS-300-C	202700	4"	8"	7	LS-475-C	202720	6"	10"	10	LS-475-C	202720	8"	12"	12	LS-475-C	202720	10"	14"	10	LS-425-C	202715	12"	16"	12	LS-425-C	202715	14"	18"	13	LS-400-C	202705	16"	20"	15	LS-400-C	202705	18"	22"	17	LS-400-C	202705
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1	BARE STEEL CASING PIPE, AS SPECIFIED BY ENGINEER																																																									
1	CARRIER PIPE																																																									
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	2" X 4" PLASTIC	202260																																																								
	2" X 6" PLASTIC	202265																																																								
	4" X 8" PLASTIC	202267																																																								
	6" X 10" PLASTIC	202277																																																								
	8" X 12" PLASTIC	202285																																																								
2	2" STEEL PIPE (VENT RISER)	201010																																																								
2	2" WELD-O-LET	205824																																																								
6	2" 90° WELD-ELL	205050																																																								
1	2" BLACK COUPLING (PLACE COUPLING AS CLOSE TO GROUND LEVEL AS POSSIBLE)	206150																																																								

GENERAL NOTES

- 1 PAINT VENT PIPE WITH ORANGE ENAMEL (STOCK# 211378)
- 2 CASING IS TYPICALLY TWO PIPE SIZES LARGER THAN CARRIER
- 3 CONSULT CONSTRUCTION DRAWING FOR NUMBER AND TYPE OF LINK SEALS.
- 4 MAXIMUM SPACING OF INSULATORS IS EIGHT FEET O.C.
- 5 ON LOW END OF CASING, TAP FOR VENT ON BOTTOM OF CASING PRIOR TO INSERTING CARRIER PIPE.
- 6 ON HIGH END OF CASING, TAP FOR VENT ON TOP OF CASING PRIOR TO INSERTING CARRIER PIPE.
- 7 INSERT SCREEN WIRE IN OPEN END OF VENT PIPE.
- 8 FIRST AND LAST INSULATORS TO BE 5' FROM END SEAL.
- 9 BACKFILL WHERE PIPE LEAVES CASING SHALL BE THOROUGHLY COMPACTED IN 3" LIFTS OR SANDBAGS PLACED UNDER THE PIPING TO ELIMINATE STRESS CONCENTRATIONS.
- 10 INSTALL CASING VENTS AT RAILROAD CROSSINGS, STATE HIGHWAYS AND WHERE THEY ARE REQUIRED BY PERMITTING AUTHORITY.

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

**INSTALLATION OF
GAS MAIN THROUGH
CASING**