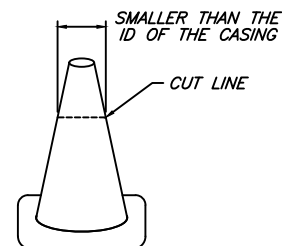


STATE HIGHWAYS—PLASTIC PIPING UNDER STATE HIGHWAYS SHALL BE CASED UNLESS INSTALLED AT A MINIMUM DEPTH OF 72".

CITY AND COUNTY STREETS—IN GENERAL, 3 LANES OR LARGER STREETS SHOULD BE CASED, CONSULT ENGINEERING.



OPTION: RUBBER ROAD CONE FOR ENTRY PROTECTION

MATERIAL LIST

QTY	DESCRIPTION	STOCK NO.	QTY	DESCRIPTION	STOCK NO.
1	AS REQ CASING PIPE, AS SPECIFIED BY ENG.	—			
2	RUBBER ROAD CONE (OPTIONAL)				
	18"	213059			
	28"	213060			
3	FROTH PACK	211087			
4	SAND BAG	203244			

GENERAL NOTES

- FROTH PACK BOTH ENDS AFTER INSERTION TO ASSIST WITH SHEAR PROTECTION.
- CASING IS TYPICALLY TWO PIPE SIZES LARGER THAN CARRIER
- BACKFILL WHERE PIPE LEAVES CASING SHALL BE THOROUGHLY COMPACTED IN 6" LIFTS OR SANDBAGS PLACED UNDER THE PIPING TO ELIMINATE STRESS CONCENTRATIONS.
- WHEN PULLING POLYETHYLENE PIPE, DO NOT EXCEED THE ALLOWABLE TENSILE LOAD VALUES FOR SAFE PULLBACK IN ACCORDANCE WITH ASTM F1804. UTILIZE A WEAK LINK TO PREVENT OVER-STRESSING THE PIPE DURING PULLBACK. A MECHANICAL BREAK-AWAY CONNECTOR OR A 1' SECTION OF SMALLER SDR OR DIAMETER PLASTIC PIPE PLACED BETWEEN THE PULL HEAD AND LEADING EDGE OF THE PIPE ARE ACCEPTABLE WEAK LINKS.

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

**INSTALLATION OF
PLASTIC GAS MAIN
THROUGH CASING**

LATEST REV. DATE 04/10/2019 STANDARD NO. GS-130 PAGE: