

**TABLE 4.6**  
 GENERAL GUIDELINES FOR MINIMUM COVER REQUIRED  
 FOR HEAVY OFF-ROAD CONSTRUCTION EQUIPMENT<sup>22</sup>

PIPE SPAN, IN.	MINIMUM COVER (ft) FOR INDICATED AXLE LOADS (kips)*			
	18 - 50	50 - 75	75 - 110	110 - 150
12 - 42	2.0	2.5	3.0	3.0
48 - 72	3.0	3.0	3.5	4.0
78 - 120	3.0	3.5	4.0	4.0
126 - 144	3.5	4.0	4.5	4.5

\*kips = 1,000 lbs.

MINIMUM COVER MAY VARY, DEPENDING ON LOCAL CONDITIONS. THE CONTRACTOR MUST PROVIDE THE ADDITIONAL COVER REQUIRED TO AVOID DAMAGE TO THE PIPE. MINIMUM COVER IS MEASURED FROM THE TOP OF THE PIPE TO THE MAINTAINED CONSTRUCTION ROADWAY SURFACE.