



## **SITE PLANNING & PREPARATION CHECKLIST**

### **REVIEWING THE EXCAVATION SITE**

- Plan a clear path for the delivery truck, noting all above-ground obstructions, including power lines, phone lines, trees and fences.
- Determine the type and field location of all foreign utilities such as underground water and power lines.
- When below-ground utilities are present, follow local codes regarding permits and inspection requirements.
- Provide for suitable adjacent surface area to support the boom truck, which must pull up next to or back into the excavation and have room to deploy outriggers.
- When installing a vault too large for a boom truck, select an appropriate crane to handle vault size and weight.
- Consider crane weight capacity for long reaches, low overhead height or when setting two sections at once.

### **DETERMINING EXCAVATION SIZE & CLEARANCE**

Consider the following items when determining excavation size and clearance:

- The overall dimensions of the assembled vault.
- Space for added height of grade ring risers, frame and cover, and pump operation.
- Over-excavate the width by 12" to 24" to accommodate shoring and compaction equipment.
- Over-excavate the depth of the hole to accommodate 4" to 12" of stable base material.
- Allow extra room for any deep sump protrusions or corbelled vaults, and adjust clearance to meet specific field conditions as needed.