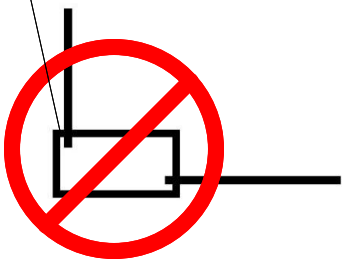


# FIBER VAULT ORIENTATION AND DUCT ENTRY

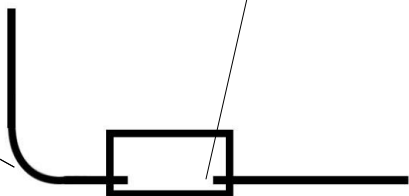
Vaults shall be located back from 60° changes in direction or greater to allow fiber ducts to enter in the narrow end. Ducts shall NEVER enter from the long side. Multiple ducts in a common path shall enter the vault in a bundle and be individually marked to clearly identify individual ducts within a common path or vault.

Duct shall always enter in the narrow end and rise out of the bottom grade inside the vault within 3" or less of the end wall at a 30° angle or greater and be free of debris. Ducts without cable installed shall be capped or plugged.

Duct enters vault at long side



Bend radius not less than 25 x OD



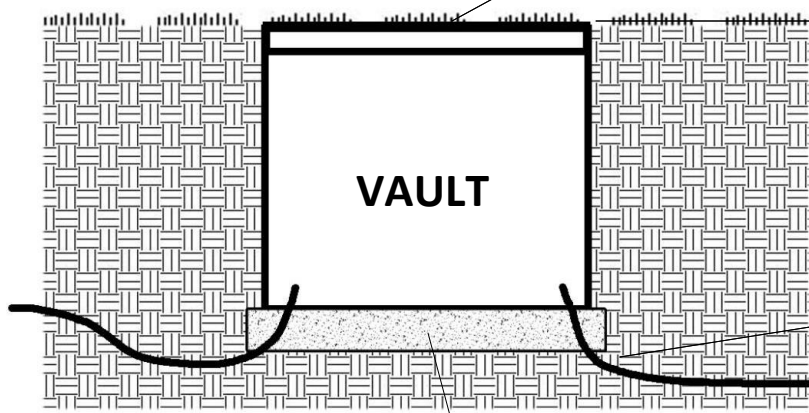
**CORRECT!**  
**DUCT ENTERS AT NARROW ENDS**

# FIBER VAULT INSTALLATION

Lids shall be labeled  
Fiber Optics or Communications

Lid shall be level and flush with grade

Duct(s) shall bend gradually to rise in the narrow end of the vault



Vaults shall be set on no less than a 3 inch thick compacted base of 3/8" crushed gravel or pea gravel that extends outside the vault. Properly compacted clean fill shall be used around the vault with no less than 6" of topsoil at grade level. Vaults shall be installed so as to be protected from settling or other sources of movement or damage.