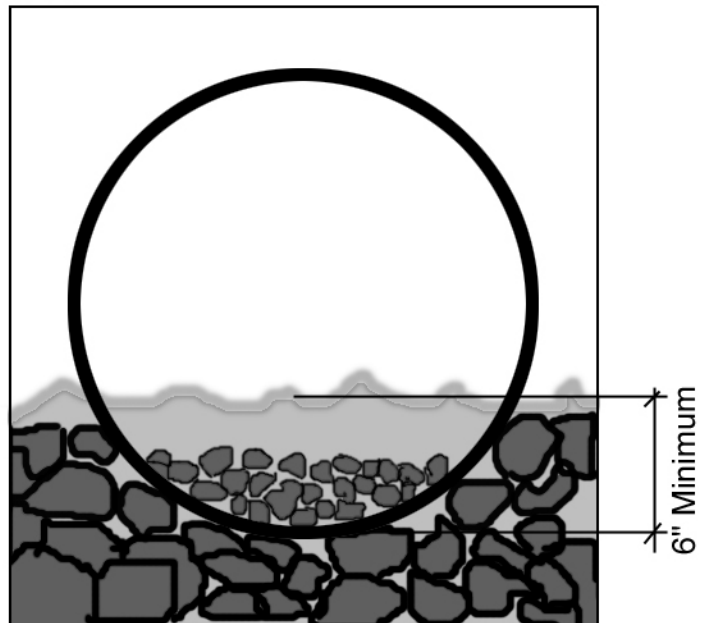


## RECOMMENDED Culvert Placement



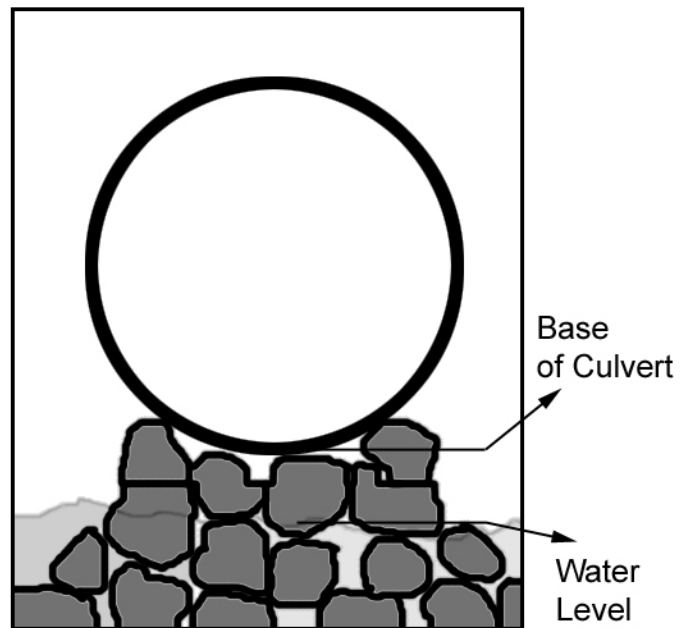
A culvert should be installed in such a way that the bottom of the structure is at least 6 inches below the streambed to allow for fish passage and to mimic the natural stream bed.



Implement comprehensive and effective sediment and erosion control measures to the greatest extent possible during installation so that rip rap and other fill material do not impede the flow of water from the entrance and exit of the culvert.



# INCORRECT Culvert Placement



Installing a culvert above the existing streambed creates a serious barrier to fish and wildlife movement. When the culvert is higher than the surrounding streambed it is often referred to as "perched".

# COUNTIES with Topeka Shiner Habitats

For counties known to contain Topeka Shiner stream (see county list), construction activities should be done in the dry or consultation with FEMA environmental should be initiated prior to construction.

Aurora  
Beadle  
Bon Homme  
Brookings  
Clark  
Codington  
Davison  
Deuel  
Douglas  
Grant  
Hamlin  
Hanson  
Hutchinson  
Jerauld  
Kingsbury  
Lake  
Lincoln  
McCook  
Miner  
Minnehaha  
Moody  
Sanborn  
Spink  
Turner  
Union  
Yankton

