



BMP Section and Design

Construction Perimeter Fence

This Best Management Practice must be installed, maintained, and removed in accordance with TxDOT plans and specifications and manufacturer specifications, where applicable, as well as the TPDES Construction General Permit TXR15000.

	<p>DESCRIPTION</p> <p>Construction perimeter fence is temporarily placed along the boundary of the project site, environmentally sensitive areas, and as safety precaution for certain areas.</p>		
<p>TYPES</p>			
<p>Standard Silt Fence</p>	<p>Metal Chain-Link Fence</p>		
<p>Orange Construction Fence</p>	<p>Wooden Barricade</p>		
<p>APPLICATION</p>			
<p>Construction perimeter fence is used to limit access to the construction site which protects site personnel and the public from onsite safety hazards. Additionally, it alerts site personnel to environmentally sensitive areas that may exist within the project boundary. Finally, it can aid in keeping construction debris on-site. Construction perimeter fences should be placed in the following locations:</p> <ul style="list-style-type: none"> • Along the boundary of the construction site • Around hazardous areas • Along the boundary of prohibited areas (environmentally sensitive areas, preserved vegetation, tree protection, etc.) <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;"> <p>Advantages</p> <ul style="list-style-type: none"> • Can be used in conjunction with other perimeter controls • Allow for limited access to the site • Durable • Easily installed </td> <td style="width: 50%; text-align: center;"> <p>Disadvantages</p> <ul style="list-style-type: none"> • May be practical in certain circumstances • Can fail structurally under heavy storm flows </td> </tr> </table>		<p>Advantages</p> <ul style="list-style-type: none"> • Can be used in conjunction with other perimeter controls • Allow for limited access to the site • Durable • Easily installed 	<p>Disadvantages</p> <ul style="list-style-type: none"> • May be practical in certain circumstances • Can fail structurally under heavy storm flows
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<p>DESIGN CRITERIA</p>			
<ol style="list-style-type: none"> 1. Determine construction site access routes prior to the addition of construction perimeter fence to the plans sheet. 2. Construction perimeter fence must be installed around all prohibited areas where construction activities are not allowed (environmentally sensitive areas, waterbodies, wetlands, preserved vegetation, tree protection, etc.). 	<ol style="list-style-type: none"> 3. Implement construction perimeter fence in areas that are deemed a safety concern for the public and/or for site personnel (fall protection, additional PPE needs, contaminated soil, etc.), as well as in areas with privacy concerns. 4. Construction perimeter fence should be installed prior to soil disturbing activities. 5. Safety signage may be installed along the construction perimeter fence if required for the project site. 		
<p>REFERENCES: Temporary Erosion, Sediment, and Environmental Controls: Item 506 (Section 2.7 and 4.4.6) TPDES Construction General Permit TXR15000 Part III.F and Part III.G</p>			