



5-7 EARTH RETAINING SYSTEM SAFETY RAILING

When cable railing is required at the top of an earth retaining system in accordance with Highway Design Manual Topic 210.6, Standard Plan sheet B11-47 shall be utilized.

Special designs for safety railing may be considered where aesthetic values of the area warrant special treatment. However, the Structure PE shall consult with the DES Barrier & Railing Technical Specialist and one of the DES Earth Retaining Systems Technical Specialists prior to incorporating special safety railing details into the PS&E package.

When requested by the District, Chain Link Fence Type CL-1.2, Standard Plan A85, may be used in lieu of cable railing. The Chain Link Fence may be vinyl-clad for aesthetic or safety purposes. The District should be consulted for the use of vinyl-cladding and the cladding color. If the situation calls for wall mounted cable railing and Chain Link Fence is used, the post pocket detail for Cable Railing on Standard Plan B11-47, or similar, shall be used.

Cable railing is not required when a permanent traffic barrier is constructed on top of an earth retaining structure and the distance from the back of the barrier to the face of the earth retaining structure is less than 900 mm.

In all cases, regardless of the vertical fall distance, the District should be contacted to determine if a chain link fence is required for protection of the public in accordance with Highway Design Manual Topic 208.10.

(original signed by Kevin Thompson for Rick Land)

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