

RETAINING WALLS

Retaining walls are to be shown where specified on the approved preliminary plans and the following details are to be included:

1. Horizontal controls are to be shown on the plans to indicate the location of the proposed retaining wall.
2. A profile is to be shown denoting the top and bottom elevations of the proposed retaining wall. See Figure 2E-8.1 for details.
3. Proposed retaining walls are to be depicted on the roadway typical sections with annotation denoting the type and station limits of the wall.
4. Retaining walls will be drawn in detail on the Cross Sections Sheets. Retaining Wall Excavation will be shown on the cross sections.
5. Beginning and end stations of the retaining wall will be designated on the plans, profiles and cross sections.
6. A Boring Log Data Sheet for the retaining wall will be required in the final plan assembly.

Handrail or fencing along the top of walls is to be thoroughly discussed at field inspection for safety considerations.

Where right of way damages may justify the use of retaining walls, the walls are to be shown on prints and presented at the field inspection along with an estimated construction cost. For comparison purposes, a projected right of way line (without the retaining wall) is to also be shown on field inspection prints.

Form LD-155 shall be completed to investigate the feasibility of alternate retaining wall designs, such as cantilever, reinforced earth, etc., and are to be considered and discussed with the Structure and Bridge Engineer for Geotechnical Design of Structures for possible use in lieu of standard designs (especially if wall height exceeds 10 feet (3 m)).

Foundation data shall be requested from the Materials Division (Form [LD-252](#)) for all proposed retaining walls. The foundation recommendations that will be provided by the Materials Engineer are to be included in the details shown on the plans and cross sections.

Replacement of decorative or other walls, differing from standard walls, is to be thoroughly discussed at field inspection and, if a special design is necessary, a request is to be forwarded to the [Standards/Special Design Section](#) for design.

Deleted Information *

* Rev. 7/13