

## TYPICAL RETAINING WALL SCENARIOS

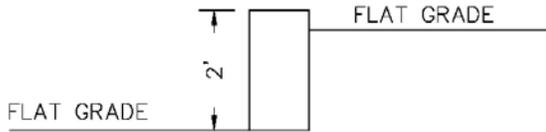


Fig. 1

Fig. 1. This depicts a retaining wall separating two flat grades with a vertical difference of two feet. This scenario may not require an engineered design. The Engineering Division has several designs on file that would be suitable for this application.

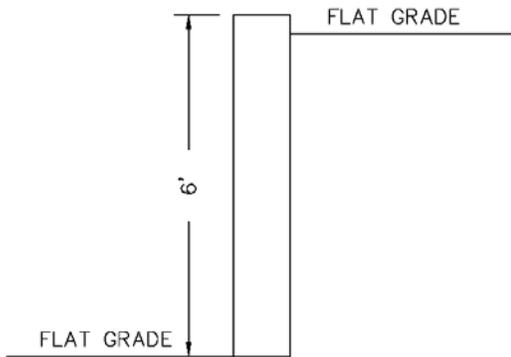


Fig. 2

Fig. 2. Any wall in any scenario with an exposed face over four feet in height requires an engineered design. Also note that in most cases a guard rail along the top of the wall may be required per the Code Enforcement Division.

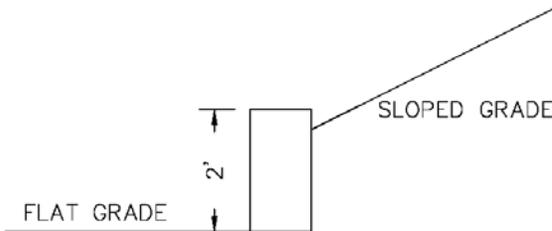


Fig. 3

Fig. 3. A retaining wall of any height that is retaining soil with a surcharge requires an engineered design. In this case, the surcharge is the grade sloping towards the wall.

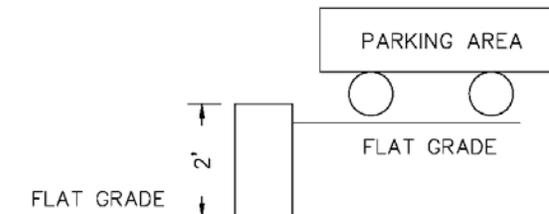


Fig. 4

Fig. 4. Similar to Fig. 3, this represents a scenario where there is a surcharge acting on the retaining wall. Due to the extra weight vehicles apply to the structure, this requires an engineered design.