

Directions

On the work screen you will see a topographic representation of an existing site that is to have a built object placed on it and the site regraded. The tools available will allow you to place the built object and manipulate and identify contour lines. Your completed work should show the placed built object and should show the site plan with contours that will successfully allow water to flow from the site in accordance with the program and site conditions.

Before beginning your solution, you should review the program that can be accessed through the Vignette Index screen and familiarize yourself with the site plan on the work screen.

Program

A steam engine Locomotive Display is to be located within a fenced area in a city park. The park is surrounded by private properties on all sides.

1. Place the Locomotive Display on the site within the building limit lines.
 - a. Regrade the site to create a level area for the Locomotive Display.
 - b. Indicate the finish floor elevation of the Locomotive Display. The finish floor elevation must be 6" above the nearest contour line.
2. Regrade the site so that water will flow around and away from the Locomotive Display.
 - a. The slope of the regraded portions of the site shall be at least 1 percent and no more than 20 percent.
 - b. Contour lines between property lines and building limit lines may be manipulated.
3. The existing smokestack, rocks, and trees shall not be disturbed.
4. Changes in site topography not required for proper drainage should be avoided.