

ZONING

27 Attachment 8

Township of Londonderry

Implementation of Airport Zoning Regulations

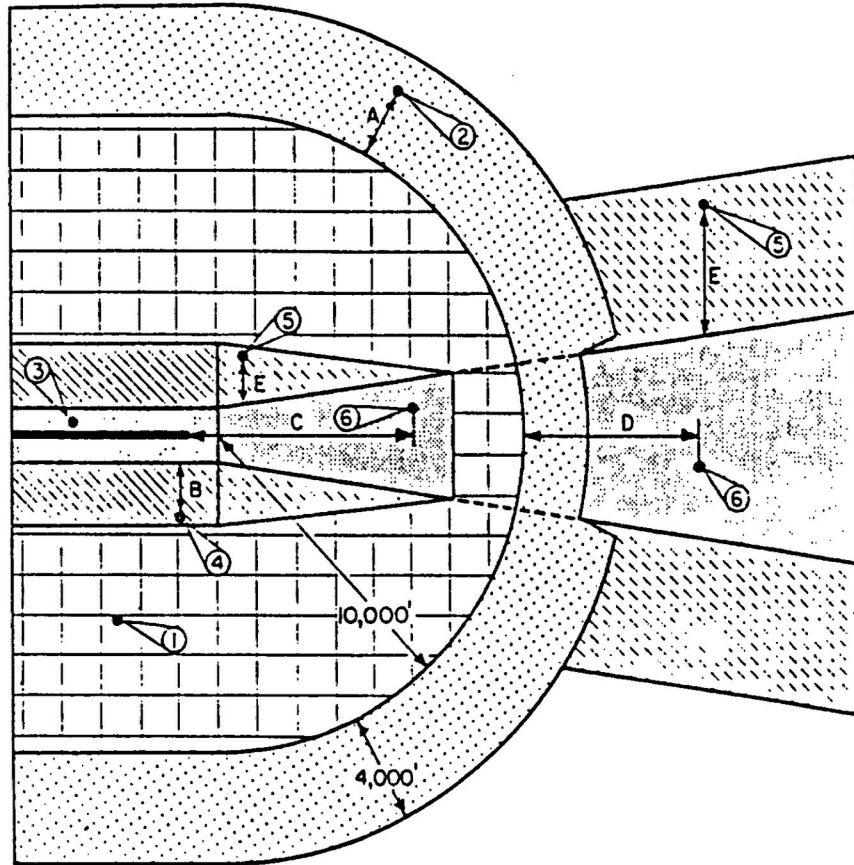
Maximum Allowable Height

The following figures and formulas have been prepared for determining the maximum allowable heights of objects within the airport's vicinity. The formulas are used in conjunction with the figure; where a formula is assigned a number, that formula corresponds with a point location of the same number on the figure. By using the formula and following the steps outlined below, the maximum allowable height at a point location can be determined:

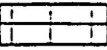




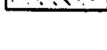
1. Locate the point (object) in question on the figure (sample point locations identified by numbers are given in various coded airport zones.)
2. Apply the formula having the same number as the chosen point location to calculate the maximum allowable height for an object at the point (some formulas will have letter variables (A, B, C, etc.) which are shown on the figure).

LONDONDERRY CODE

PRECISION INSTRUMENT RUNWAY ZONES



ALLOWABLE HEIGHT FORMULAS

LOCATION ZONE	FORMULA
 Horizontal Surface	$\text{Allowable Height} = (\text{Established Airport Elevation}) + (150') - (\text{Ground Elevation})$
 Conical Surface	$\text{Allowable Height} = (\text{Established Airport Elevation}) + (150') + (A \div 20) - (\text{Ground Elevation})$
 Primary Surface	$\text{Allowable Height} = (\text{Elevation of the Runway Perpendicular to the Location Point}) - (\text{Ground Elevation})$
 Transitional Surface	$\text{Allowable Height} = (\text{Elevation of the Primary Surface along the Runway Centerline Perpendicular to the Location Point}) + (B \div 7) - (\text{Ground Elevation})$
 Transitional Surface	$\text{Allowable Height} = (\text{Elevation of the Approach Surface along the Runway Centerline Perpendicular to the Location Point}) + (E \div 7) - (\text{Ground Elevation})$
 Precision Approach Surface	<p>If Point Location is less than 10,200' from the Runway End: $\text{Allowable Height} = (\text{Runway End Elevation}) + ((C-200) \div 50) - (\text{Ground Elevation})$ If not: $\text{Allowable Height} = (\text{Runway End Elevation}) + 200 + (D \div 40) - (\text{Ground Elevation})$ </p>