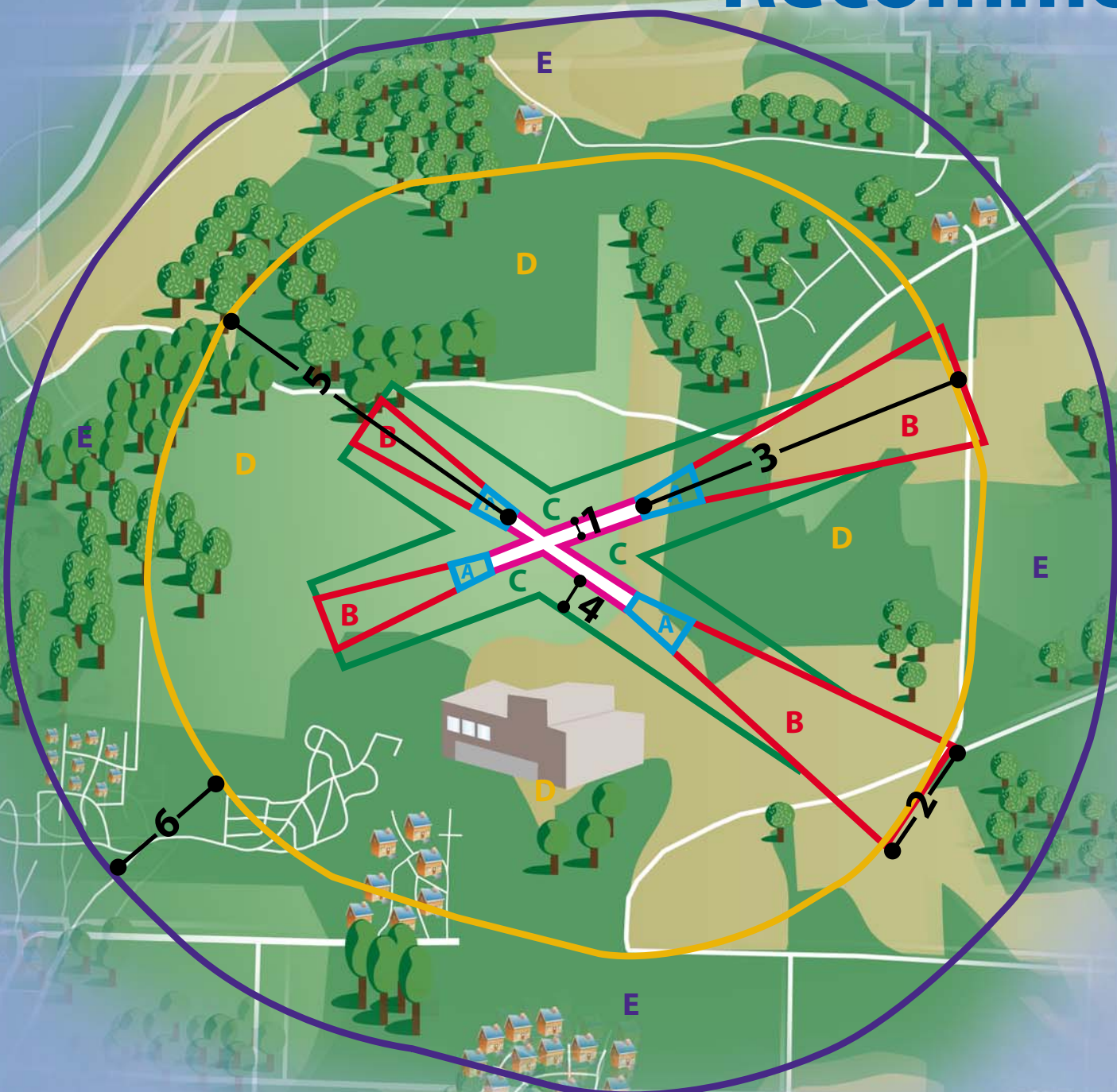


# Recommended Airport Land Use Zones\*



## Overlay Zones

- **A** Runway Protection Zone
- **B** Runway Approach Surface
- **C** Transitional Surface
- **D** Horizontal Surface
- **E** Conical Surface

## Zone Dimension

- 1—● Zone A Inner Width
- 2—● Zone B End Width
- 3—● Zone B Length
- 4—● Zone C Width
- 5—● Zone D Radius
- 6—● Zone E Width

## Zone A – Runway Protection Zone

**Dimensions:** Trapezoid; width varies from 250 to 1,000 feet; length varies from 1,000 to 2,500 feet (dependent on runway design and aircraft approach)

**Compatible land uses:** Very limited; central area completely object free; roadways, parking lots (require FAA review) and agricultural (with no residences)

**Not compatible land uses:** Residential; all commercial development; industrial; institutional; parks; tall structures; and wildlife attractants

## Zone C – Transitional Surface

**Dimensions:** Surface extends at a slope of 7:1 from the sides of the approach surface; width of 1,050 feet

**Compatible land uses:** Most land uses require additional review; light manufacturing; small businesses; warehouses; roads; and agriculture

**Not compatible land uses:** Residential; tall structures; heavy manufacturing; waste management; towers; wind farms; institutional; wildlife attractants; and recreational

## Zone E – Conical Surface

**Dimensions:** Begins at edge of horizontal surface and 4,000 feet in width parallel to horizontal surface

**Compatible land uses:** Many uses compatible; review for possible concerns

**Not compatible land uses:** Development related to height restrictions; and wildlife attractants

## Zone B – Runway Approach Surface

**Dimensions:** Trapezoid; width varies from 250 to 4,000 feet; length varies from 5,000 to 10,000 feet or more (dependent on runway design and aircraft approach)

**Compatible land uses:** Most land uses require additional review; potentially compatible uses include agricultural, parking lots, roads, warehouses, storage facilities, light industrial, and low-density, single-family residences

**Not compatible land uses:** Parks; agricultural structures; large concentrations of people; wildlife attractants; tall wind turbines; cell towers; institutional sites; waste facilities; heavy manufacturing; mobile home parks

## Zone D – Horizontal Surface

**Dimensions:** Elliptical; radius from runway centerline 5,000 to 10,000 feet; 150 feet above airport elevation

**Compatible land uses:** Recreational; agriculture; utilities; institutional; commercial; and residential

**Not compatible land uses:** Uses generating visual obstructions and wildlife attractants are generally not compatible; height restrictions on structures; large concentrations of people and noise-sensitive uses discouraged



Office of Aviation  
Iowa Department of Transportation

Iowa Department of Transportation  
Office of Aviation  
800 Lincoln Way  
Ames, IA 50010  
515-239-1691  
[iawings.com](http://iawings.com)

\* Recommended airport land use zones are guidelines based on Federal Aviation Regulation (FAR) Part 77, Objects Affecting Navigable Airspace; and Federal Aviation Administration Advisory Circular 150/5300-13, Change 11, Airport Design. For additional information, refer to the Iowa Airport Land Use Guidebook available on the Office of Aviation's Web site at [iawings.com](http://iawings.com).