

# *J.E.B. Stuart Park Master Plan Amendment*

**Public Information Meeting**

**April 2, 2009**



# *Why a Master Plan Amendment?*

- **Title IX**
- **Equitable Facilities**
- **Girls & Boys Teams**
- **Field Improvements**

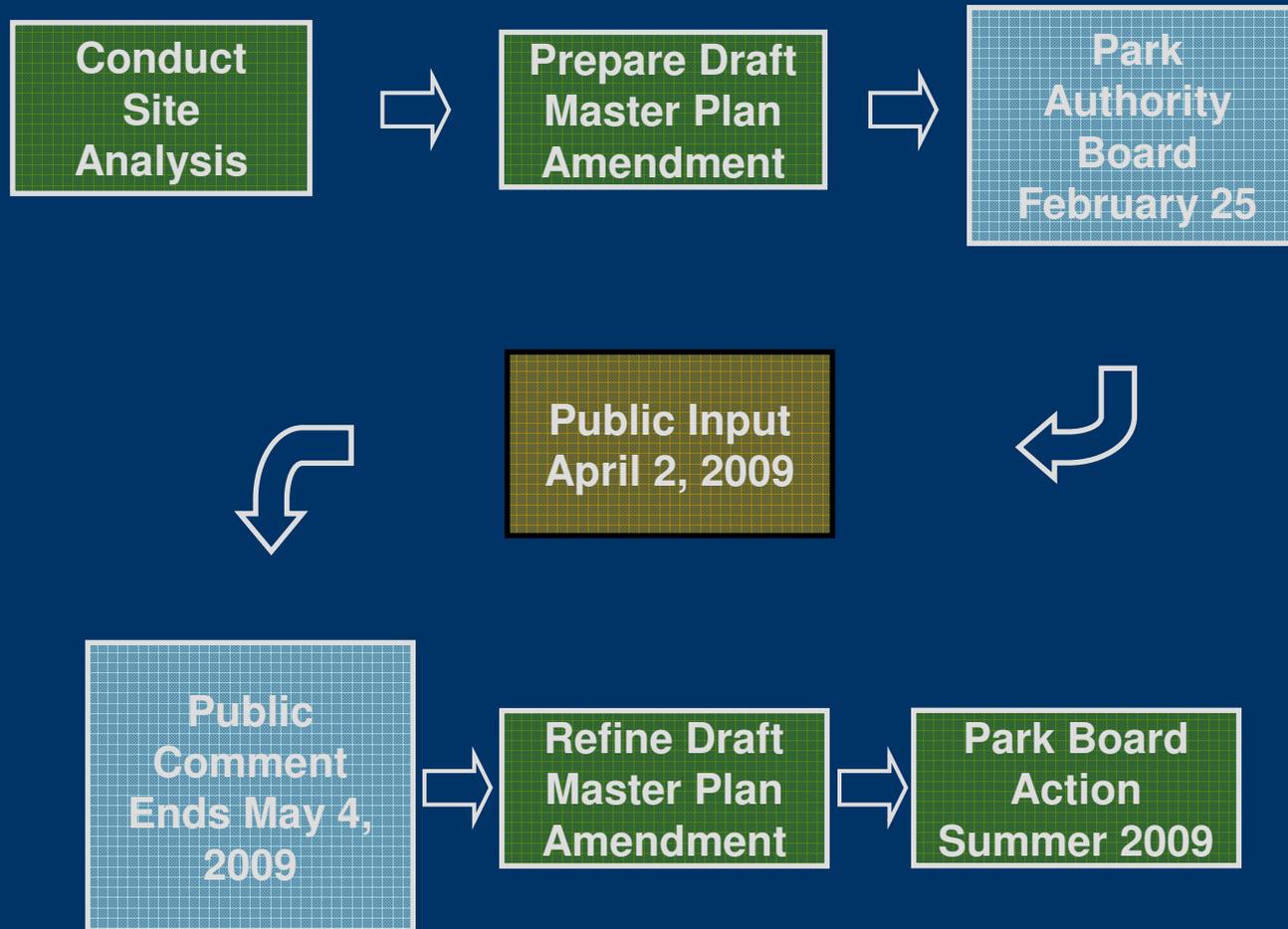


# *Why a Master Plan Amendment?*

- Upgrading Field
- Fence
- Backstop
- Dugouts
- Bleachers
- Scoreboard
- Irrigation
- Field Lighting

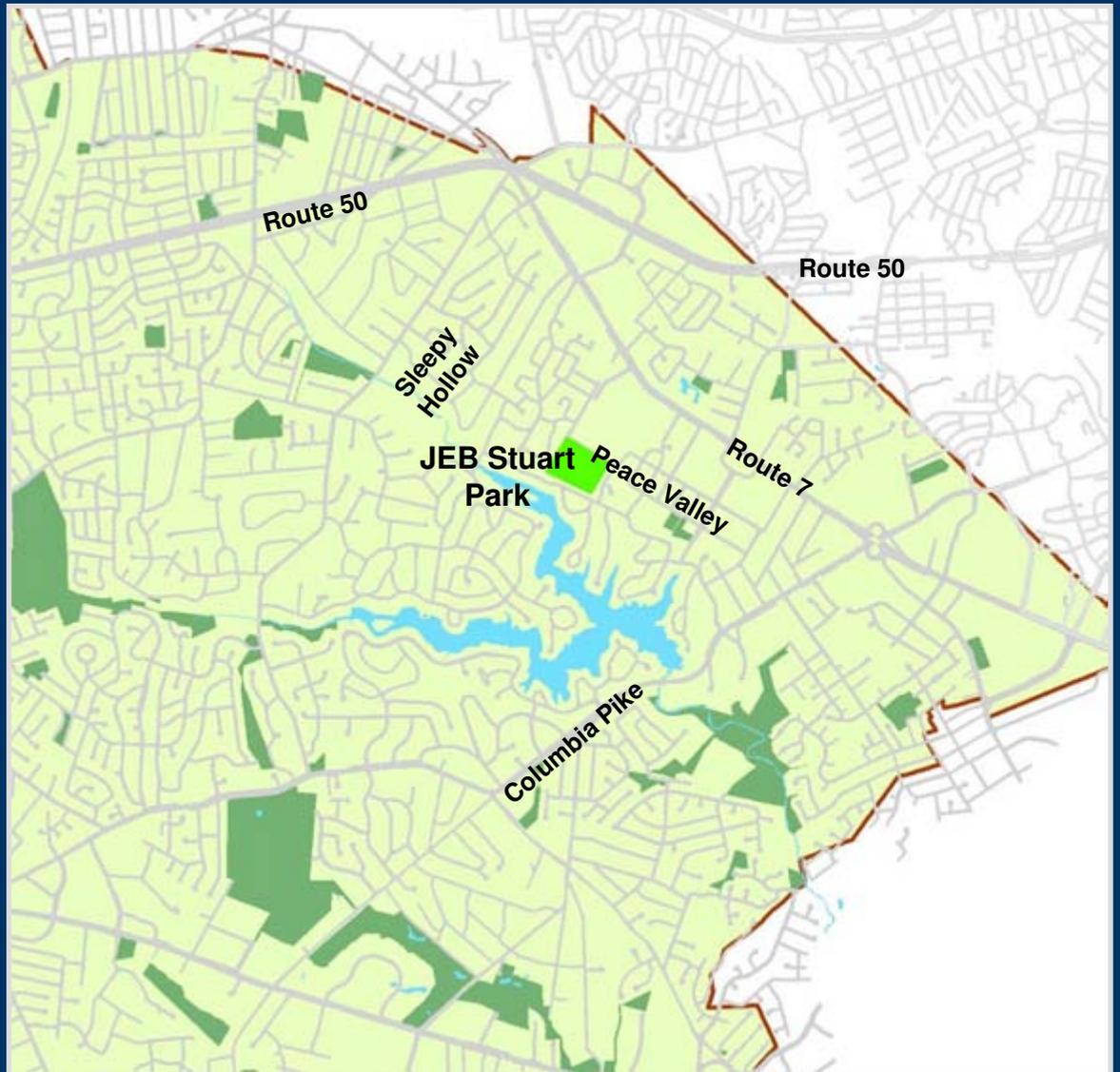


# Master Plan Amendment Process



# Park Location

- Route 50
- Route 7
- Columbia Pike
- Sleepy Hollow
- Peace Valley



# Park History

## Park History

- 1961



# Park History

## Park History

- 1961
- 1970s



# Park History

## Park History

- 1961
- 1970s
- 1986



# Park History

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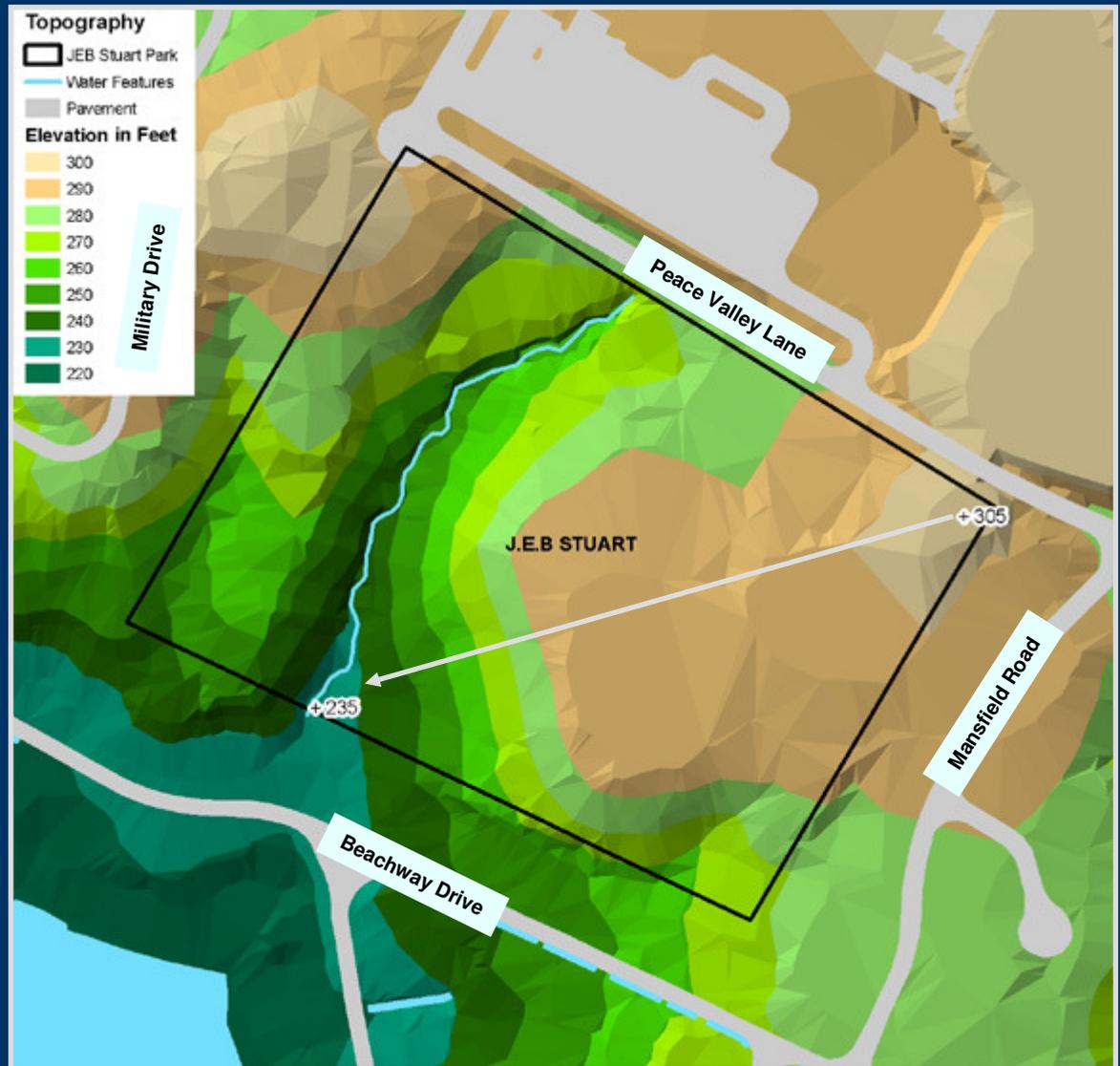
- 1961
- 1970s
- 1986
- 2008



# Existing Conditions

## Natural Features

- Topography



# Existing Conditions

## Natural Features

- Topography
- Stream



# Existing Conditions

## Natural Features

- Topography
- Stream
- Resource Protection Area



# Existing Conditions

## Natural Features

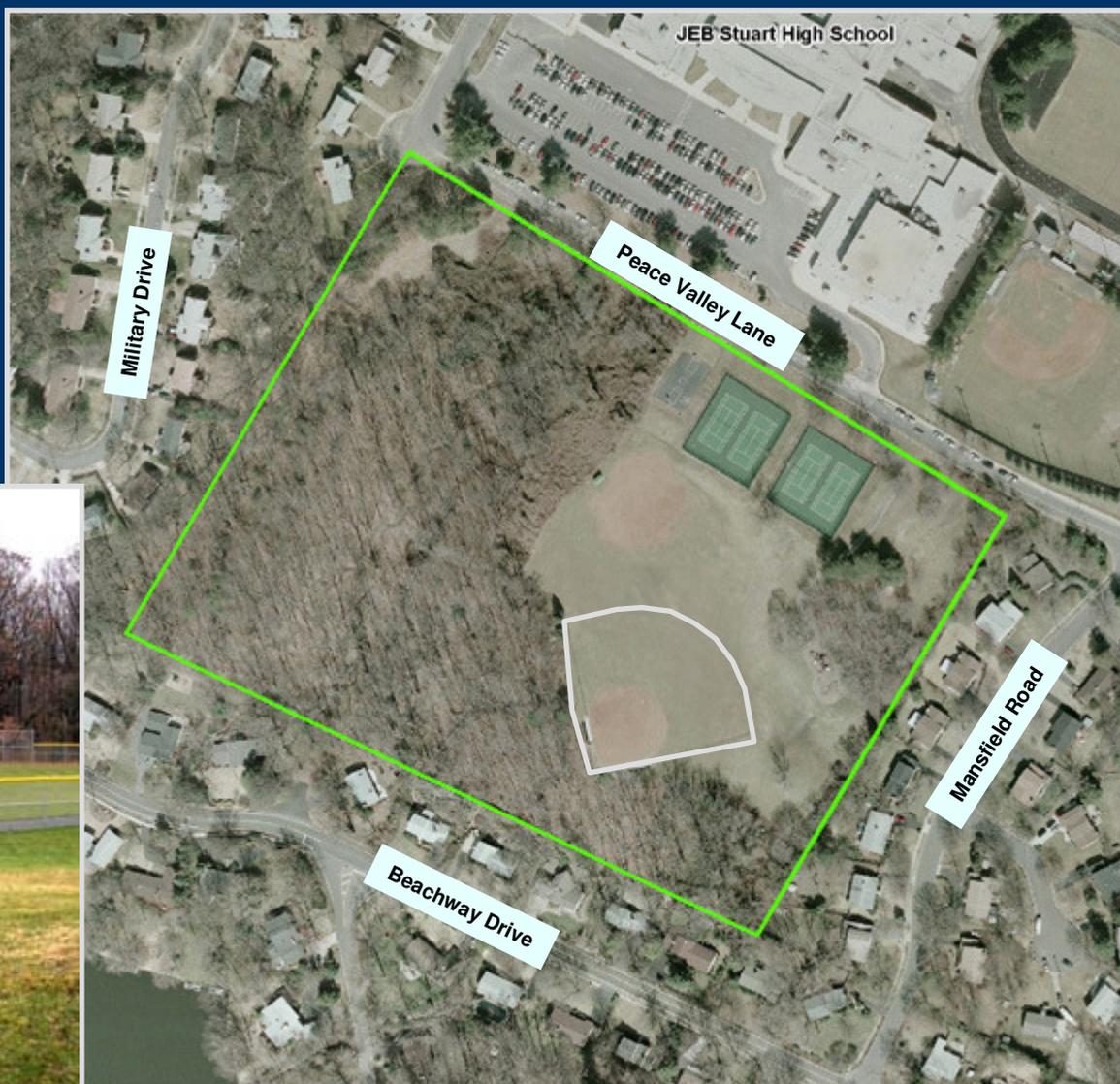
- Topography
- Stream
- Resource Protection Area
- Vegetation



# Existing Conditions

## Recreation

- Diamond Field



# Existing Conditions

## Recreation

- Diamond Field
- Basketball



# Existing Conditions

## Recreation

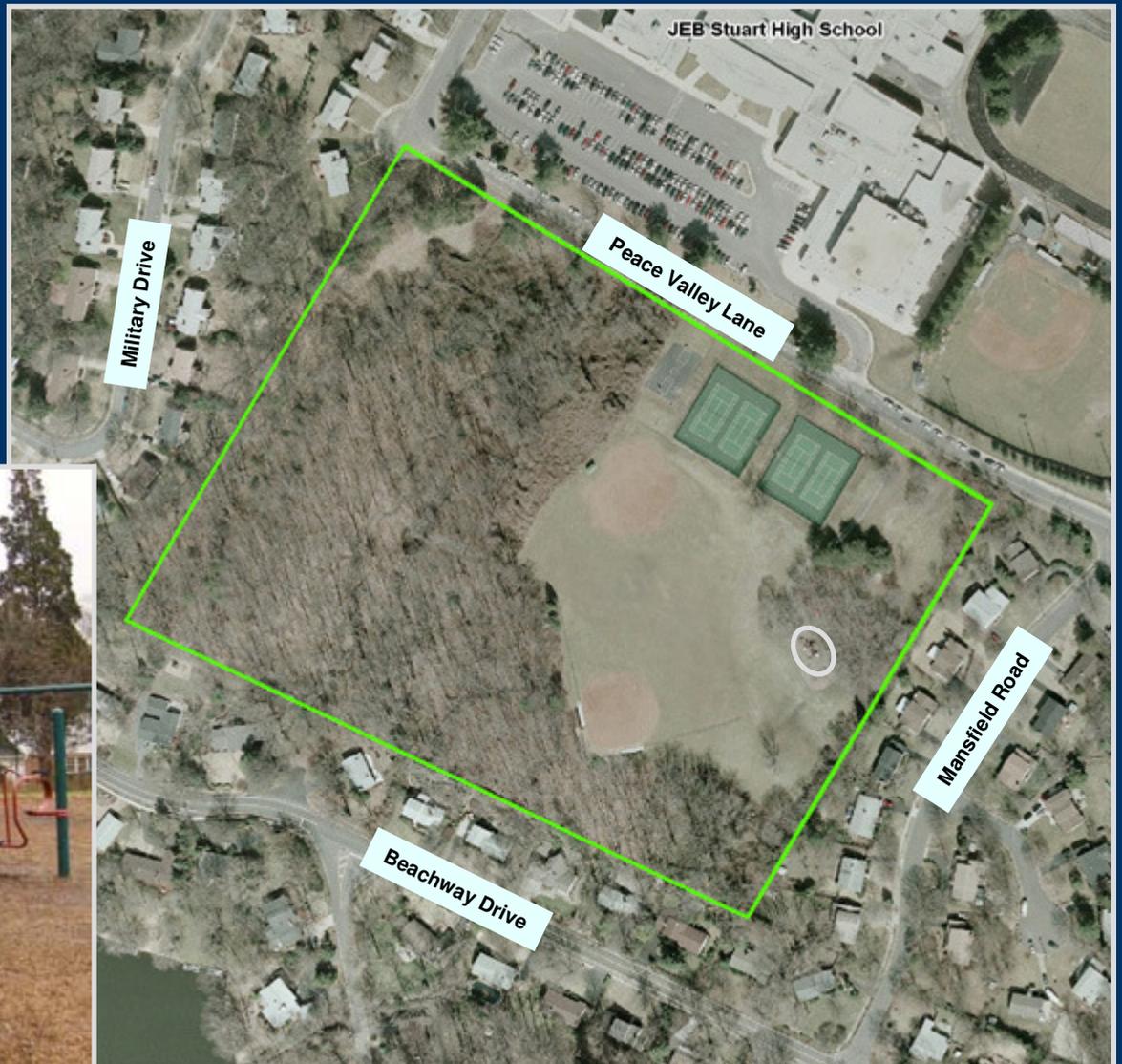
- Diamond Field
- Basketball
- Tennis



# Existing Conditions

## Recreation

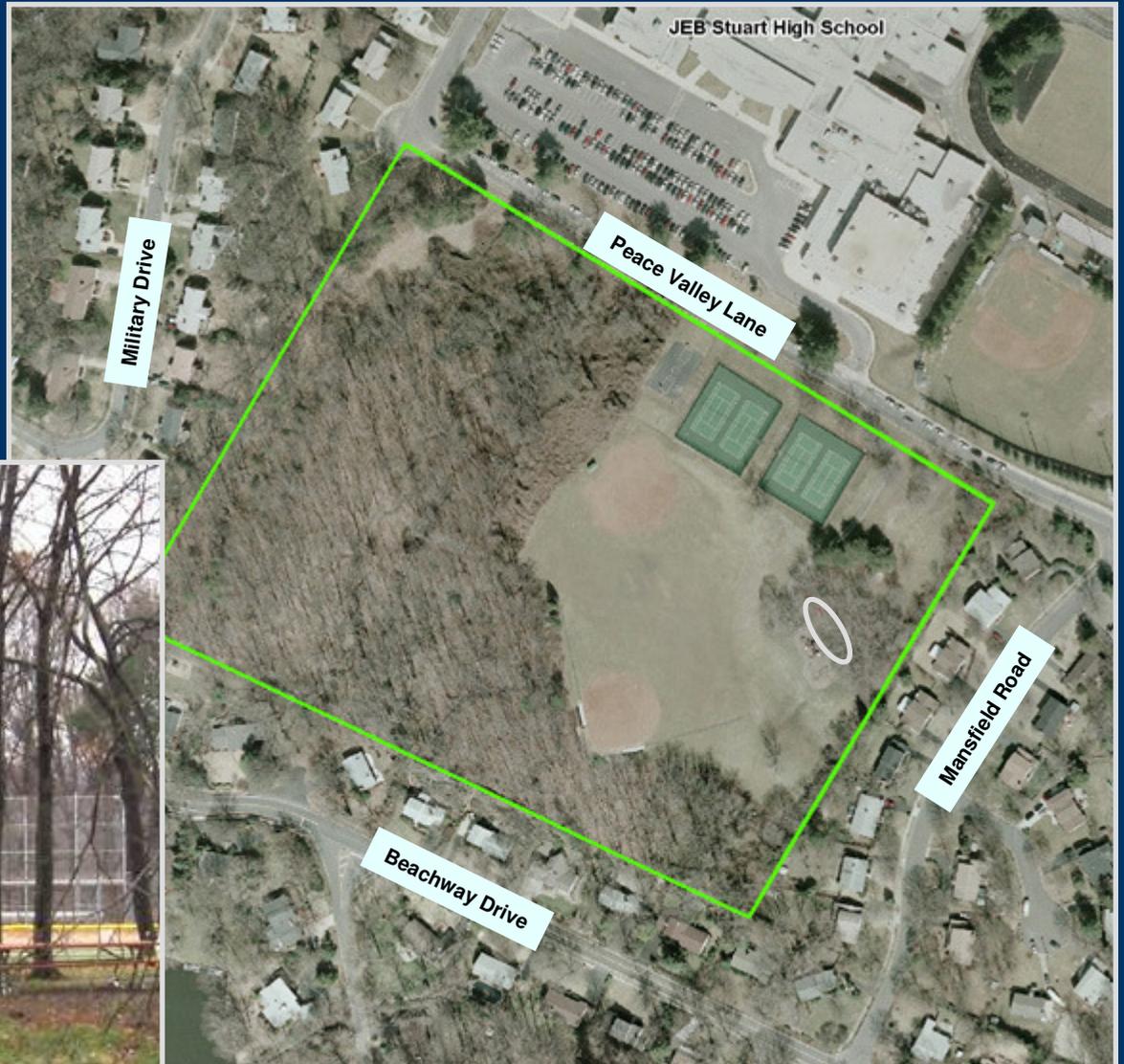
- Diamond Field
- Basketball
- Tennis
- Playground



# Existing Conditions

## Recreation

- Diamond Field
- Basketball
- Tennis
- Playground
- Picnic Area



# Existing Conditions

## Recreation

- Diamond Field
- Basketball
- Tennis
- Playground
- Picnic Area
- Open Play



# 1986 Master Plan



# Draft Master Plan Amendment

- One Diamond
- Converted Open Play
- Light Diamond



# *Field Lighting History*

- **Before 1990**
  - **Light Trespass Not Considered**
  - **No Spillover Control**
  - **Wooden Poles**
    - **Warped**
    - **Effecting Aiming**



# *Field Lighting History*

- Before 1990
- After 1990
  - PA Addresses Light Trespass
  - Concrete Poles
  - Eliminated Aiming Changes



# *Field Lighting History*

- **Before 1990**
- **After 1990**
  - **PA Addresses Light Trespass**
  - **Concrete Pools**
  - **Trespass Main Issue**



# *Field Lighting History*

- Before 1990
- After 1990
  - PA Addresses Light Trespass
  - Concrete Pools
  - Trespass Main Issue
  - Lighting Controlled
  - 1<sup>st</sup> Generation



# *Field Lighting History*

- Before 1990
- After 1990
  - PA Addresses Light Trespass
  - Concrete Pools
  - Trespass Main Issue
  - Lighting Controlled
  - Latest
  - Shields



# Latest Lighting Control

## Virginia Tech Softball

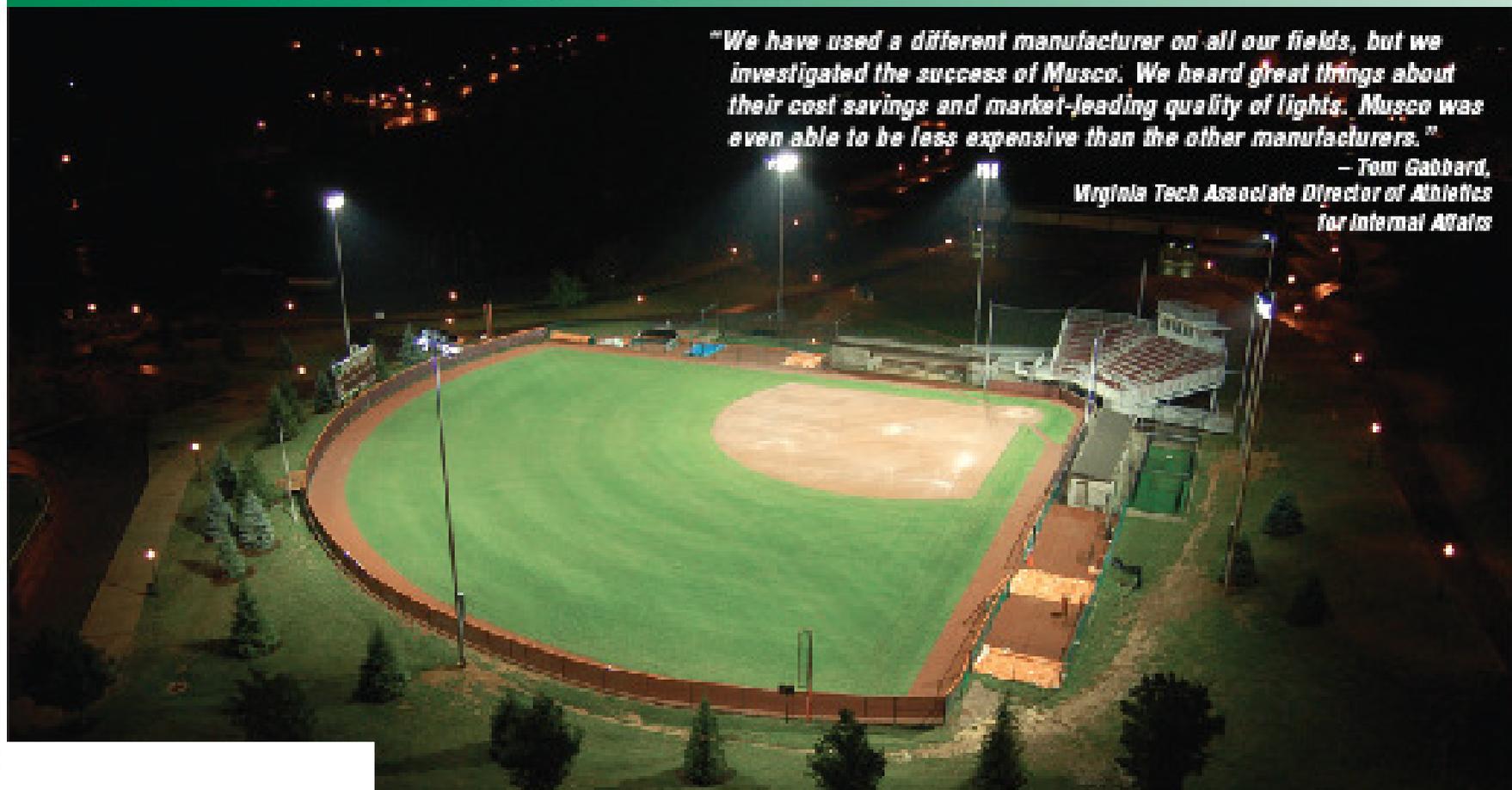
Blacksburg, Virginia

Light-Structure  
**GREEN**

*Light-Structure Green™ Saves \$26,000*

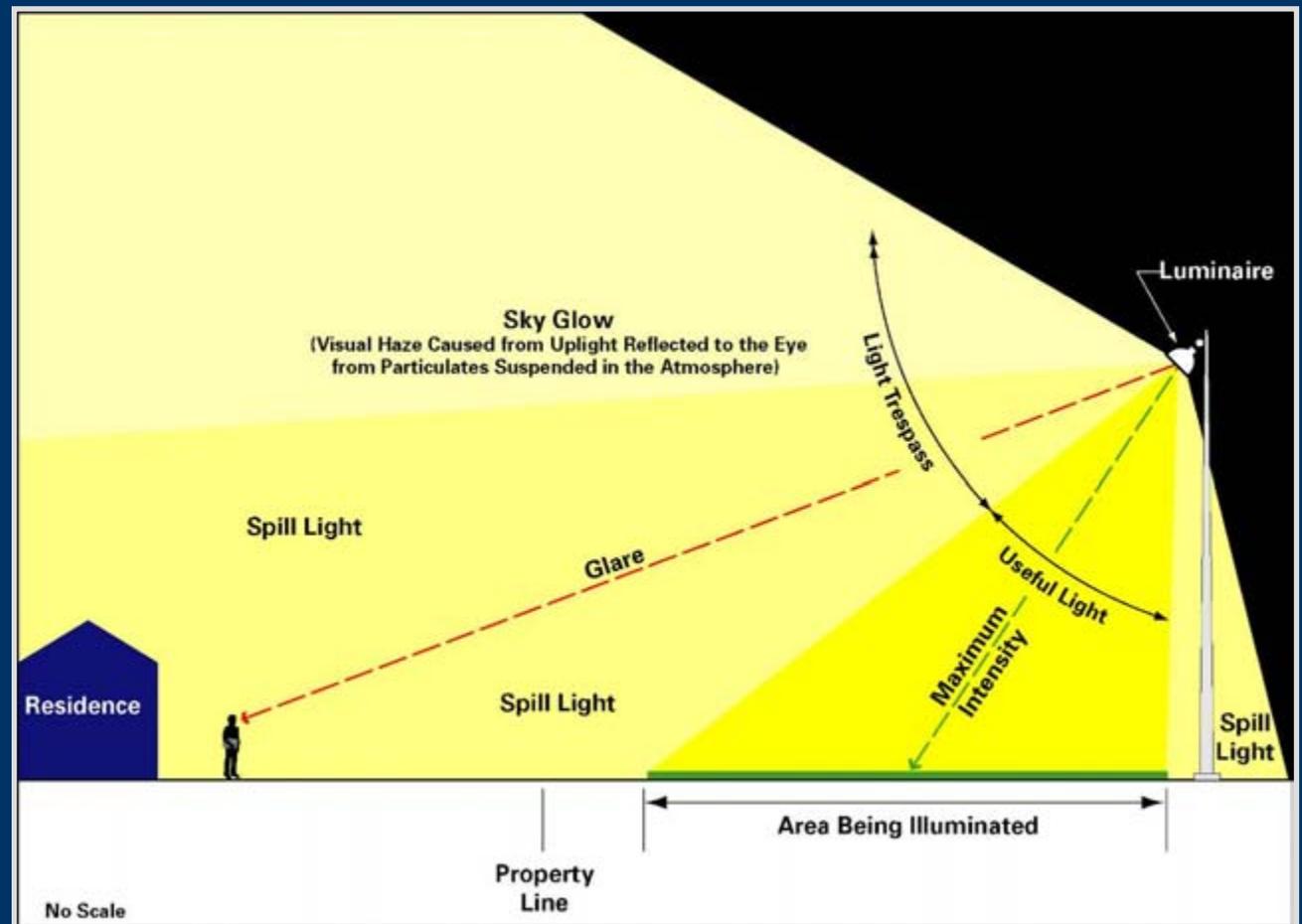
*"We have used a different manufacturer on all our fields, but we investigated the success of Musco. We heard great things about their cost savings and market-leading quality of lights. Musco was even able to be less expensive than the other manufacturers."*

*— Tom Gabbard,  
Virginia Tech Associate Director of Athletics  
for Internal Affairs*



# Obtrusive Light

- 3 Interrelated elements
  - Spill light
  - Glare
  - Sky glow



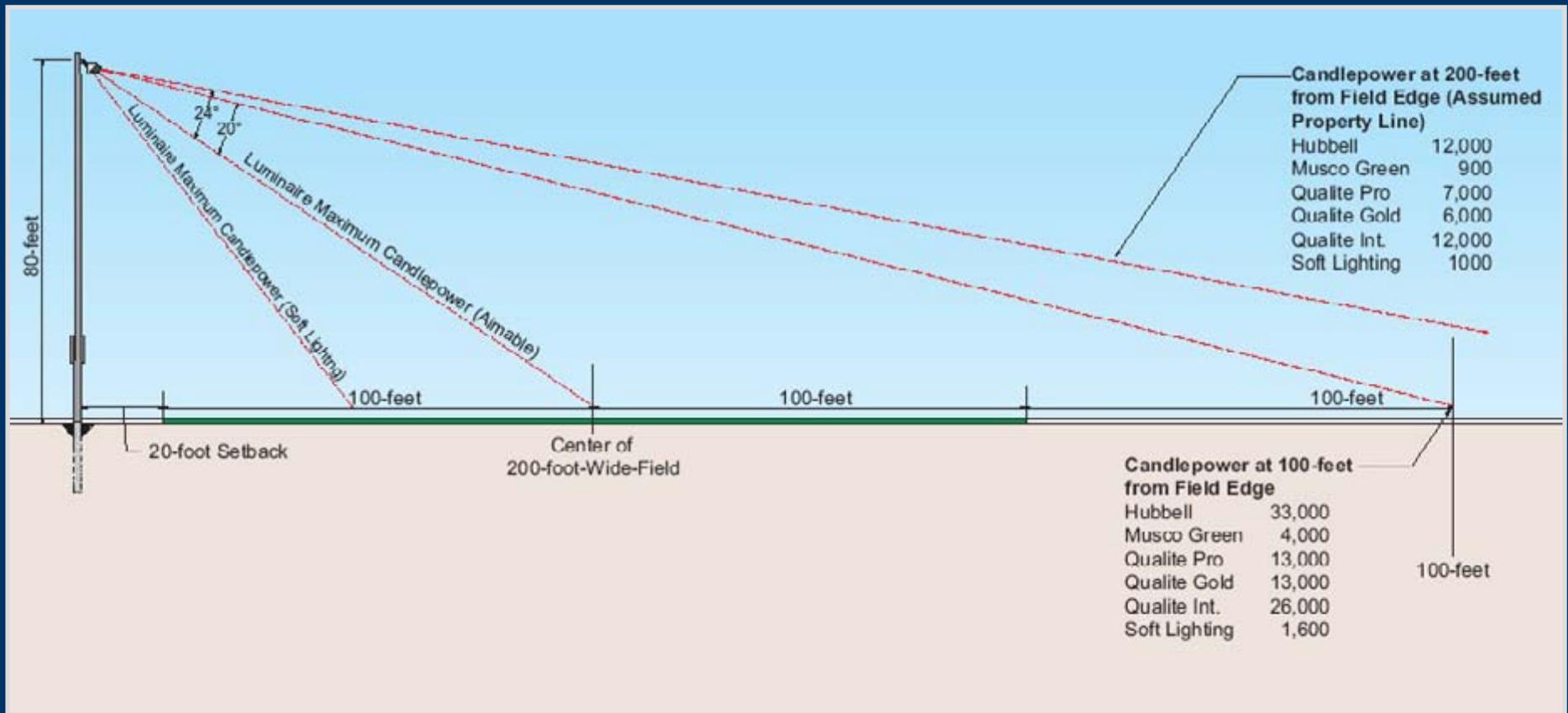
# *Control of Obtrusive Light*

- **Shielded Fixtures**



# Control of Obtrusive Light

- Shielded Fixtures
- Downward Aiming Fixtures



# *Control of Obtrusive Light*

- **Shielded Fixtures**
- **Downward Aiming Fixtures**
- **Efficient Fixtures**



# *Field Lighting Standards*

## **IESNA Recommended Lighting**

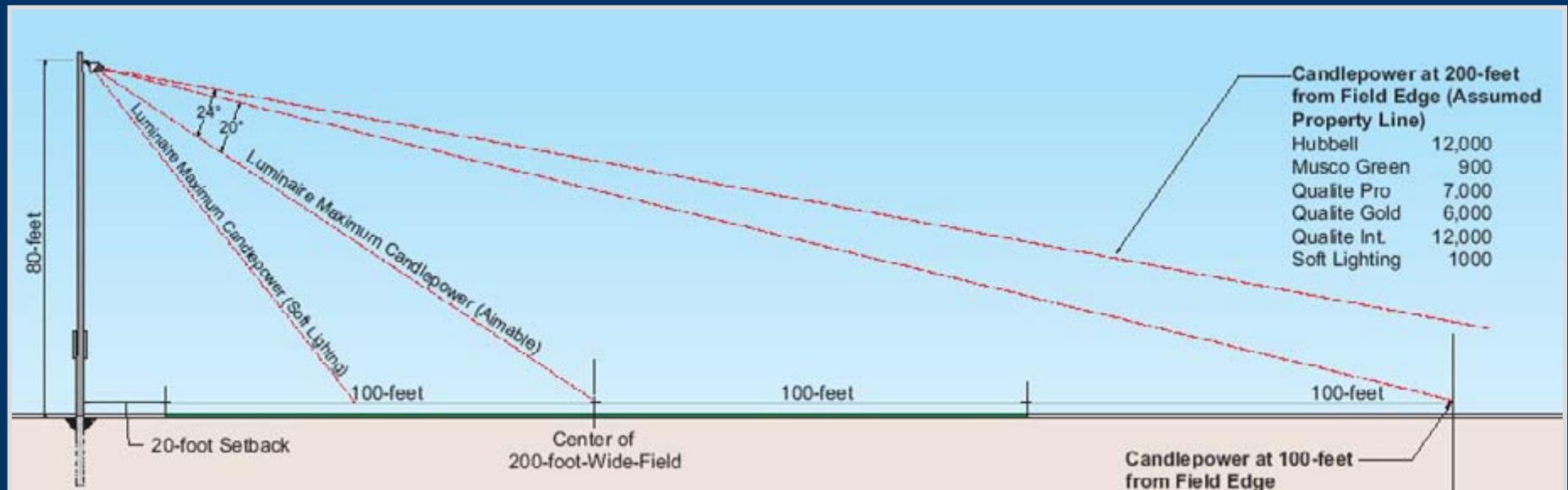
(fc) = foot candles

Class	Rectangle	Diamond Infield	Diamond Outfield
III – High School	30 fc	50 fc	30 fc
IV – Low Recreation	20 fc	30 fc	20 fc

# Field Lighting Standards

	Rectangle A	Diamond & Rectangle B
Max Spill	0.3 fc	0.8 fc
Max Glare	7,000 fc	12,000 fc

- Max Spill – 150 feet
- Max Glare – 200 feet
- Property Line



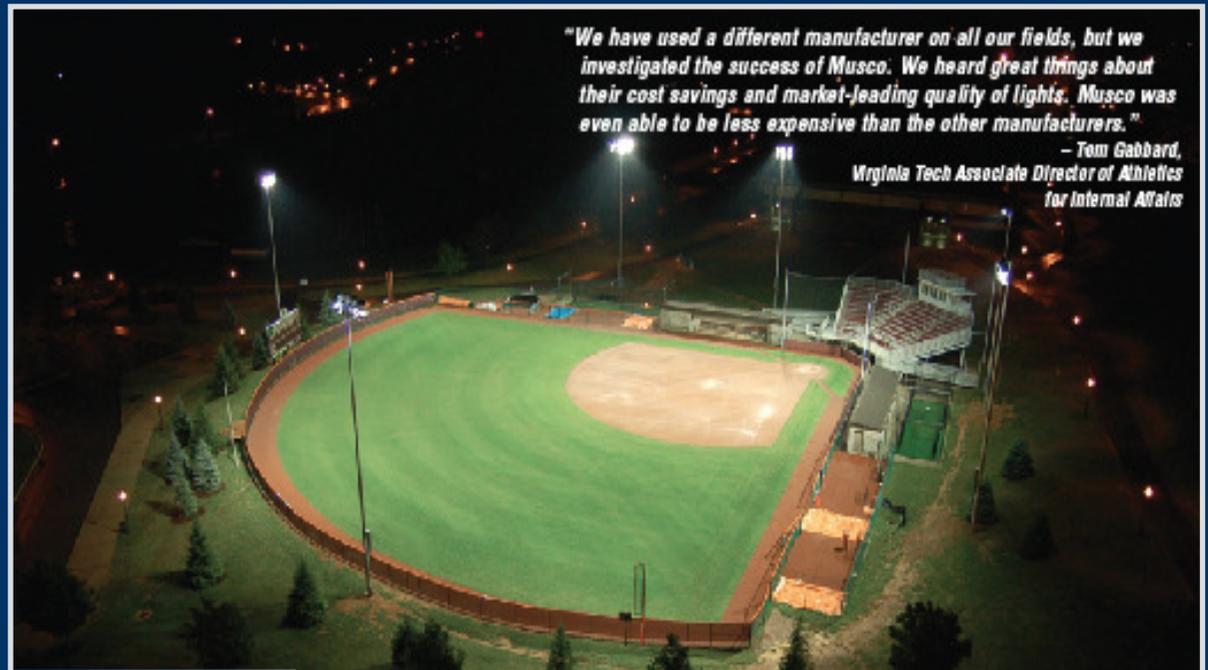
# Fairfax County Zoning Ordinance

- On Field Lighting
- Regulates Maximum On Field
  - At 60 foot candles
- Sports Illumination Plan



# Light System Control

- Control Link
- Satellite
- Internet-based
- Phone
- Staffed control center
- Field control units
- System monitoring



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# *Next Steps*

**April 9, 2009** – Lighting Demonstration

**May 4** – Public Comment Ends

**May** – Revise Draft

**June** - Park Authority Board



# *Feedback*

**Please visit our website:**

**<http://www.fairfaxcounty.gov/parks/plandev/jebstuart.htm>**

**Please Send comments to:**

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