



Oak Marr Park Master Plan Amendment

Public Comment Meeting
Oakton Community Library
April 16, 2009



Why a Master Plan Amendment?

- Lighting rectangle fields
- Lighting Mini Golf course



Master Plan Process



Conduct
Site
Analysis



Prepare Draft
Master Plan
Amendment



Park
Authority
Board
February 25



Public Comment Meeting
April 16, 2009



Public Comment
Period Ends
May 16, 2009



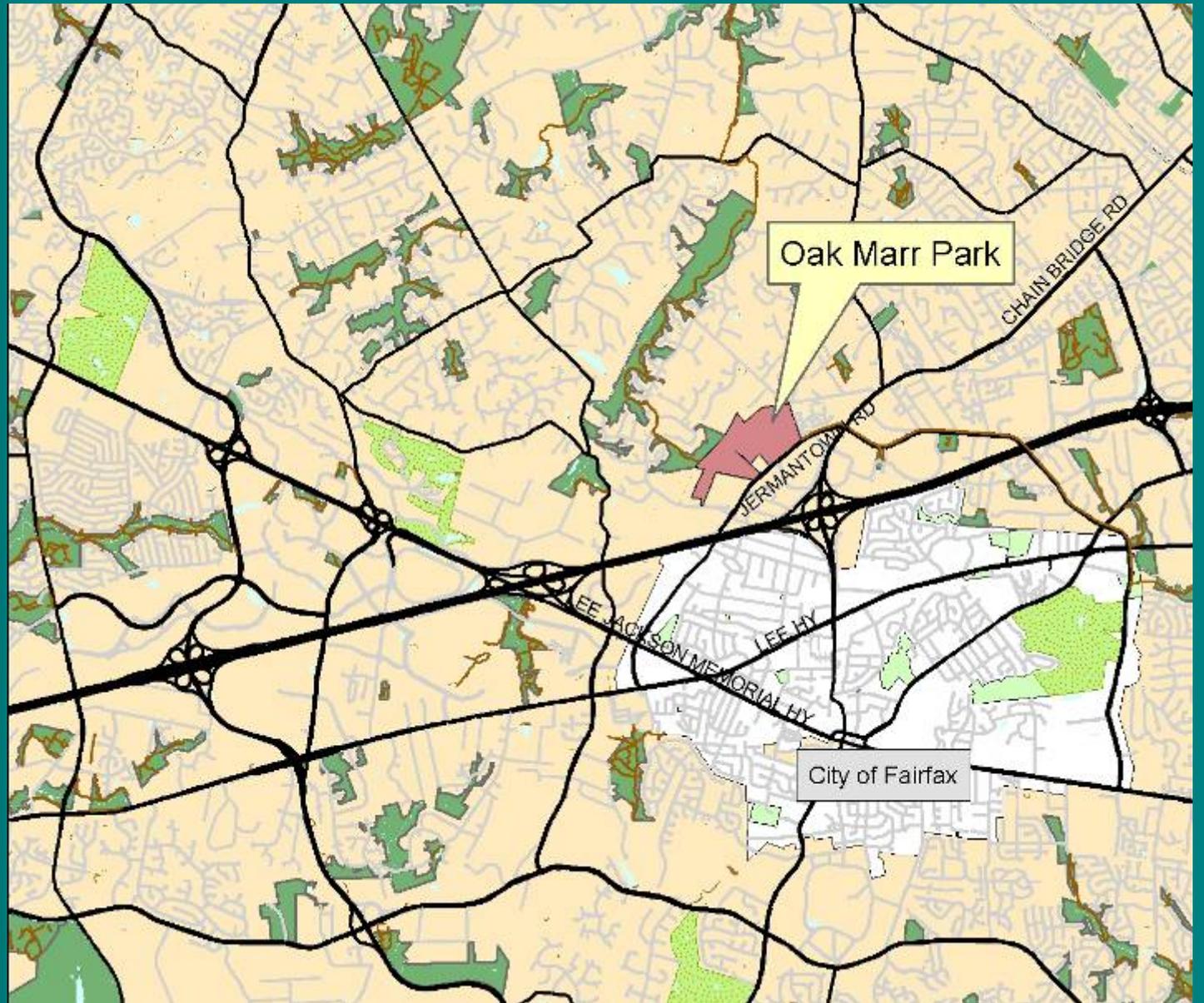
Refine Draft
Master Plan
Amendment



Park Board
Review
Summer 2009



Park Location



Administrative History

- Original Master Plan approved in 1993
- Providence District Athletic Fields Task Force report issued March, 2008
- Park Bond approved for lights and synthetic turf November 2008

GENERAL
MANAGEMENT PLAN
CONCEPTUAL
DEVELOPMENT PLAN
AND
PROJECT IMPLEMENTATION
PLAN

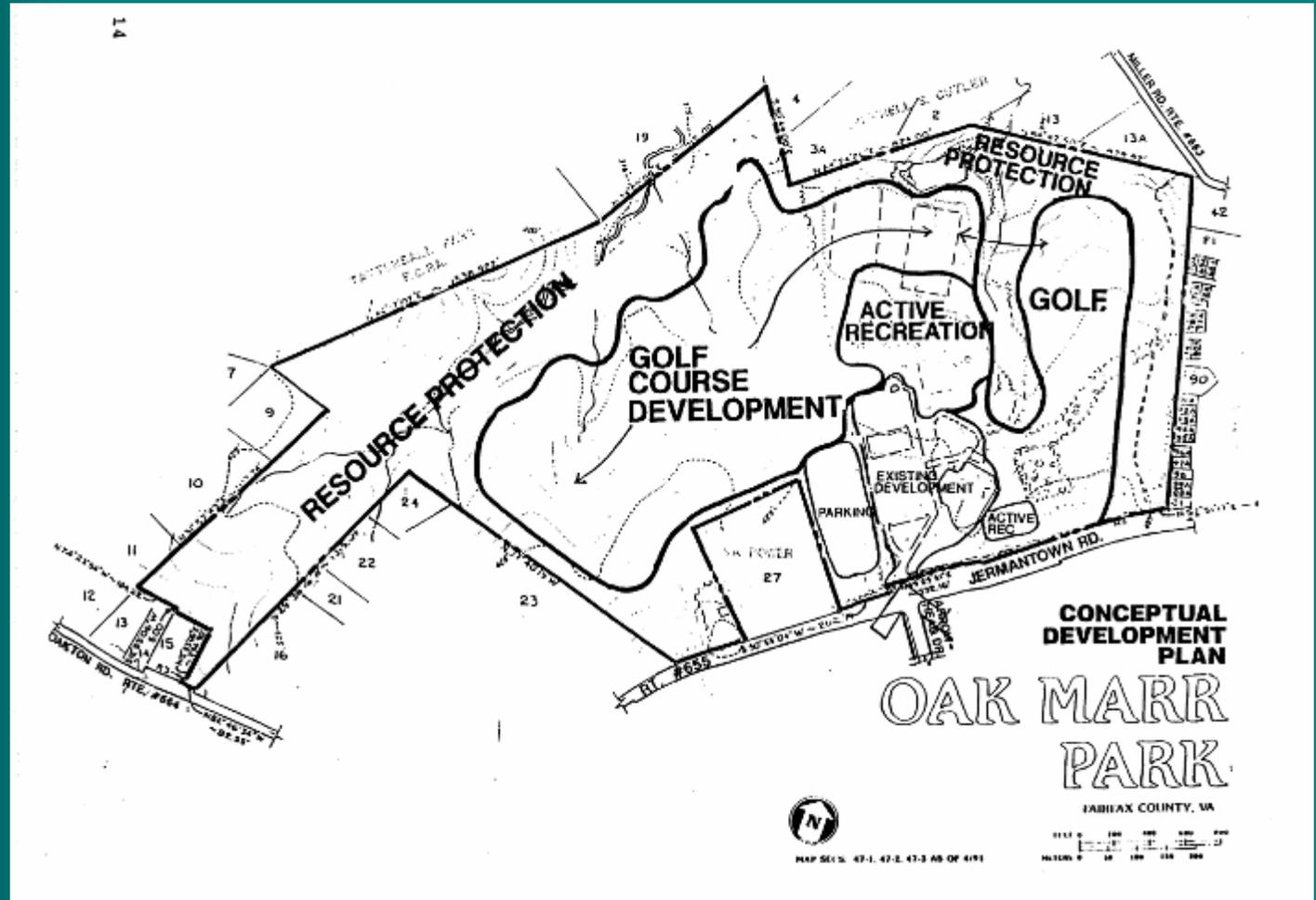
OAK
MARR
PARK

PREPARED BY
FAIRFAX COUNTY PARK AUTHORITY
PLANNING TEAM

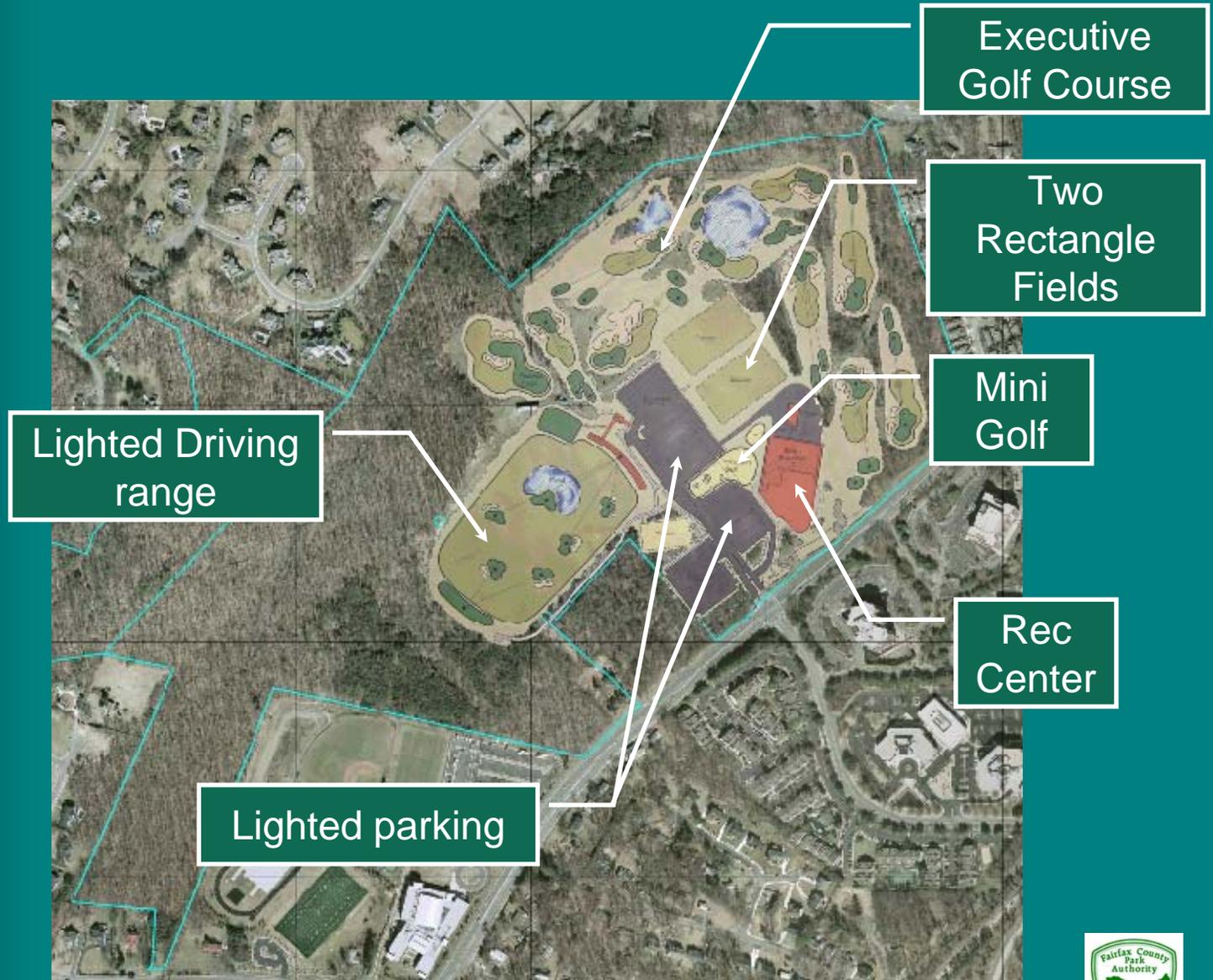
APRIL 1993



Existing CDP/Master Plan



Existing Site Development



Executive Golf Course

Two Rectangle Fields

Mini Golf

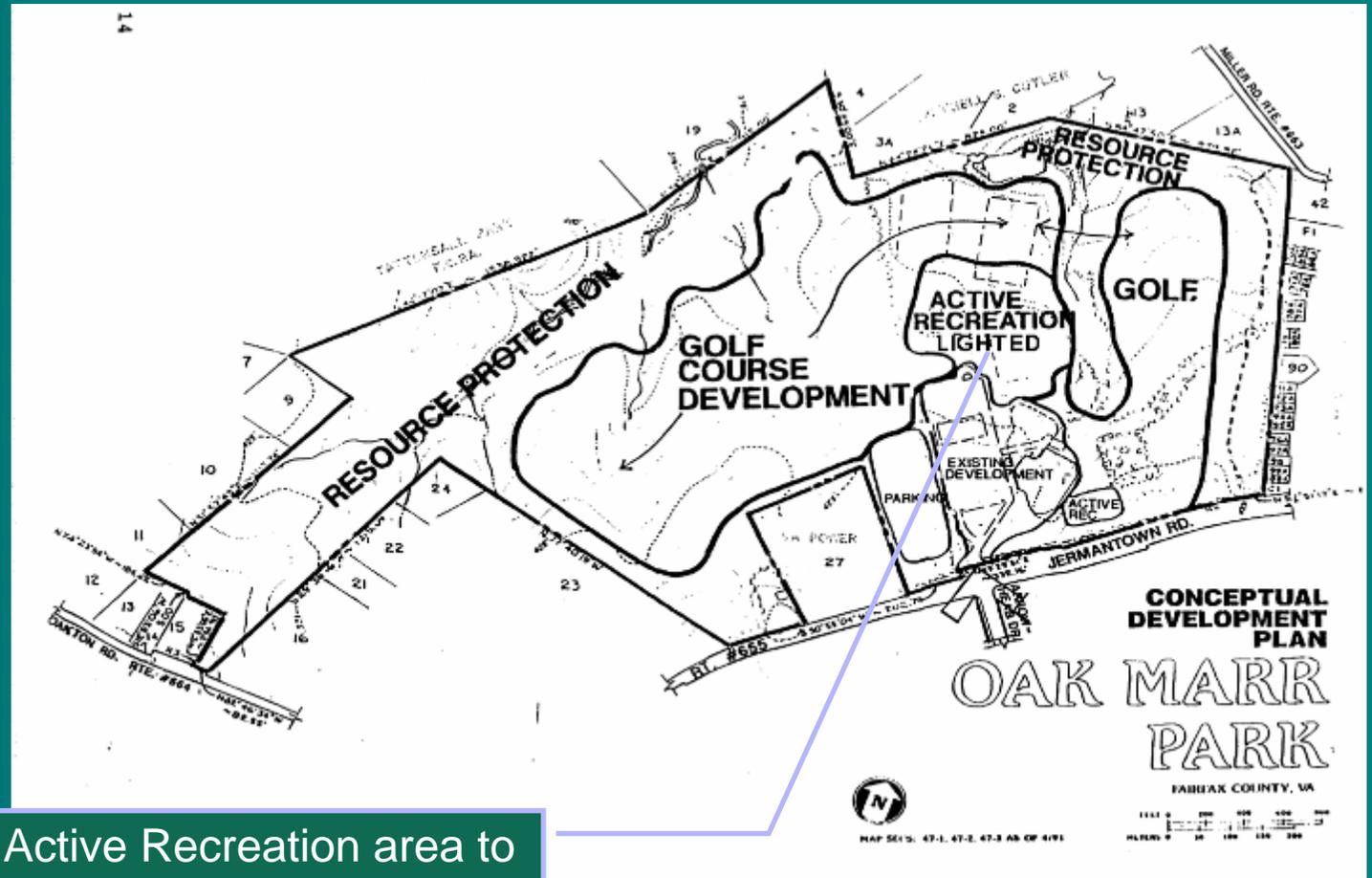
Rec Center

Lighted Driving range

Lighted parking



Amended CDP/Master Plan



Active Recreation area to be lighted



Field Lighting History

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



Field Lighting History

- **Before 1990**
 - **Light Trespass Not Considered**
 - **No Spillover Control**
 - **Wooden Poles**
- **After 1990**
 - **PA Addresses Light Trespass**
 - **Concrete Pools**
 - **Lighting Control**
 - **Early**



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 - **Concrete Poles**
 - **Lighting Control**
 - **Early**
 - **Latest**
 - **Shields**



Field Lighting History

- Lighting Controls
 - Astronomic Clock
 - 72 Pins
 - Manual Override
 - No Daylight Savings
 - Lost Power



Field Lighting History

- Lighting Controls
 - Astronomic Clock
 - LCD
 - Holiday
 - Daylight Savings
 - Override
 - Lost Power



Light System Control

- Control Link
- Satellite
- Internet-based
- Phone
- Staffed Control Center
- Field Control Units
- System Monitoring



Latest Lighting Control - Rectangle



Latest Lighting Control - Diamond

Virginia Tech Softball

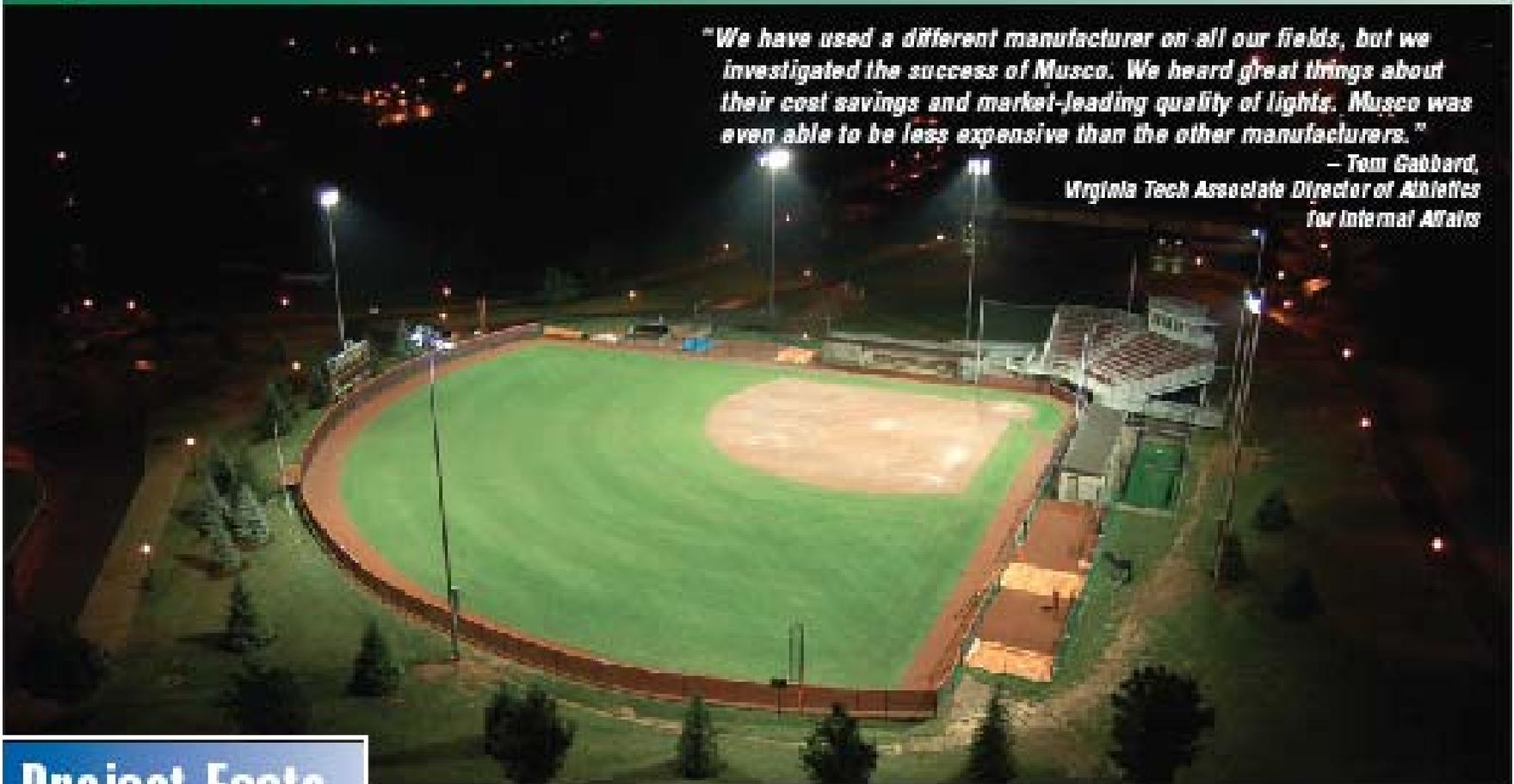
Blacksburg, Virginia

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."

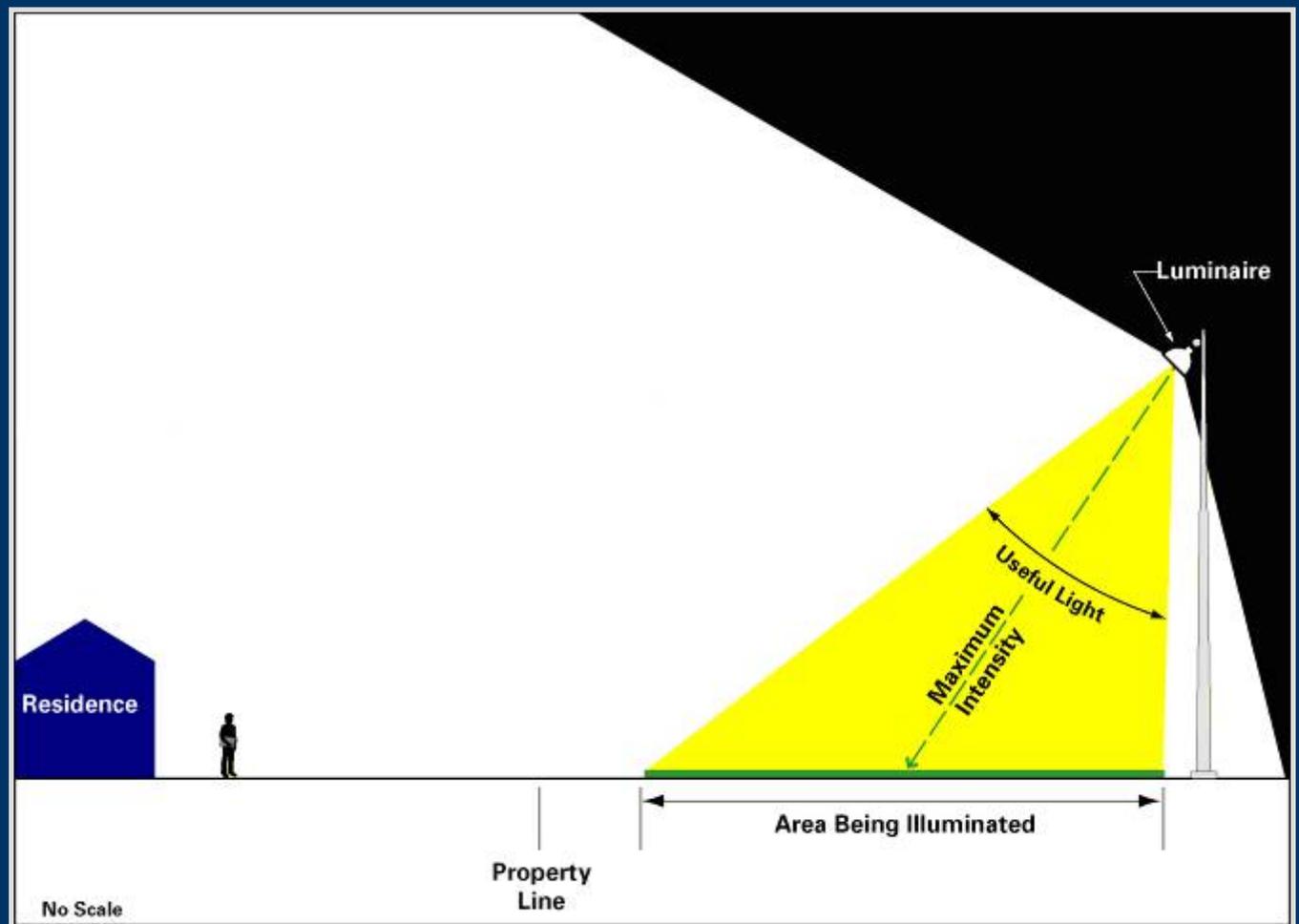
*— Tom Gabbard,
Virginia Tech Associate Director of Athletics
for Internal Affairs*



Project Facts

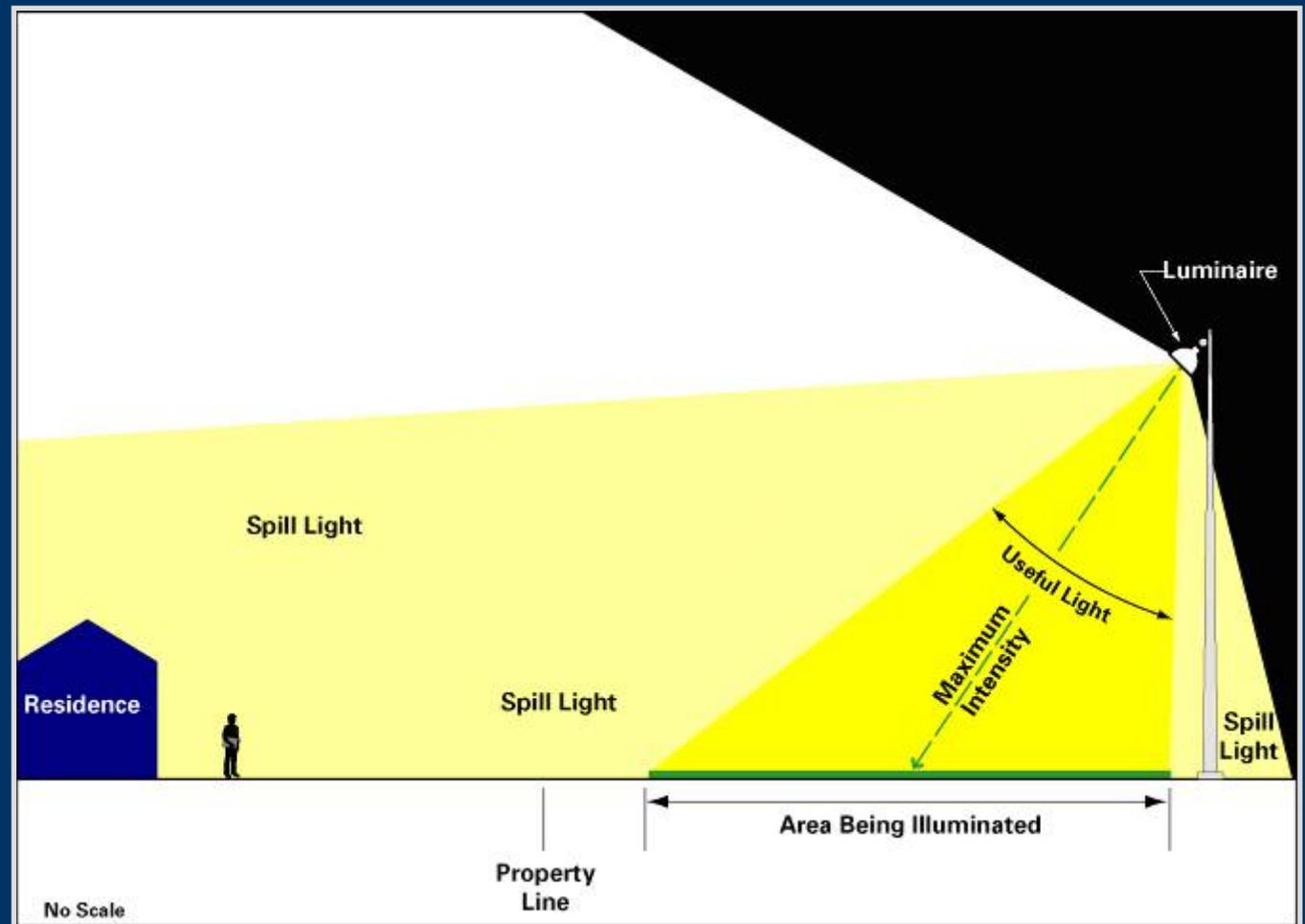
Useful Light

- Light illuminating the field



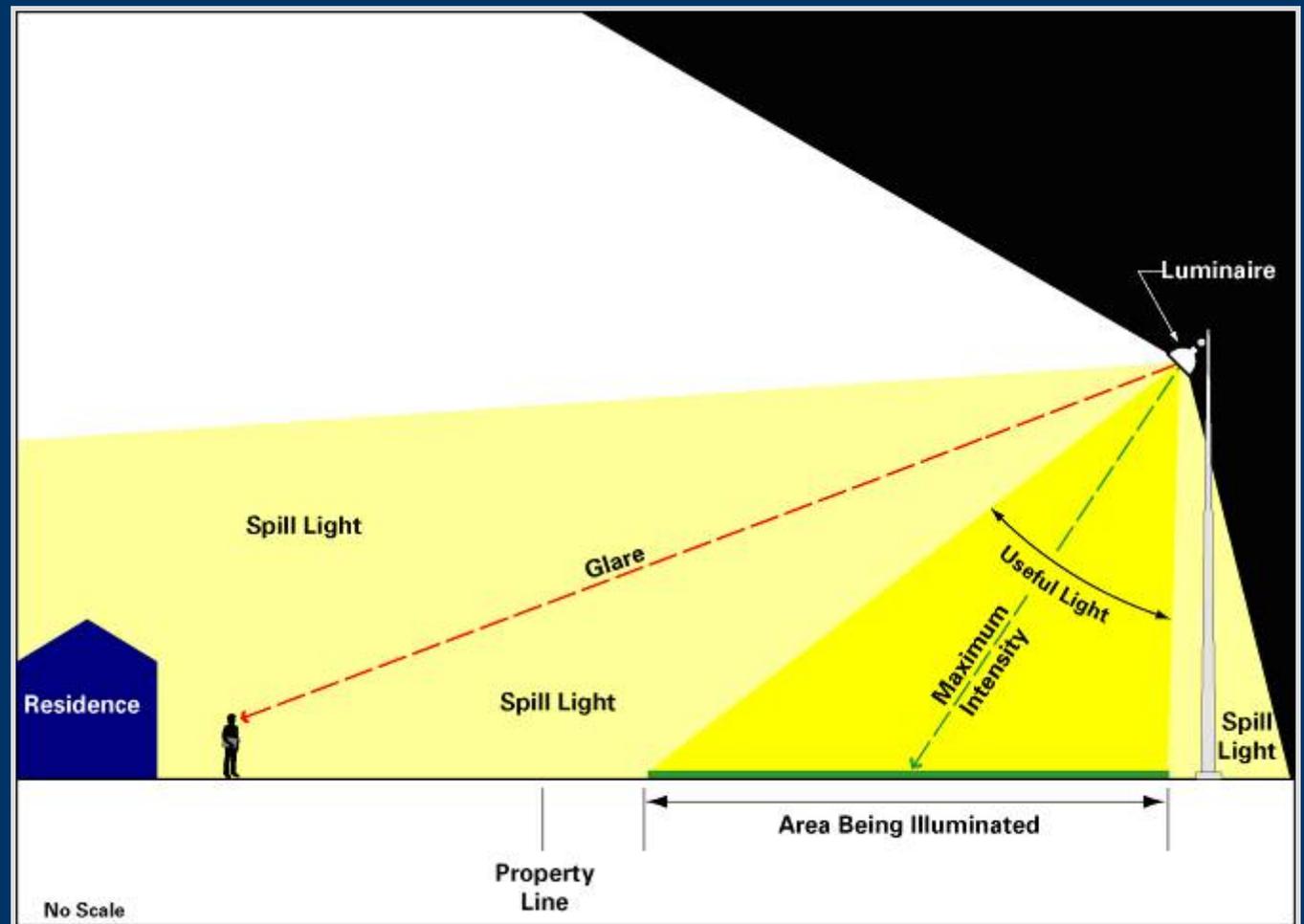
Obtrusive Light

- Light illuminating areas outside the field
- 3 Interrelated Components
- **Spill Light**



Obtrusive Light

- Light illuminating areas outside the field
- 3 Interrelated Components
 - Spill Light
 - Glare
 - Glare



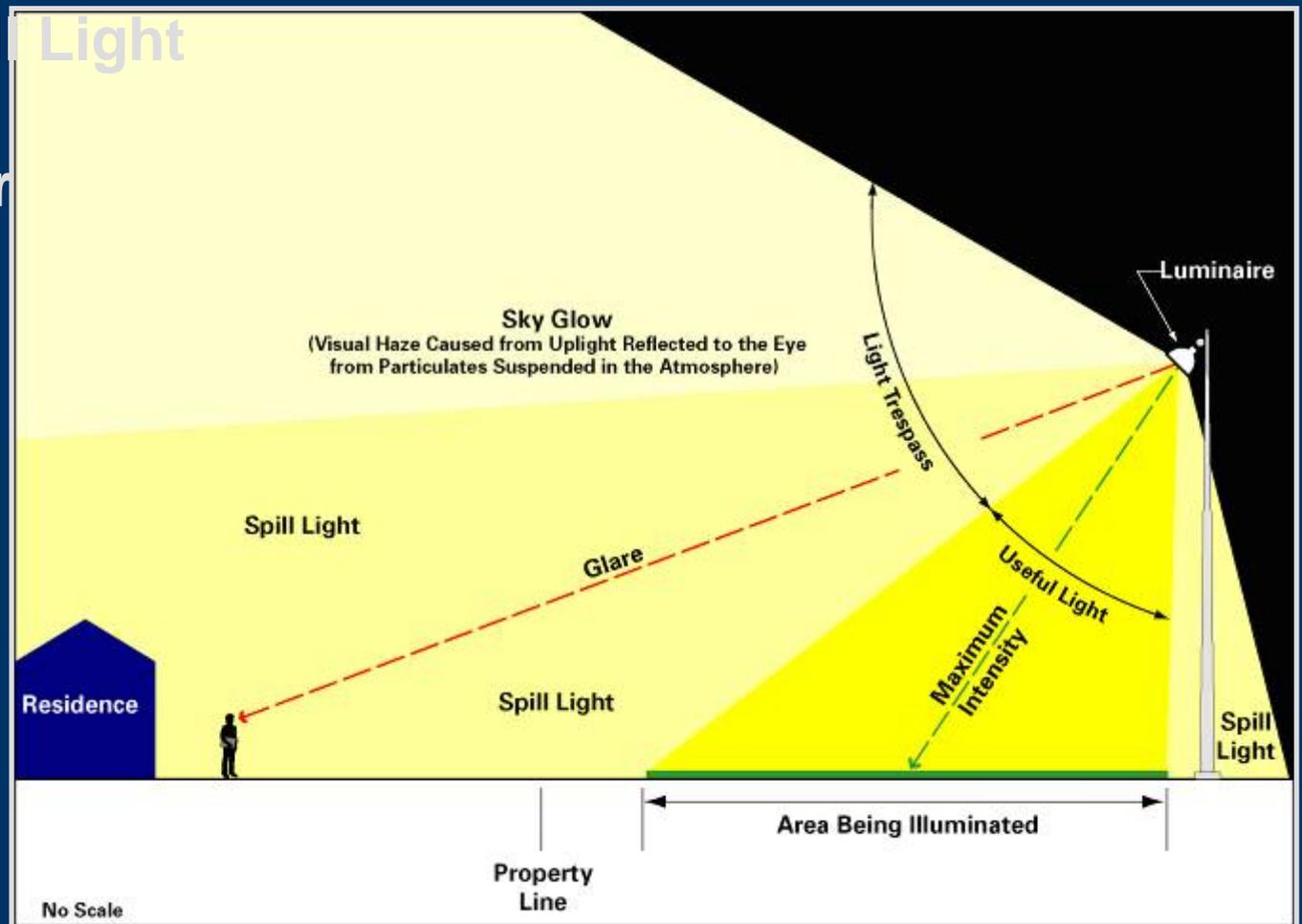
Obtrusive Light

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- 3 Interrelated Components

- Spill Light

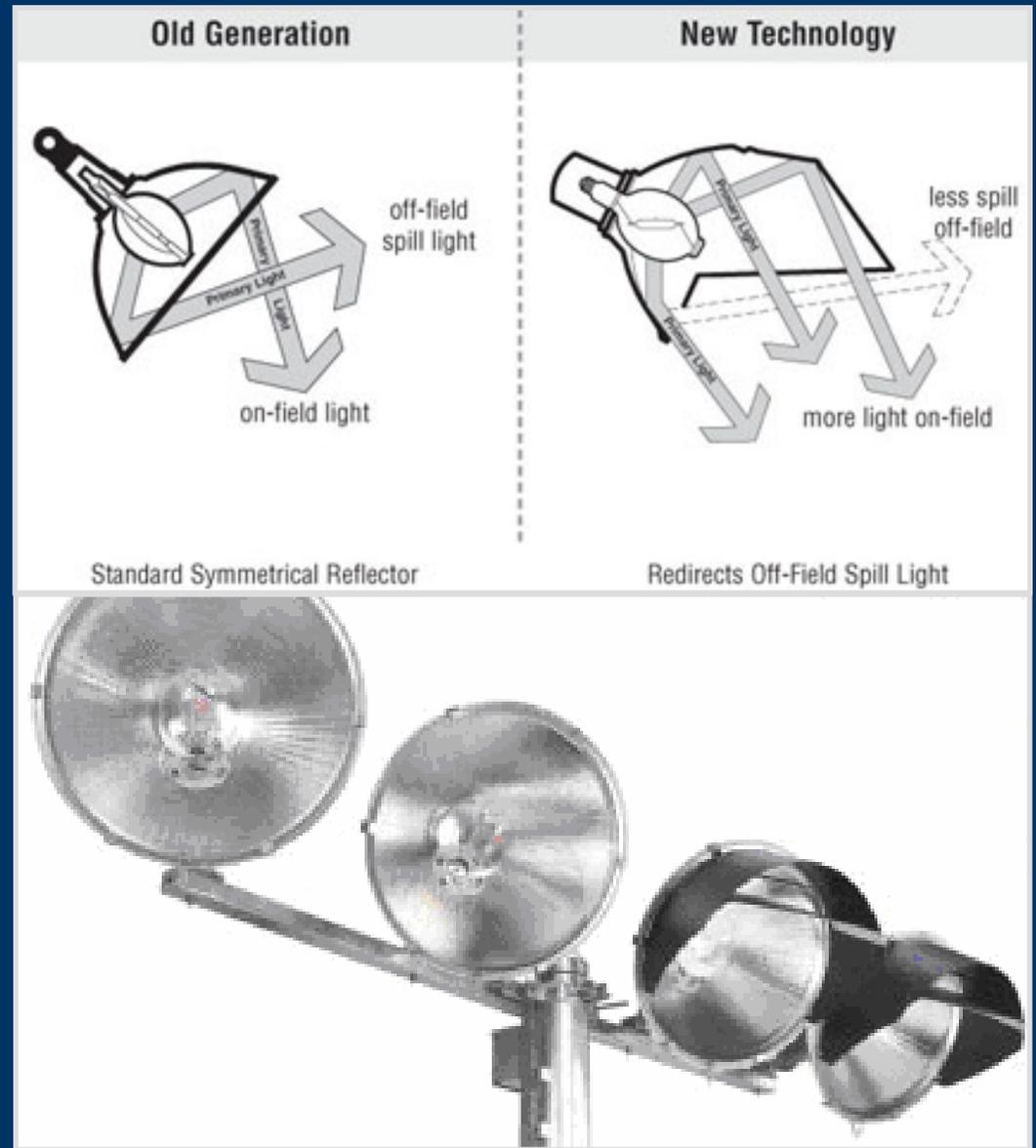
- Glare

- Sky Glow



Control of Obtrusive Light

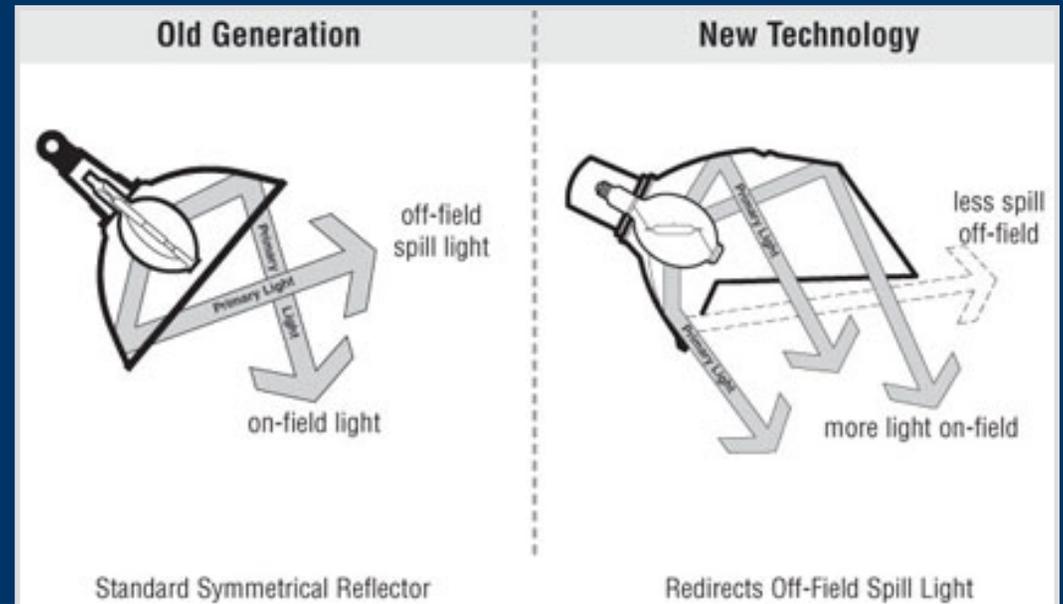
Shielded Fixtures



Control of Obtrusive Light

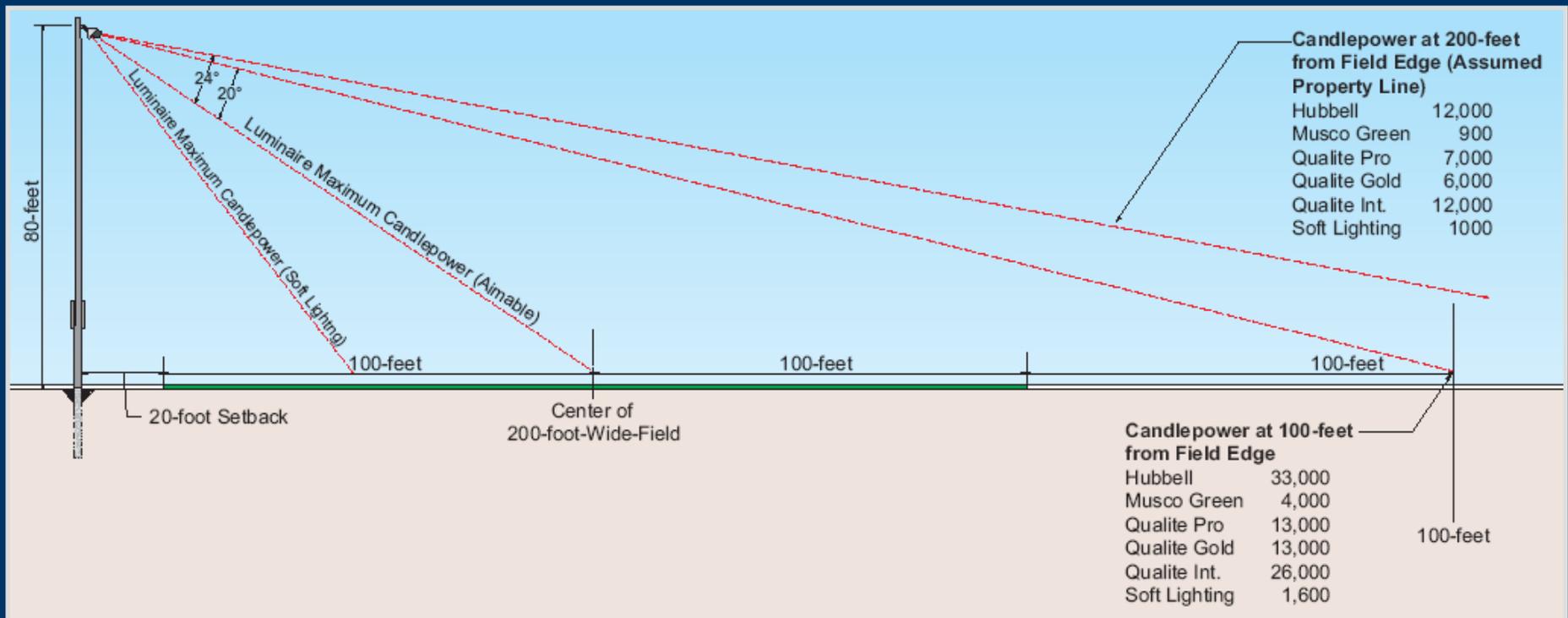
- **Shielded Fixtures**

- **Optimize Light Output**
- **Maximize Light on Field**
- **Reduces Energy Needs**



Control of Obtrusive Light

- Shielded Fixtures
- Appropriate Pole Heights
 - Downward Aiming Fixtures
 - Optimum Aiming



Field Lighting Standards

IESNA Recommended Lighting

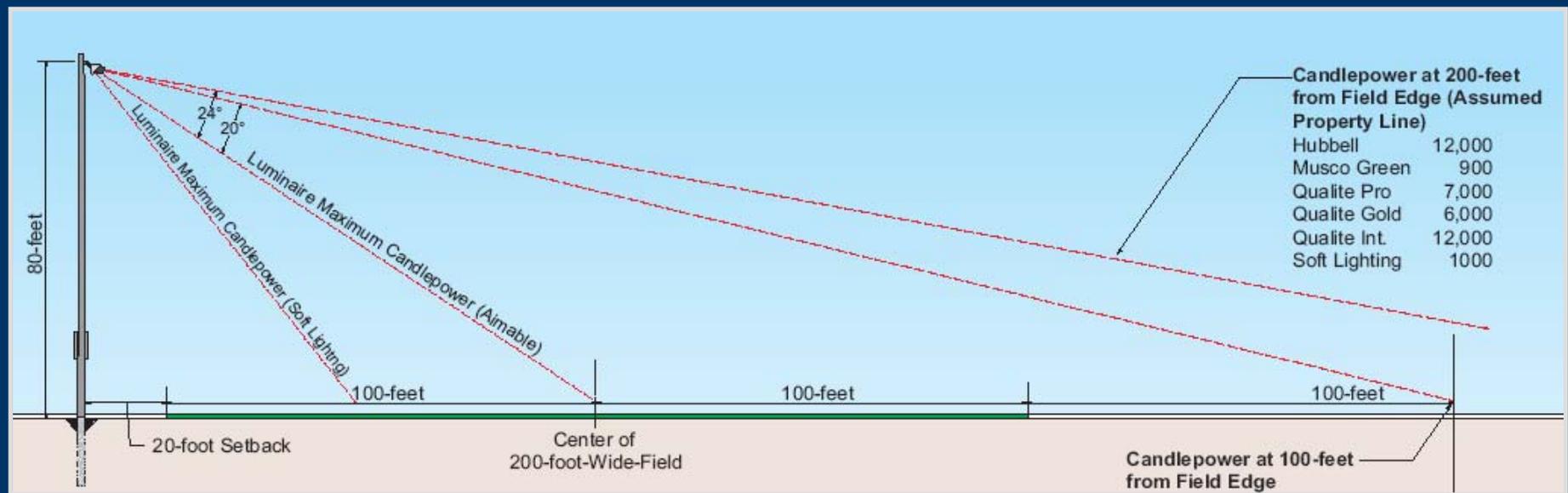
(fc) = foot candles

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 c	12,000 c

- 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



Next Steps

- **April 23** - Field Lighting Demonstration; 8:00pm @ Patriot Park
- **May 16** – Public Comment Period Ends
- **May/June** – Revise Draft
- **June** - Park Authority Board Review



Feedback

- Our website:
<http://www.fairfaxcounty.gov/parks/plandev/oakmarr.htm>
- e-mail: parkmail@fairfaxcounty.gov
- Send written comments to:
Pat Rosend, Project Manager
FCPA Planning & Development Division
Suite 406
12055 Government Center Parkway
Fairfax, Virginia 22035
- Phone: 703-324-2387

