Design Approaches to CPTED in Natural Area Parks
Case Study: Lower Kinnear Park

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Summary

I. Four Principles of CPTED
II. Lower Kinnear Park
III. Designing with CPTED
IV. Community Engagement
V. Strategies for Parks
VI. CPTED at Lower Kinnear Park
Four Principles Of CPTED

1. Access Control
2. Natural Surveillance
3. Territorial Reinforcement
4. Maintenance

CPTED
1. Access Control
   • Bollards (restricting particular uses)
   • Hedges
   • Furnishing placement
   • Fencing (play and recreation areas)
   • Gates (entries)
2. Territorial Reinforcement
   • Public vs. private ownership
   • Signs/tags
   • Trees and formal planting
   • Hardscape/paving
3. Natural Surveillance
   • Maximize visibility from adjacent buildings and roads
   • Maximize surveillance on site (activate through programming)
4. Maintenance

• Indicate care and ownership
• Address vandalism (paint over graffiti, immediately repair/replace)
• Visible presence
Lower Kinnear Park
### Lower Kinnear Park

####人口与住房

<table>
<thead>
<tr>
<th>距离</th>
<th>房屋数量 (Housing)</th>
<th>人口数量 (Population)</th>
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<tbody>
<tr>
<td>0.5 英里</td>
<td>4,683</td>
<td>6,892</td>
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<tr>
<td>3 英里</td>
<td>46,484</td>
<td>158,388</td>
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Lower Kinnear Park
Natural – physical site elements increasing or impeding surveillance

Four Principles of CPTED
Mechanical – gates, alarms, locks, bars, etc.

Four Principles Of CPTED
Access Control

Mechanical – gates, alarms, locks, bars, etc.

Four Principles of CPTED
Organized – law enforcement, crime watch, etc.

Four Principles of CPTED
Natural – windows, porches, front clutter

Four Principles Of CPTED
Natural Surveillance

Mechanical – security lighting and security cameras

Four Principles Of CPTED
Four Principles Of CPTED

Natural Surveillance

Mechanical – providing/restricting views
Natural Surveillance

Organized – patrols/staff with camera

Four Principles of CPTED
Ownership – define property lines

Territorial Reinforcement

Four Principles of CPTED
Ownership – define property lines

Territorial Reinforcement

Four Principles Of CPTED
Territorial Reinforcement

Mural Graffiti vs. Tag Graffiti – mural graffiti is artistic, time- and money-intensive; tagger graffiti is quick, legible, and cheap

Four Principles of CPTED
Furnishings – furniture, decoration

Territorial Reinforcement

Four Principles Of CPTED
Territorial Reinforcement

Furnishings – furniture, decoration

Four Principles of CPTED
Upkeep – upkeep indicates care and ownership

Four Principles Of CPTED
Schedule – regular, often, and visible

Four Principles of CPTED
Clutter – regular trash collection, appropriate storage
Maintenance

Clutter – regular trash collection, appropriate storage

Four Principles of CPTED
CPTED Handout

I. Four principles
   I. Access Control
   II. Natural Surveillance
   III. Territorial Reinforcement
   IV. Maintenance

II. Three "E"s
   I. Education
   II. Enforcement
   III. Engineering

III. Three "D"s
   I. Designation
   II. Definition
   III. Design

Designing with CPTED
Goals

I. Tell the story
II. Improve the urban forest
III. Activate the space
Engage those who will be the most affected by the project.
Include law enforcement & social services early in the process.
Seek win-win solutions by Community Engagement
viewing the community through an “asset-based” lens.
Park/Trail Users

Community Engagement
Tennis Courts

Community Engagement
Adjacent Condos

Community Engagement
Forest/Trees

Community Engagement
Park Assets

- Dog walkers
- Hill climbers/Trail users
- Tennis courts
- Adjacent senior residence
- Adjacent condos
- Quiet, naturalistic aesthetic
Target Softening vs. Target Hardening

Park should soften, not harden
Signs vs. Enforcement

Park rules should be posted but not overwhelming.

Strategies for Parks
Signs vs. Enforcement

Other signage can also be helpful (wayfinding, isolated trail, etc.), but avoid clutter.
Programming the Space

Site design and programming can encourage regular use and increase natural surveillance.
Lighting

- Perception vs. use
- Transient adaptation

Definition: The expansion and contraction of the pupil of the eye as light levels change.
Lighting

Strategies for Parks
Lighting

Strategies for Parks
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