



VISION 2020

long-range plan



**LONG-RANGE PLANNING COMMITTEE
CYPRESS-FAIRBANKS ISD**

**SECURITY
January 22, 2014**



CYPRESS FAIRBANKS
INDEPENDENT SCHOOL DISTRICT
LEARN • EMPOWER • ACHIEVE • DREAM

LONG-RANGE PLANNING COMMITTEE



AGENDA:

- Student Services & Safety
- History of the CFISD Security Department
 - Needs and Enhancements
- CFISD Security Inclusions
- School Security Today
- Crime Prevention Through Environmental Design (PTED)
- Items for Consideration
 - Costs & Priorities
- Questions?

STUDENT SERVICES - SAFETY



STUDENT SERVICES - SAFETY

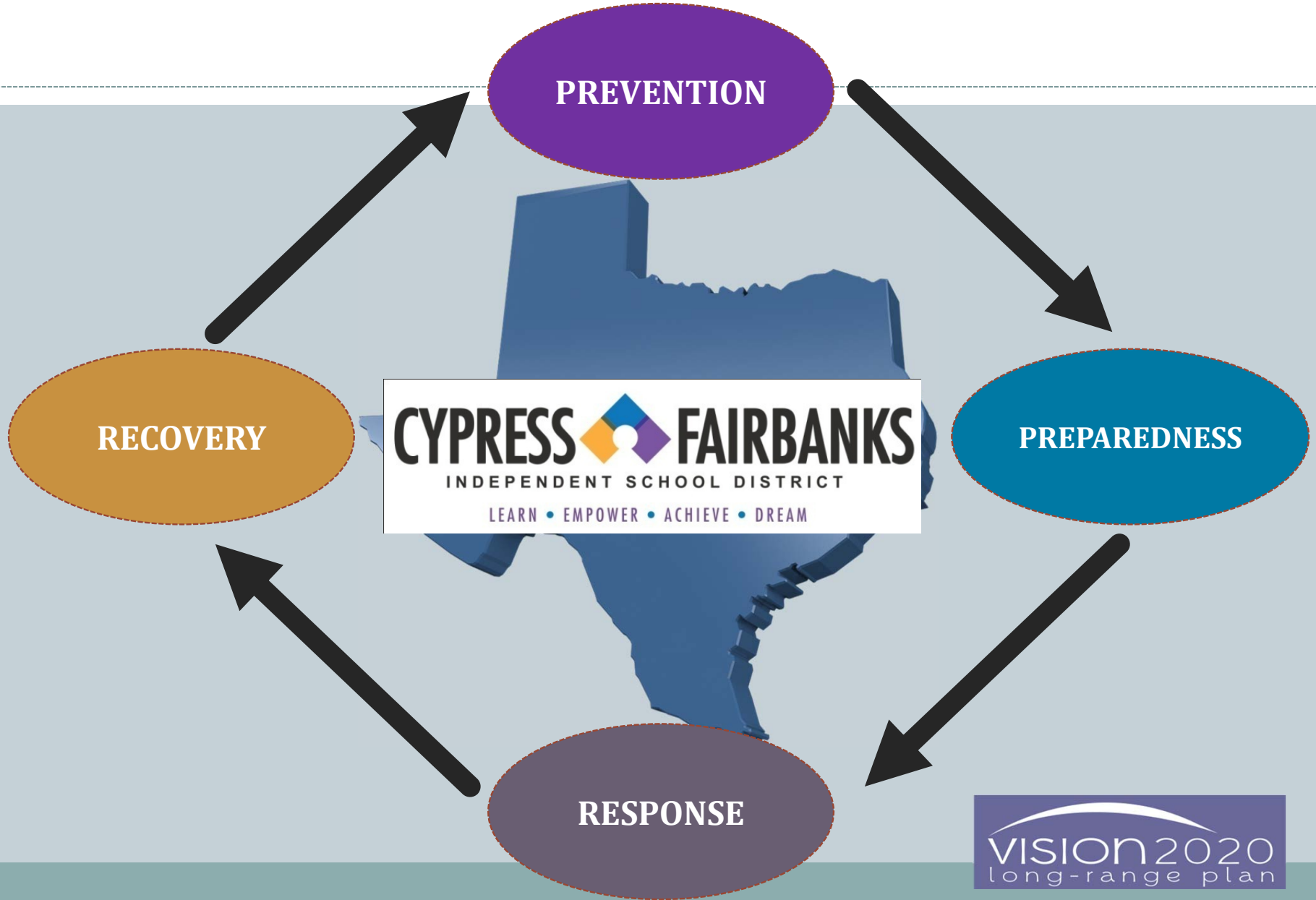
• **Training**

- *Assistant Principals*
- *Administrative Leadership*
- *Classroom Management*
- *Crisis Management*
- *Positive Behavior Interventions and Support (PBIS)*
- *Differentiated Discipline*
- *Visibility and Active Monitoring*

• **Programs and Support**

- *Alternative Learning Centers*
- *Campus/Student Safety Surveys*
- *Code of Conduct*
- *Dropout Recovery*
- *Project Safety*
- *Ripple Effects*
- *Safety Pledge*
- *School Tip-line*
- *Service for Success*

STUDENT SERVICES - SAFETY



HISTORY OF SECURITY DEPARTMENT



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HISTORY OF SECURITY DEPARTMENT



Formed in 1981

Burglar alarm systems - 1986

Fire alarm systems – 1987

Security patrol - 1987

Dispatch/Security Portables - 1987

HISTORY OF SECURITY DEPARTMENT



Contract with Precinct #4 – 1991

Camera installations began – 1997

District radio system (UHF) – 1999

Ben Bradley Security Center – 2003

Mass Communication Notification – 2014

POLICE DEPARTMENT - TRANSITION



POLICE DEPARTMENT - TRANSITION



Board approved Police Dept - 2011

Hired Command Staff - July 2012

Hired initial 19 officers - August 6, 2012

Current Police Officer Staffing - 65

POLICE DEPARTMENT - TRANSITION



Campus Security Officers (CSO's) - 7

Renovations/Addition - Security Center

*Law Enforcement
Partners: HCSO,
Pct. 4, Pct. 5, DPS
FBI, JVPD, HPD,
LSCPD*



HISTORY OF CAMPUS SAFETY DEPT



***Campus Safety Dept. created - 2011
Texas School Safety Audits, V-Soft
Fire Drills, Metal Detectors,
Student/Staff Safety, Building Codes,
Fire Marshal Liaison, HAZMAT, Homeland
Security Liaison,
District radio system (UHF) - 1999***

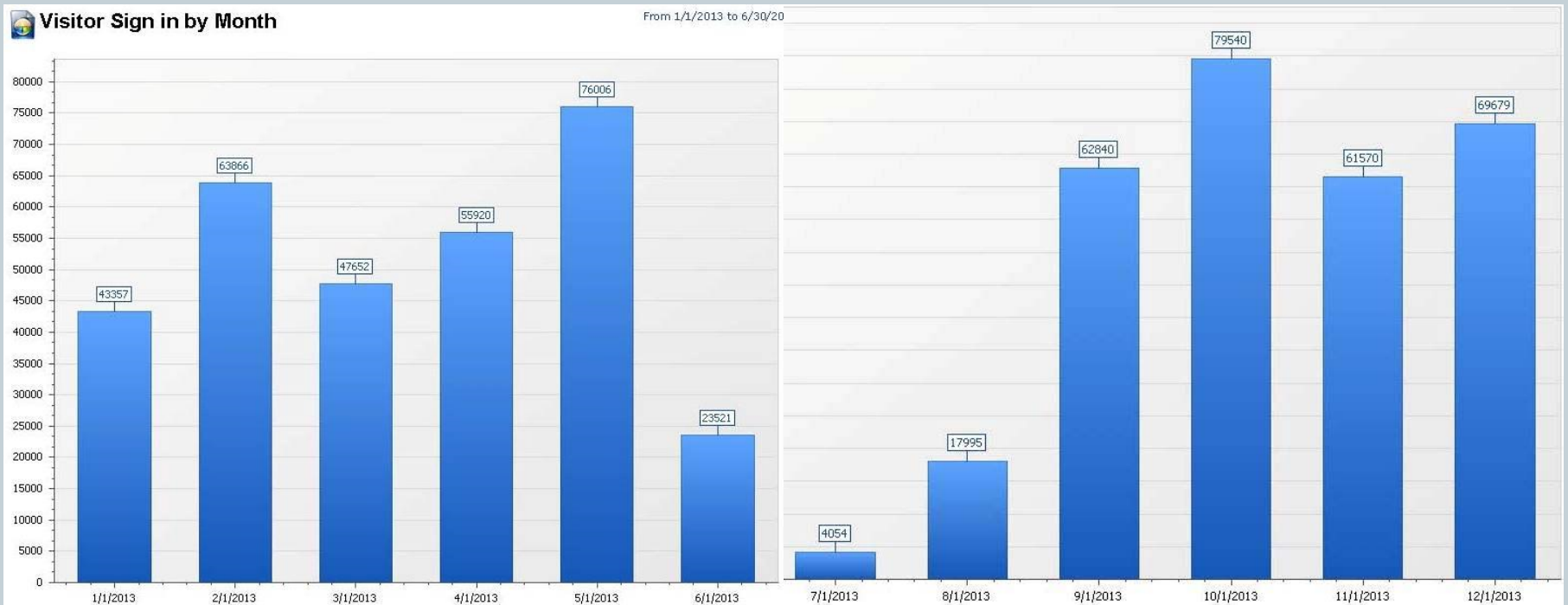
**ALL VISITORS
MUST
REPORT TO THE
MAIN OFFICE.**

**VIOLATORS MAY BE PROSECUTED
FOR CRIMINAL TRESPASS
TEXAS PENAL CODE 30.05**

**OR
TRESPASS ON**

CFISD FACILITY VISITORS - 2013

606,000



CFISD SECURITY INCLUSIONS



- **Typical Inclusions – New Schools**

- *DVR Security Cameras*
 - ✦ *96 HS, 56 MS, 24 ES*
- *Public Address Systems*
- *Intrusion Detection*
 - ✦ *Motion detectors,*
 - ✦ *Glass Breakage Sensors*
 - ✦ *Door Sensors*
- *Security Vestibules*
- *Access Controls*



CFISD SECURITY INCLUSIONS



- **Upgrades to Existing Schools**

- *Intrusion Detection*
- *Security Vestibules*
- *Access Controls*
- *OH Grilles to separate areas for after hours use*
- *Security Camera Upgrades*
 - *96 HS, 56 MS, 24 ES*



A blurred background of a school hallway with people walking. The text is overlaid on this background.

**SAFE
SCHOOLS
IT'S UP TO US**

School Security

WHEN SECONDS COUNT ...

- **Where to begin...**

- *Texas Education Code, Chapter 37*

- ✦ *Multi-Hazard Emergency Operations Plan*

- ✦ *Security Audits*

- ✦ *TEC 37.108 Required Training*

- *Drills (Lockdown, Evacuation, Shelter)*

- *Exercises (Tabletop, Joint-Training with Local Responders)*

- *Changes...both now and on the horizon*

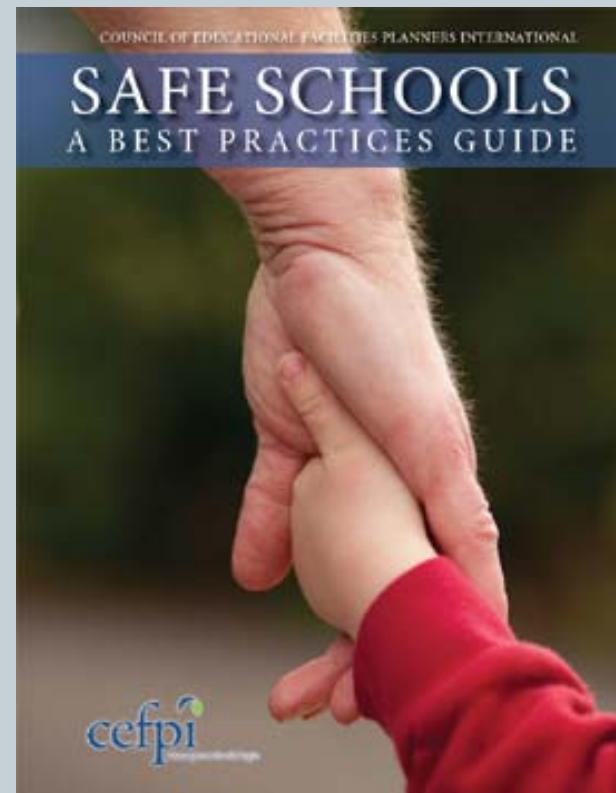
- ✦ *Protection of Texas Children Act*



SCHOOL SECURITY



- **Safe Schools: A Best Practices Guide**
 - *Staffing*
 - *Procedures*
 - *Infrastructure*
 - *Crisis Communication*



WHEN SECONDS COUNT ...



- **The Construction of Security...**

- *Infrastructure (e.g., Security Vestibules)*
- *Crisis Communications (e.g., Broad Notifications)*
- *Staffing (e.g., Campus/District -Based Law Security)*
- *Procedures (e.g., Visitor Registry)*

- **No one system is fail-safe**

- *Single Point of Failure*
- *Mitigate Known Risks*



SCHOOL SECURITY



One Approach: The Inverted Triangle



SCHOOL SECURITY



**Top of the Pyramid:
The Broad Threat**

SCHOOL SECURITY



**Middle of the Pyramid:
The Torturous Path...**

*Establishing a
Concentric Circle of
Protection*

School Security

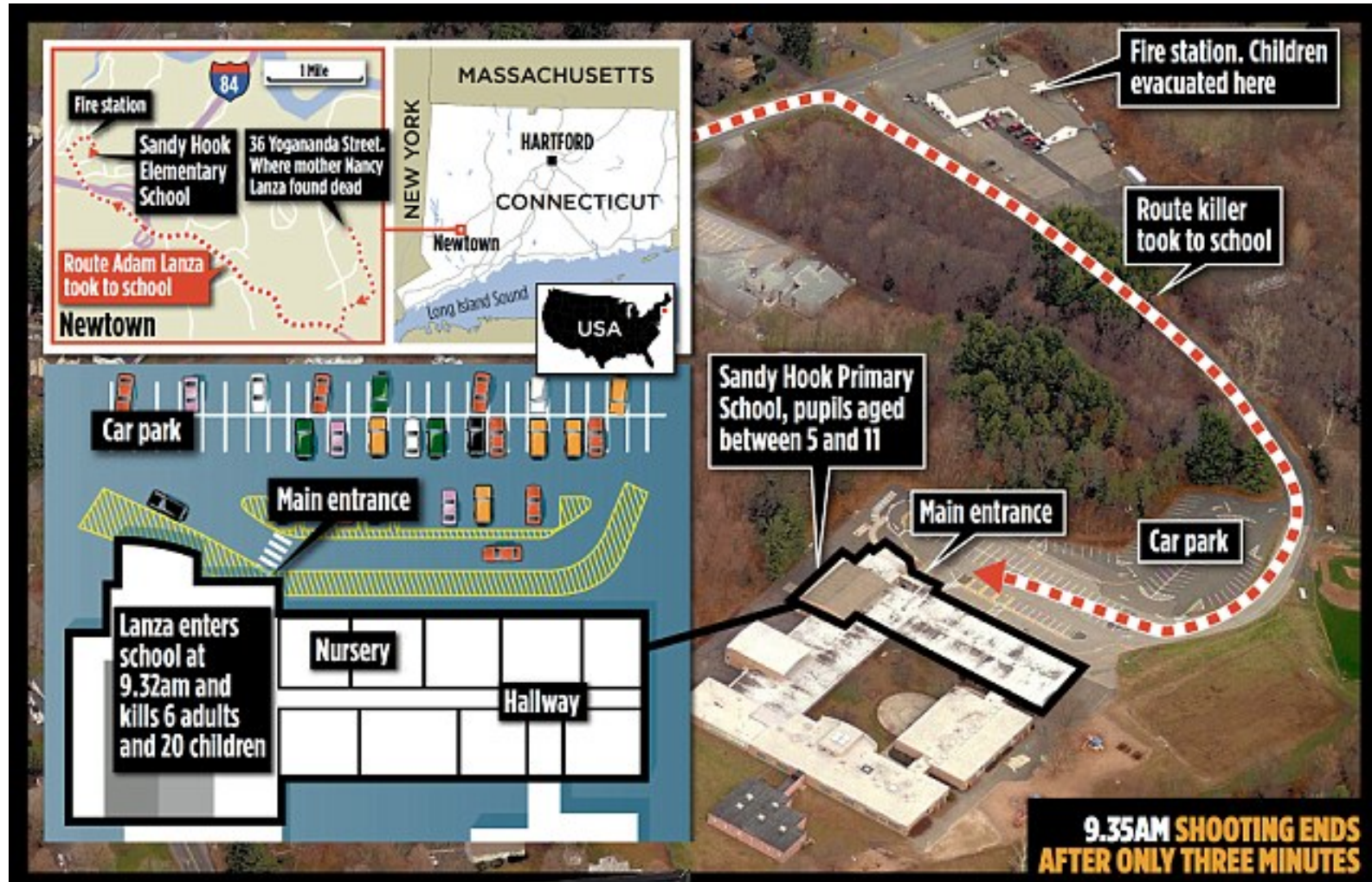


CONCENTRIC CIRCLES OF PROTECTION

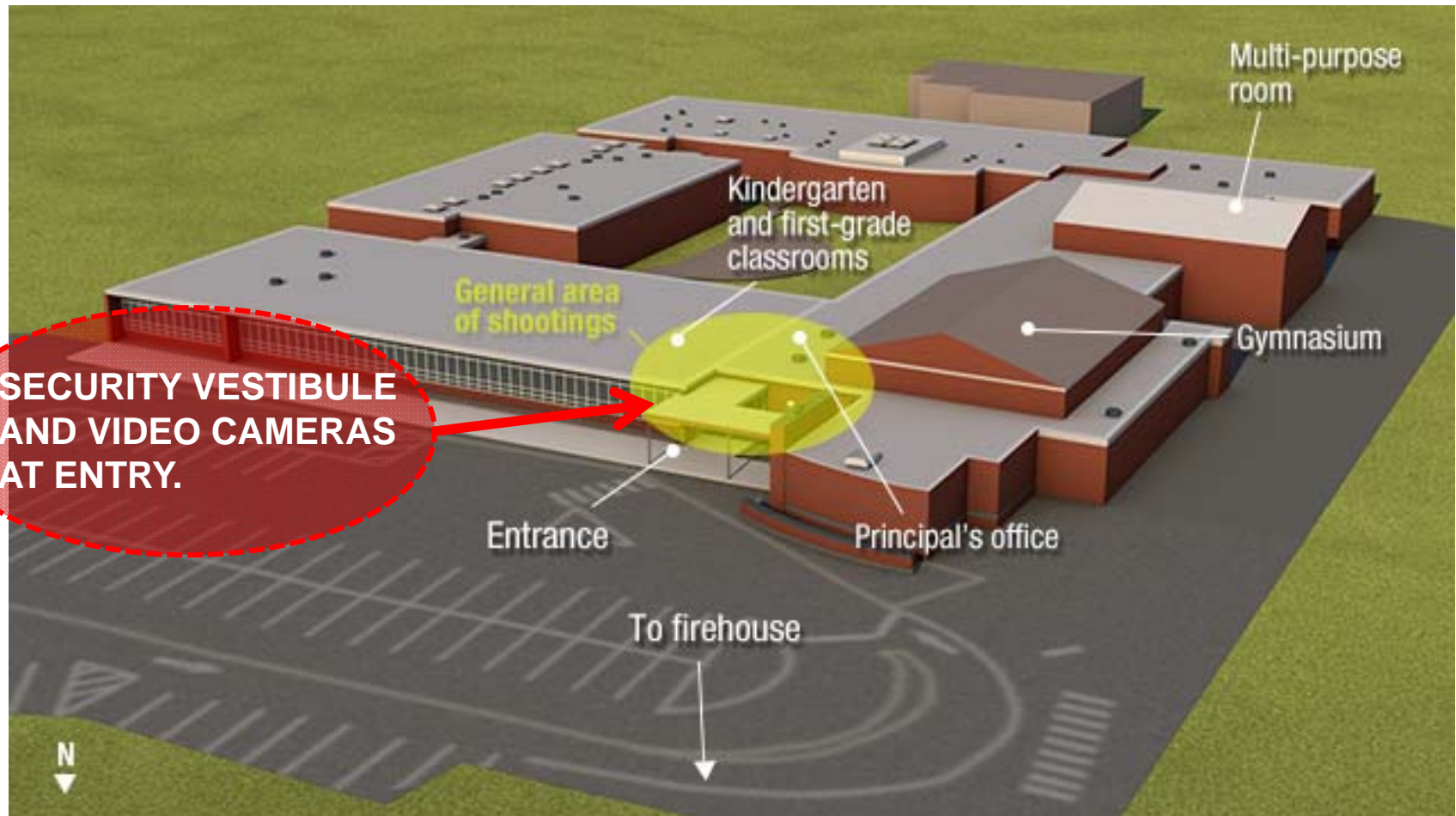
SITE
BUILDING ENVELOPE
ACCESS CONTROL
TORTUROUS PATH
TECHNOLOGY

A HOLISTIC APPROACH

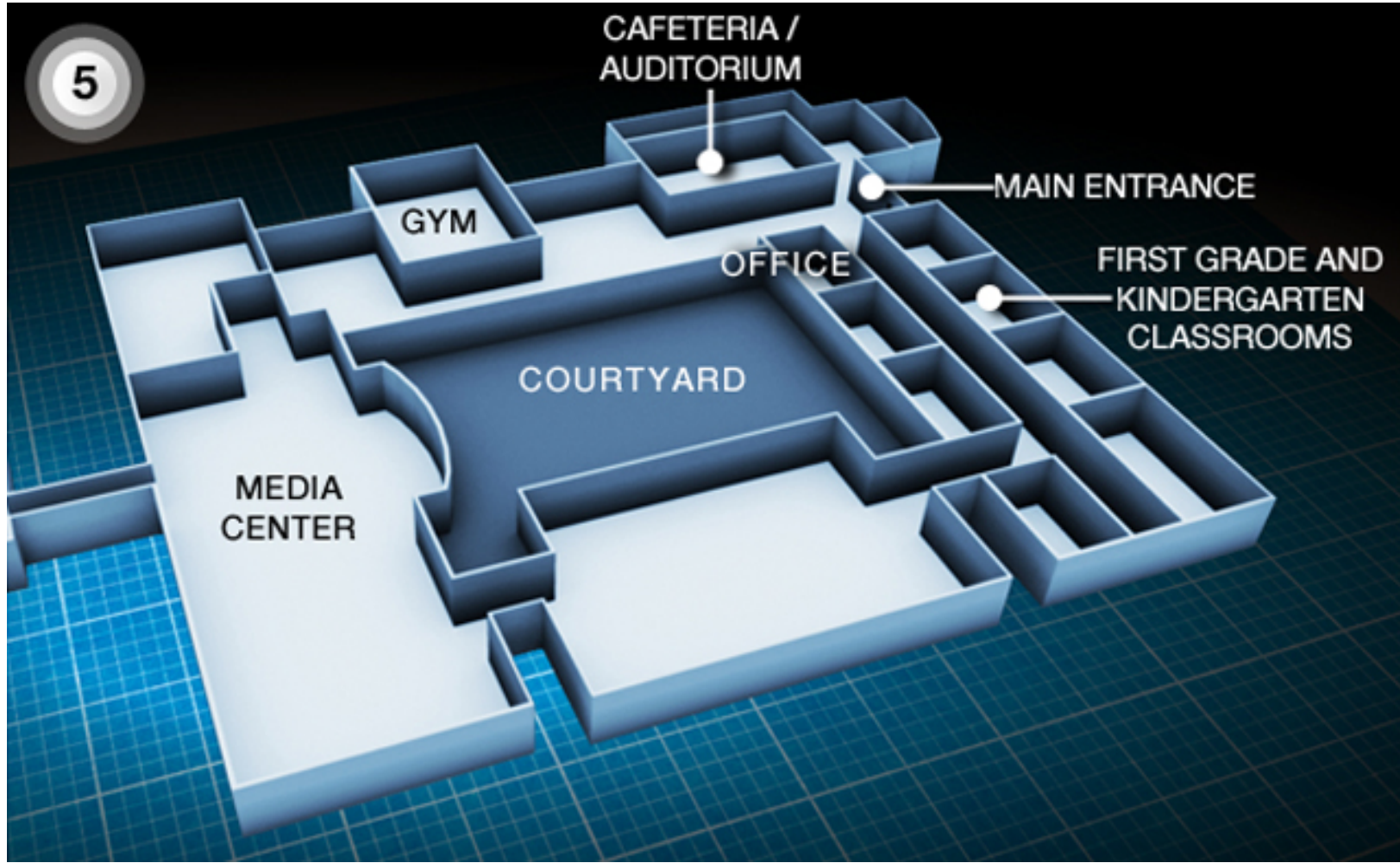
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CPTED

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BUILDING DESIGN + CONSTRUCTION
January 2014
Inspiring the Building Team
Special Three-Part Report
CAN DESIGN PREVENT ANOTHER SANDY HOOK?
SGC HORIZON
CONSTRUCTION SOFTWARE

special report – part one
DESIGNING FOR SCHOOL SECURITY

can design prevent another Sandy Hook?

NO. BUT IT COULD SAVE LIVES.
OUR EXPERTS SHOW YOU HOW.

BY ROBERT CASSIDY, EDITORIAL DIRECTOR

What can Building Teams do to prevent another tragedy like the one that befell Newtown, Conn., on December 14, 2012, when 20 second-graders and six adults were killed at Sandy Hook Elementary School? Some would say nothing—that it's impossible to stop an armed madman who is hell-bent on killing and willing to die.

"It's a raw fact that if someone wants to hurt kids in a school, the likelihood is that they'll have success," says Pat Lamb, Director of Security & Operations, Irving (Texas) Independent School District, who oversees security for 35,000 students and 4,500 staff in 38 buildings. "You have to have the processes, infrastructure, and people in place to thwart the aggressor and mitigate the damage."

TOM BRADY

www.BDCuniversity.com

BUILDING DESIGN+CONSTRUCTION

JANUARY 2014 21

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SCHOOL SECURITY

Crime Prevention through Environmental Design



*The basis of **CPTED** is proper design and effective use of the built environment can reduce incidents and fear of crime.*

SCHOOL SECURITY



The *Four* Principles of CPTED are

- *Natural Surveillance*
- *Natural Access Control*
- *Territorial Reinforcement*
- *Maintenance and Management*

SCHOOL SECURITY



NATURAL **SURVEILLANCE**

The fundamental premise that criminals do not wish to be observed.

- *Lines of Sight*
- *Strategic management points*
- *Flow of activities-routes*
- *Technology*

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NATURAL ACCESS **CONTROL**

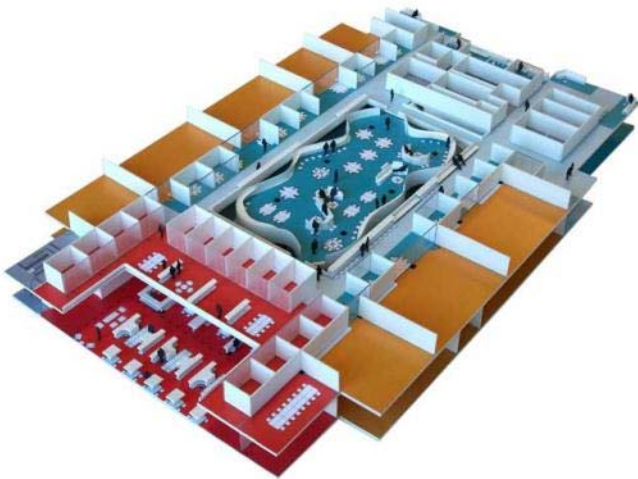
Purpose:

Keep unknown or unauthorized persons in a location where they can be observed or directed to “Control points.”

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NATURAL ACCESS **CONTROL**

Relies more on physical
strategically located:



- *Fences/ Gates*
- *Entrance (public and private)*
- *Doors*
- *Landscape*
- *Sidewalks*

SCHOOL SECURITY

TERRITORIAL **REINFORCEMENT**



- *Clear boundaries between public and private areas*
- *Good signage*
- *Good maintenance*
- *Landscaping/walks*
- *Good Management (obvious points)*

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MAINTENANCE AND MANAGEMENT



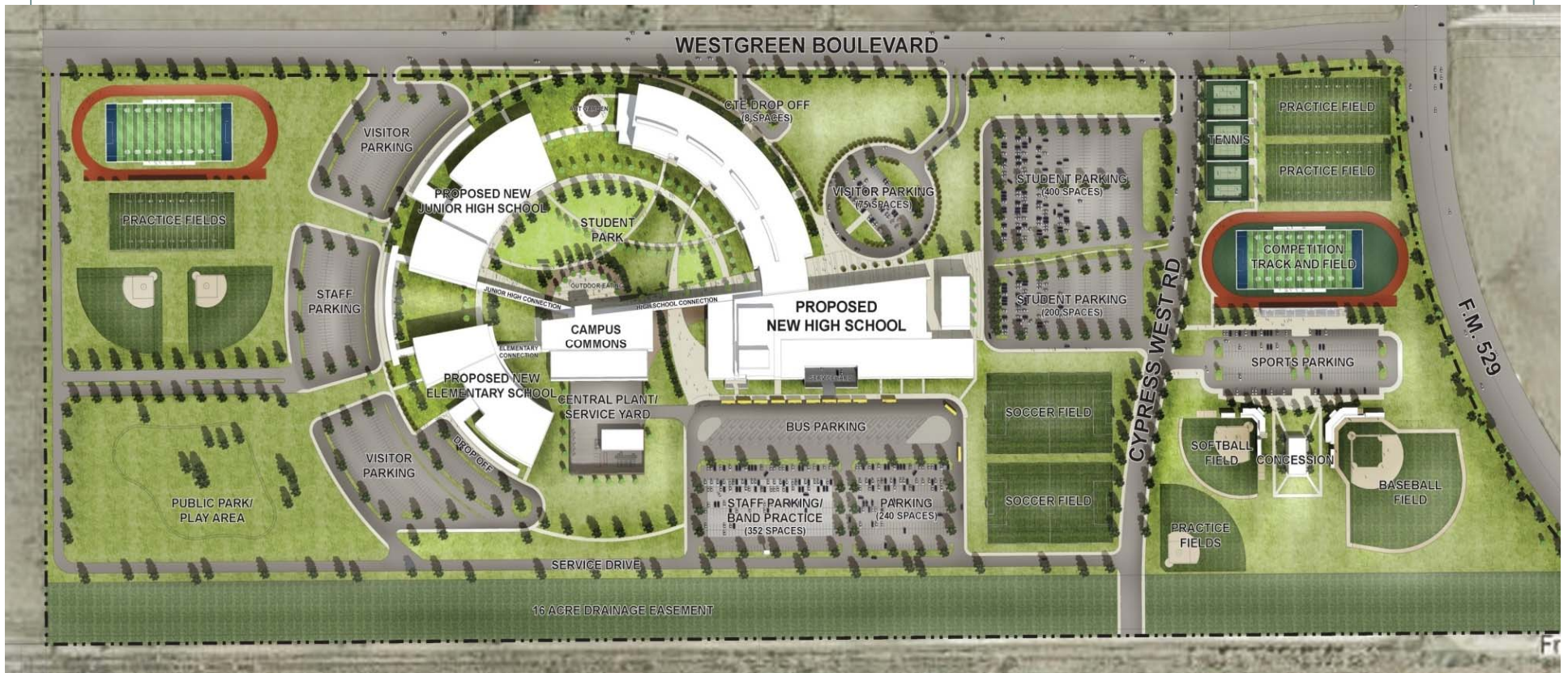
“Sense of Pride” in our Place

- *Clean*
- *Identity is positive*
- *Morale of staff*
- *Spatial Definition (Public and private)*
- *Obvious “Check Points” (Management by key staff)*

SCHOOL SECURITY

CFISD HS #11 – Safety Features

“Creating Natural Barrier”





Items for Consideration

NEEDS AND ENHANCEMENTS



Security Vestibules/Video – All Sites

Standalone Emergency Call Boxes

Additional Cameras – All Campuses

District-wide digital radio system upgrade

COMPARABLE ISD CAMERA STATISTICS



CFISD currently has 3,950 cameras

Houston ISD: 12,700

Northside ISD: 6,200

Dallas ISD: 5,156

Austin ISD: 3,700

CFISD SECURITY



Recommended New CFISD

Security Standard :

- Increase Camera Count at Campuses:
 - *34 - Elementary School*
 - *76 - Middle Schools*
 - *136 - High Schools*

CURRENT COMMUNICATIONS LIMITATIONS



- **Current**

- *Radio system in place over 10 years, actual tower age unknown*
- *Must provide site support (air/auxiliary power)*
- *Current single tower has weight limitation*
- *No redundancy or backup*
- *Leased from County with 30 day vacate*
- *No future growth potential*



COMMUNICATIONS UPGRADES

- **Upgrades**

- *Site owned and maintained by district*
- *Redundancy of system*
- *Multiple tower placement/smaller footprint, strategically placed around the district*
- *Increases repeater capacity from one to two, allowing for future growth*
- *Increase District Police communications needs and local responders*
- *Transition from Analog to Digital system*



MOVE TO DIGITAL COMMUNICATIONS



- **Advantages**

- *Digital repeater system can accommodate two channels instead of one*
- *Digital system provides clear, clean, less static voice communications*
- *Extended battery life on hand held radios*
- *Bluetooth / GPS functionality and features already built into the radios (mobile and handheld)*
- *Law Enforcement / Fire Departments have transitioned or in the process of transitioning to digital communications*

ITEMS FOR CONSIDERATION



- **Priority 1**

- ✦ *Replace Intrusion Detection Panels at all Facilities*
- ✦ *Provide Video Cameras at Front Entry with Buzzer Door Release*
- ✦ *Provide Security Vestibules (50 Schools)*
- ✦ *Upgrades to Existing Closed Circuit TV system*
- ✦ *Replace Obsolete Security Camera System DVR*
- ✦ *New Towers for Digital Migration – Communications, Transportation & Security*

- **TOTAL: \$15,894,241.62**

ITEMS FOR CONSIDERATION



- **Priority 2**

- ✦ *Provide Stand Alone Emergency Call Phones*
- ✦ *Provide Additional Card Readers*
 - 15 per HS, 10 per MS, 5 per ES
- ✦ *Replace Analog Closed Circuit TV Cameras with Digital*
- ✦ *Provide Additional Closed Circuit TV Cameras and DVR*
- ✦ *Install Lockdown Panic Buttons at Strategic Locations at all Schools*
 - 9 per HS, 6 per MS, 3 per ES
- ✦ *Provide Additional Security Cameras*
 - 40 per HS, 20 per MS, 10 per ES

- **TOTAL: \$33,588,920.49**

ITEMS FOR CONSIDERATION



- **Priority 3**

- ✦ *Provide reinforced / bullet resistant glass at front entry doors and exterior windows*
- ✦ *Provide self closing / self latching gates*
- ✦ *Provide after hour separation of cafeteria*

- **TOTAL: \$5,860,140.89**

ITEMS FOR CONSIDERATION



- **Priority 4**

- ✦ *Future Addition to Existing Security Center for Future Growth*
- ✦ *New Security Annex in South Side of District*

- **TOTAL: \$10,391,817.64**

ITEMS FOR CONSIDERATION



- **Grand Total**

- *District Wide Initiatives and
Priorities 1, 2 and 3:*

Total: \$55,343,303

THE FACILITIES ASSESSMENT PROCESS



Questions?



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