

A decorative graphic on the left side of the slide, consisting of a network of orange lines and circles that resemble a circuit board or a data network. The lines are vertical and horizontal, with small circles at various points, creating a grid-like structure.

CAMPUS WIDE FIRE ALARM SYSTEM UPGRADE

INFORMATION SESSION

FIRE ALARM SYSTEM UPGRADE

- Project Objective:

- Upgrade and Modernize Campus Wide Fire Alarm System

1. Replace Front End (Central Monitoring Servers) Hardware and Software
2. Replace Remote Monitoring Stations
3. Replace Fire Alarm Control Panels in all Buildings
4. Replace Fire Alarm Devices Where Required
5. Install Fiber Optic Network for Communications to Connect all Buildings

FIRE ALARM SYSTEM UPGRADE

- What is a Fire Alarm System and What Does it Do

- Fire Alarm System has Various Devices and Control Panels in Buildings working together to Detect and Warn People of Smoke, Fire, and Carbon Monoxide Presence.
- Devices are Connected to Control Panels in Each Building
 - Smoke Detectors, Heat detectors, Carbon Monoxide detectors, Pull stations, Horns/Strobes etc.
- Control Panels from each Building are Connected to Central Monitoring (Front End) Through Underground Cable Infrastructure
- Front End is monitored 24/7 by Campus Police and can also be accessed at Central Utilities Plant

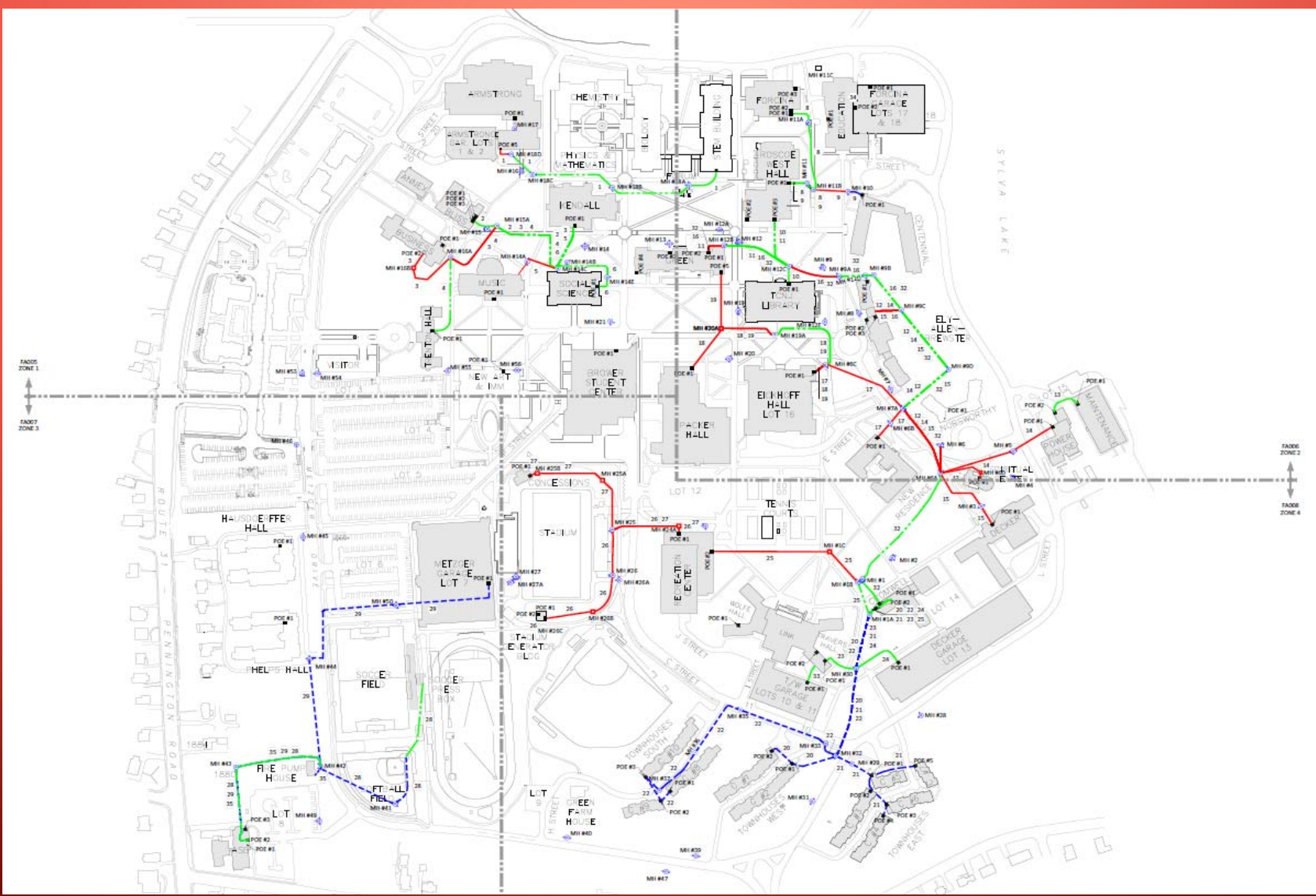
FIRE ALARM SYSTEM UPGRADE

- Why are we Upgrading the Existing System
 - Fire Alarm Systems Consist of: Various Devices, Control Panels and Front End Servers
 - Front End Servers are from the 90's and operate on Windows 98 Platform
 - Building Control Panels are approaching the End of their Life and need Replacement
 - Replacement Parts are limited availability or not available in some cases
 - Building Panels are Connected to Front End Through Copper Cabling, which is older technology
 - Modern Systems will not Work with Copper Cabling and Require Fiber Optic Network
 - Upgraded system will be more redundant
 - Allows systems to be brought up to more recent codes

FIRE ALARM SYSTEM UPGRADE

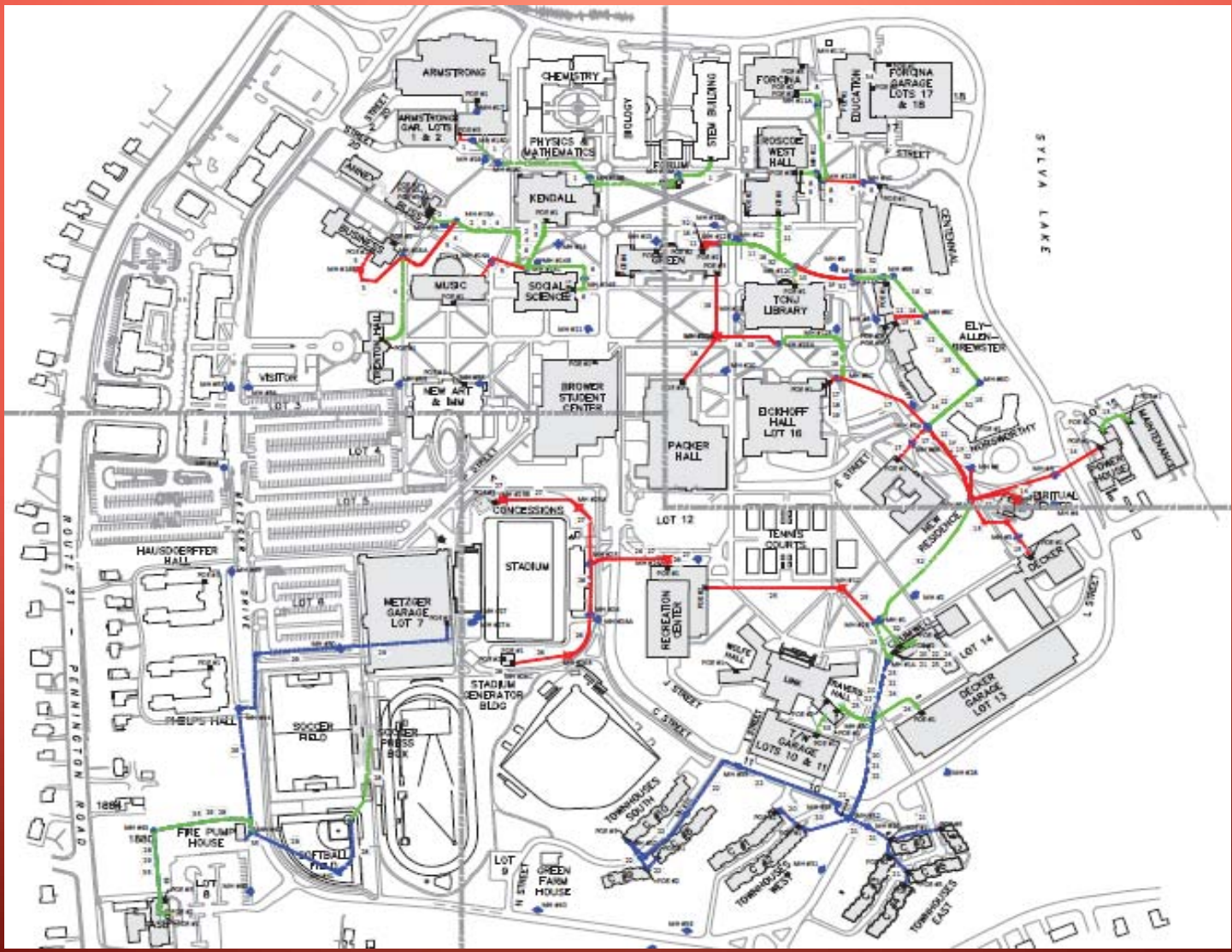
- How will the Project Affect Me

- Project Impacts all Buildings on Campus (40+7)
 - Control Panel Replacements in Each building
 - Some Buildings May Require All Device Replacements
 - Fiber Optic Cable Installation Inside Buildings to connect to Control Panels
 - Fire Alarm Impairments
- Project Impacts All Campus Outdoors
 - Excavation to Install new Fiber Optic Cable Infrastructure Between Buildings
 - Walkway and Road Closures



FACTOR ZONE 1
FACTOR ZONE 3

FACTOR ZONE 2
FACTOR ZONE 4



FIRE ALARM SYSTEM UPGRADE

- How Long Will it take to Complete the Project:
 - Project is Expected to Take 2 to 3 Years to Implement
 - Underground Work will be Completed During the First Year
 - Front End and Control Panels will Also be Installed in First Year
 - Device Replacements (Where Needed) will Take 2 to 3 Years to Complete
 - Schedules will be Developed on Priority Basis
 - Student Class schedule and Dorm Residence Will be Taken into Consideration While Scheduling installations inside the Buildings

FIRE ALARM SYSTEM UPGRADE

- **Construction Priority:**

1. Fiber Optic Cable Installation (Connects all Building FA Communications to Front End)
 - Use Existing Underground Conduit where available
 - New Underground Duct Banks (Conduits) where needed
2. Replace Front End Hardware and Software
3. Replace Fire Alarm Control Panels in all Buildings
 - Buildings will be Prioritized based on the Age of System in the buildings and Fiber Availability
4. Replace Devices in Buildings Where Needed

FIRE ALARM SYSTEM UPGRADE

- System testing:

1. All New Systems will be Tested Prior to Activation
2. Old and New System will Work in parallel until all Buildings on old System are decommissioned and transferred to New System.
3. Project Completion - 2023

FIRE ALARM SYSTEM UPGRADE

- Questions: