

STANDARDS OF COVERAGE
ASSESSMENT

VOLUME 2 OF 2: MAP ATLAS

CITY OF MERCED, CA

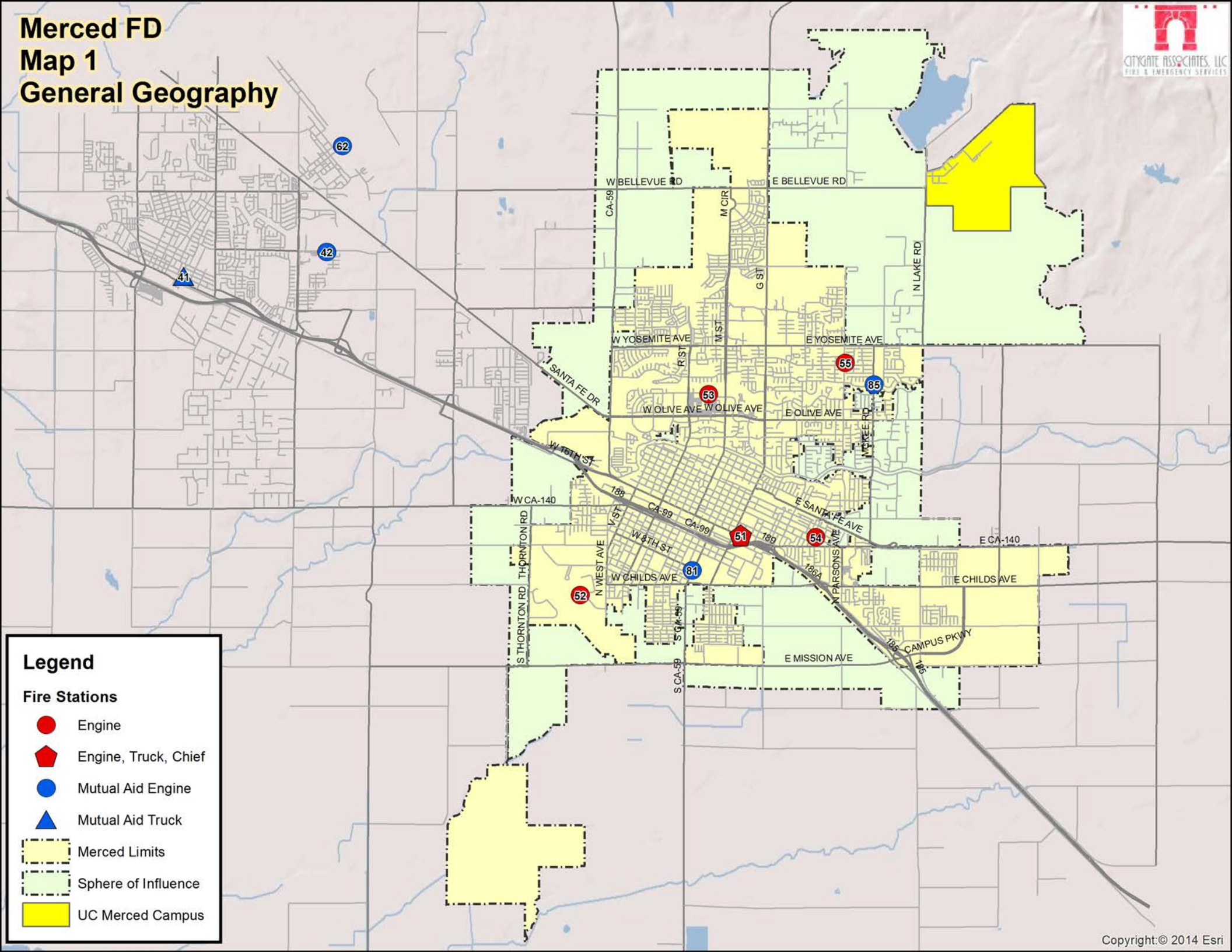
MARCH 29, 2018

This page was intentionally left blank

Merced FD

Map 1

General Geography



Legend

Fire Stations

- Engine
- Engine, Truck, Chief
- Mutual Aid Engine
- Mutual Aid Truck

Merced Limits

Sphere of Influence

UC Merced Campus

Merced FD

Map 2

Risk: Planning Zones



Legend

Fire Stations

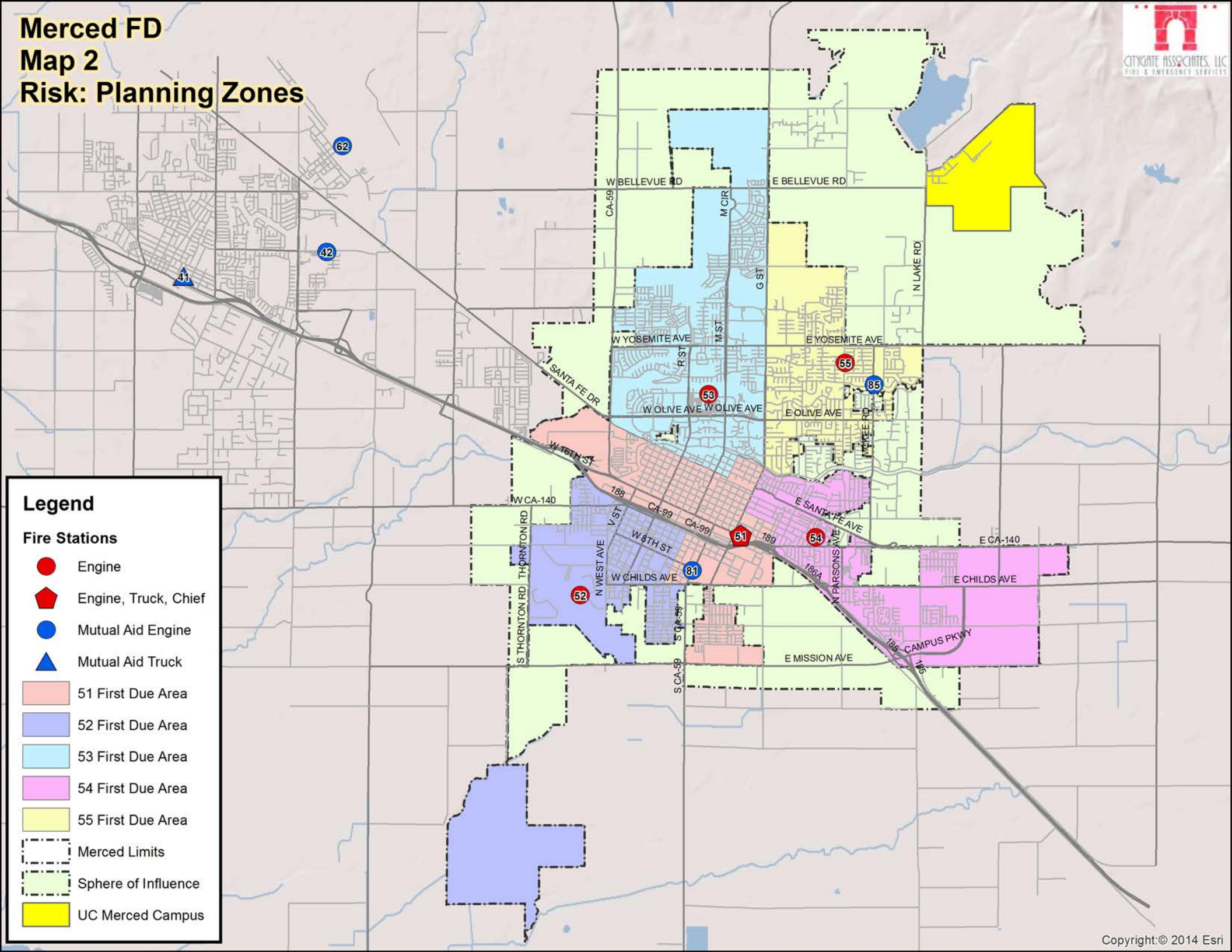
- Engine
- Engine, Truck, Chief
- Mutual Aid Engine
- Mutual Aid Truck

Planning Zones

- 51 First Due Area
- 52 First Due Area
- 53 First Due Area
- 54 First Due Area
- 55 First Due Area

Boundaries

- Merced Limits
- Sphere of Influence
- UC Merced Campus



Merced FD

Map 3

Risk: Critical Facilities

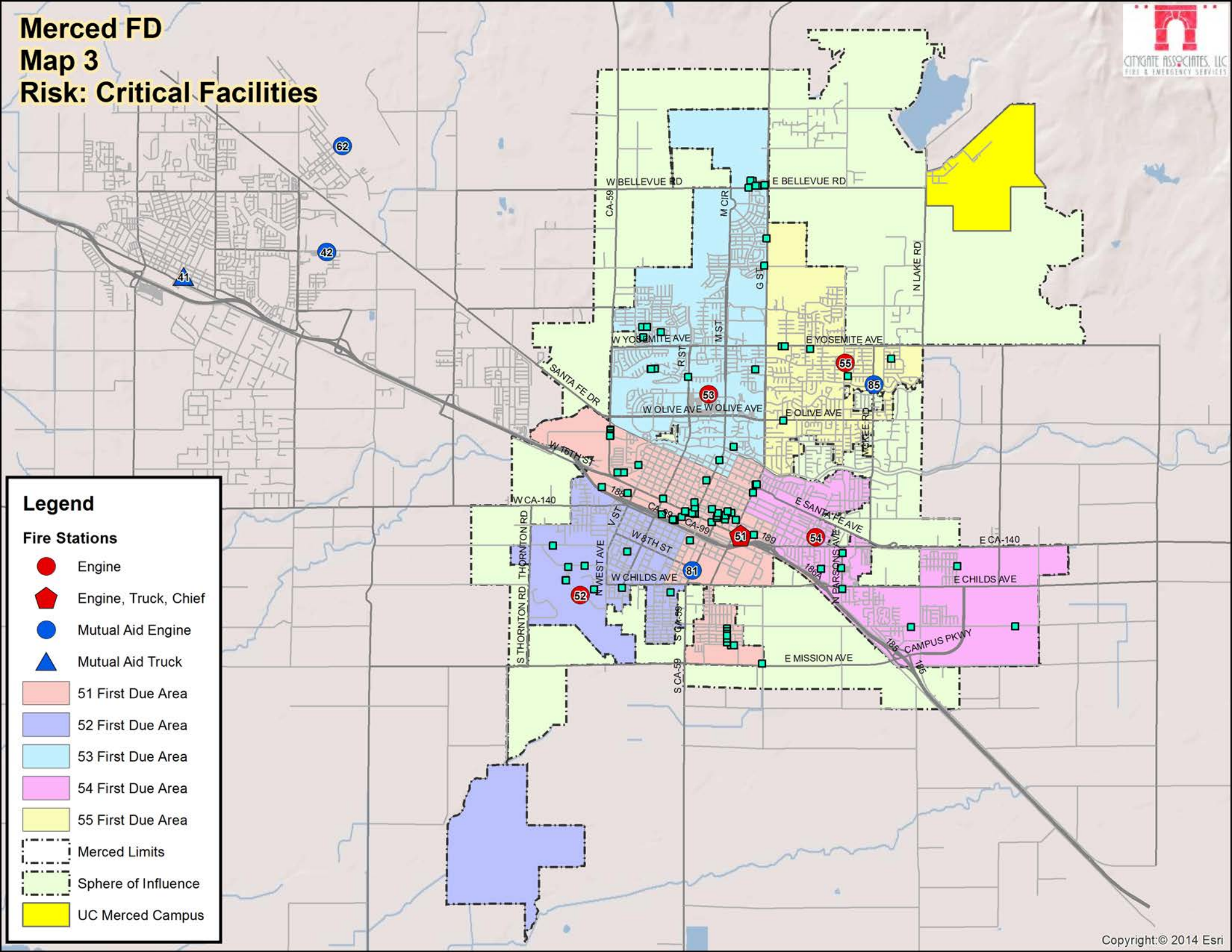
Legend

Fire Stations

-  Engine
-  Engine, Truck, Chief
-  Mutual Aid Engine
-  Mutual Aid Truck

-  51 First Due Area
-  52 First Due Area
-  53 First Due Area
-  54 First Due Area
-  55 First Due Area

-  Merced Limits
-  Sphere of Influence
-  UC Merced Campus



Merced FD
Map 4
Risk: High NFF
Sites >1,500 GPM

Legend

Fire Stations

- Engine
- ◆ Engine, Truck, Chief
- Mutual Aid Engine
- ▲ Mutual Aid Truck

51 First Due Area

52 First Due Area

53 First Due Area

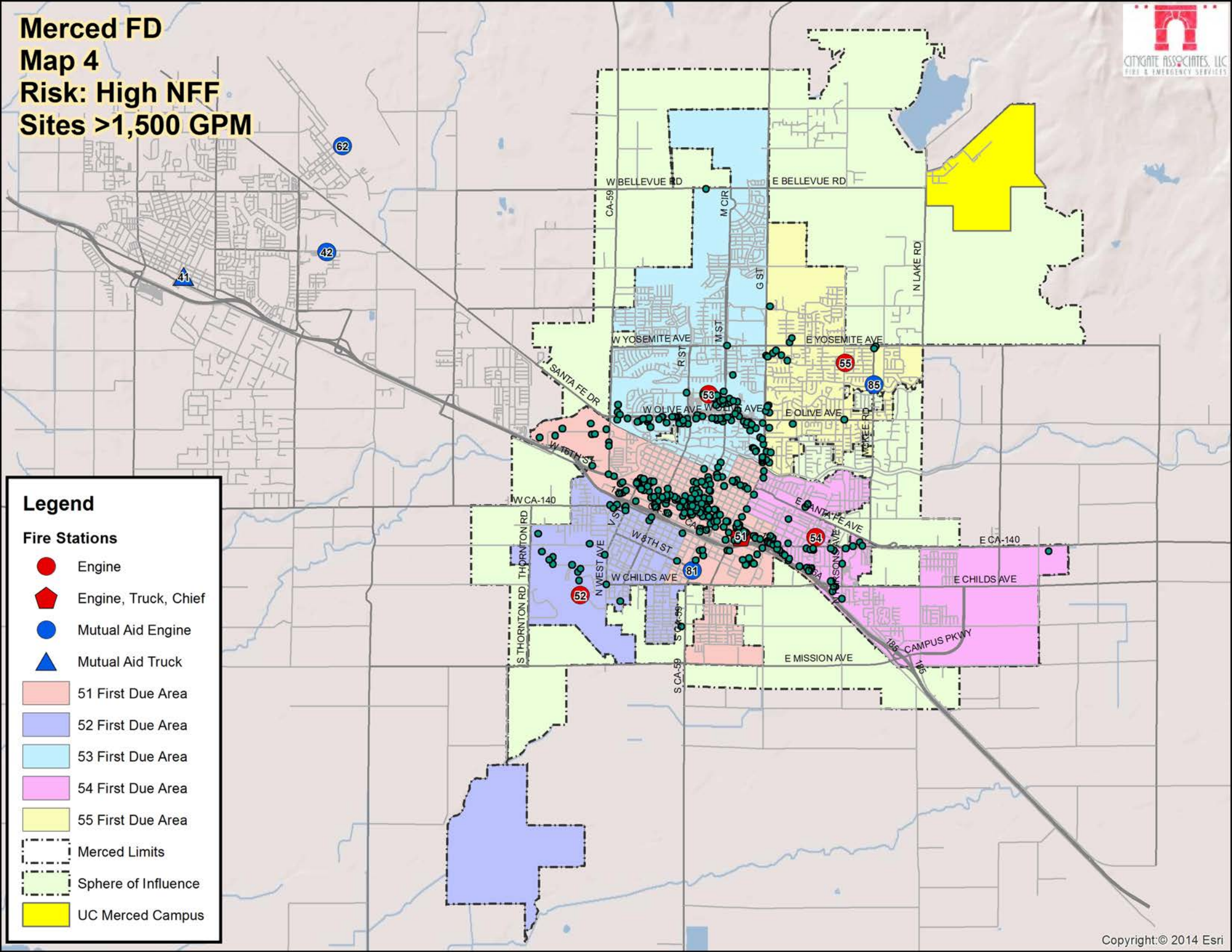
54 First Due Area

55 First Due Area

Merced Limits

Sphere of Influence

UC Merced Campus



Merced FD

Map 5

Risk: Population Densities



Legend

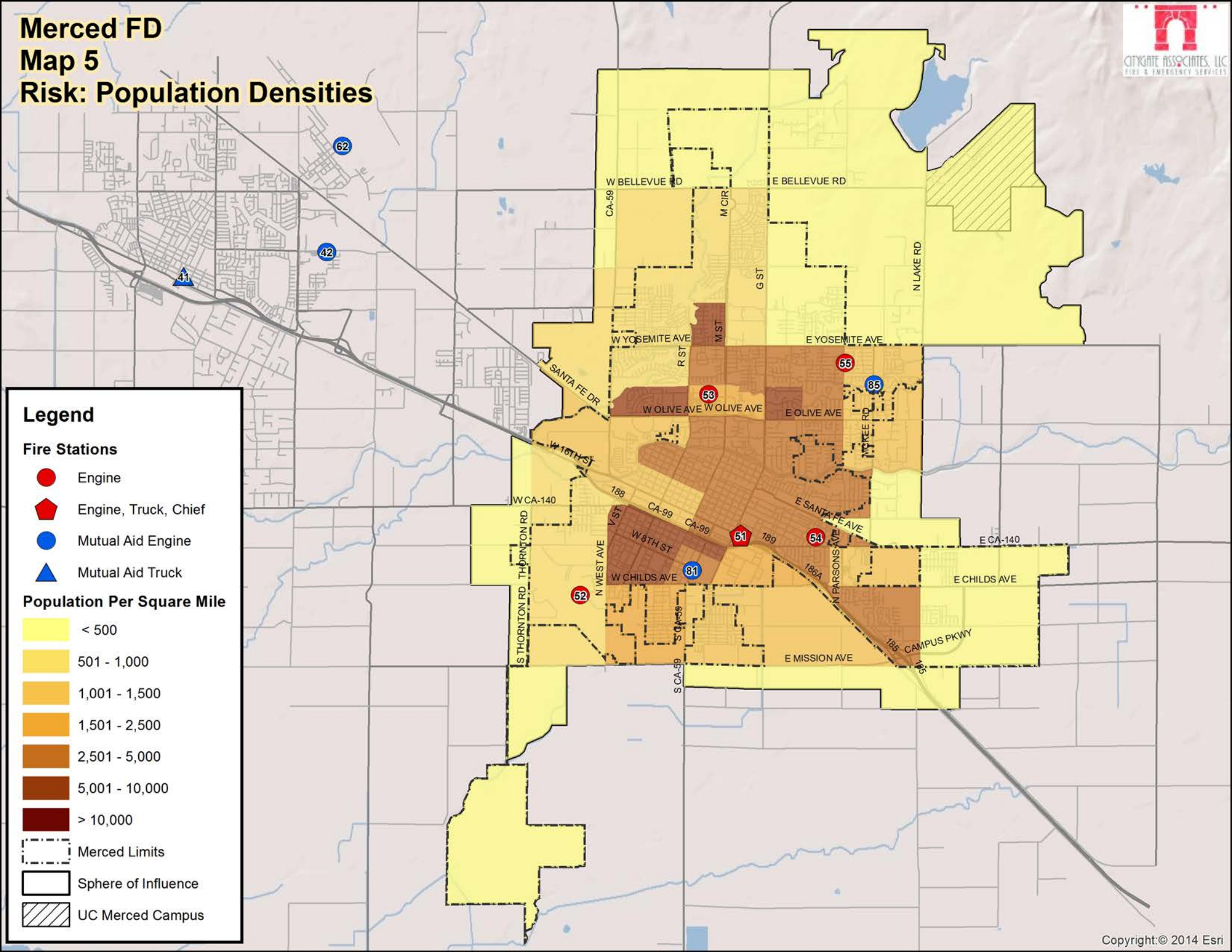
Fire Stations

- Engine
- Engine, Truck, Chief
- Mutual Aid Engine
- Mutual Aid Truck

Population Per Square Mile

< 500
501 - 1,000
1,001 - 1,500
1,501 - 2,500
2,501 - 5,000
5,001 - 10,000
> 10,000

- Merced Limits
- Sphere of Influence
- UC Merced Campus



Merced FD

Map 6

Risk: High-Risk Building Occupancies

Legend

Fire Stations

- Engine
- Engine, Truck, Chief
- Mutual Aid Engine
- Mutual Aid Truck

Occupancies

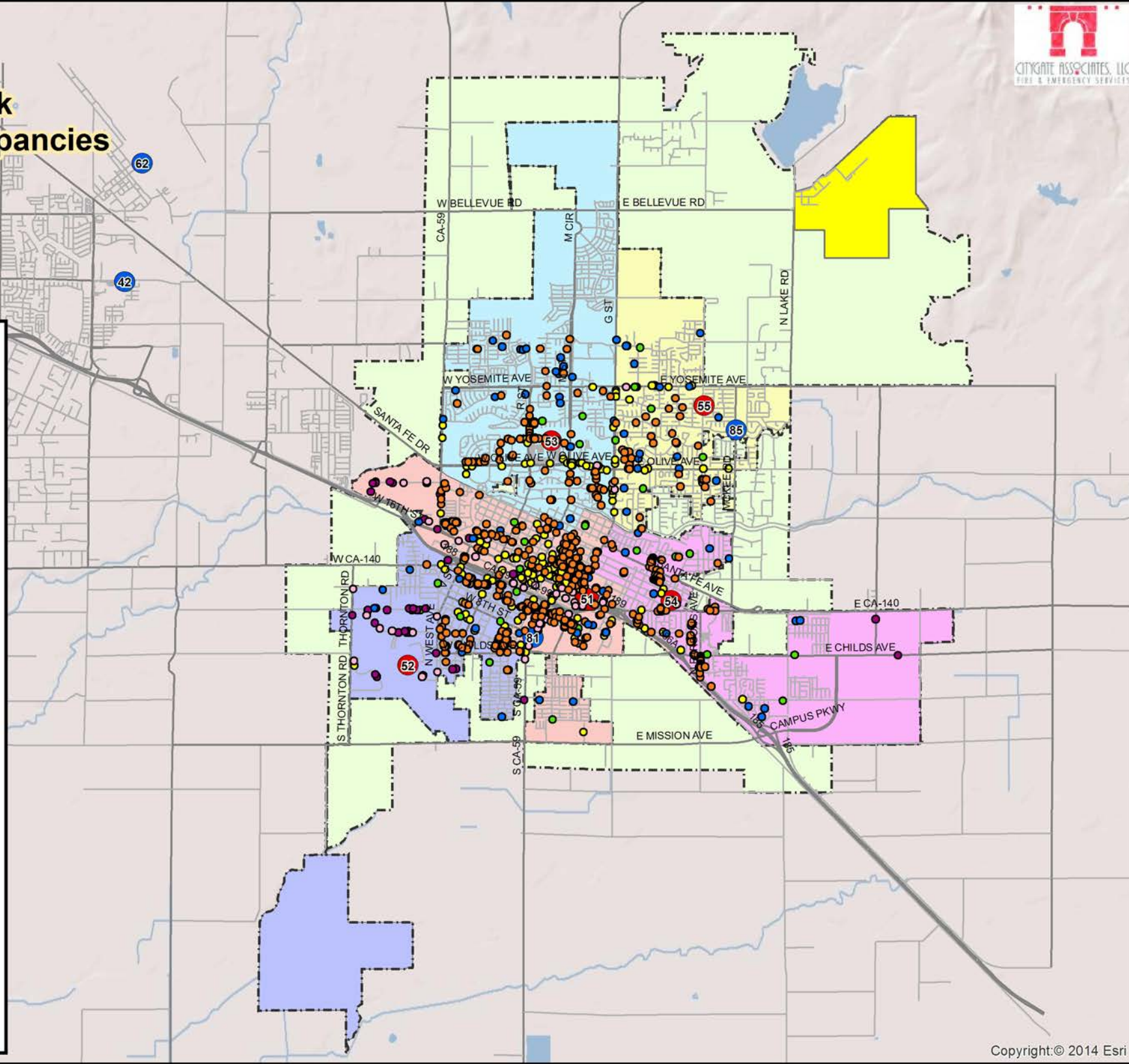
- "A" Occupancies
- "E" Occupancies
- "F" Occupancies
- "H" Occupancies
- "I" Occupancies
- "R" Occupancies

First Due Areas

- 51 First Due Area
- 52 First Due Area
- 53 First Due Area
- 54 First Due Area
- 55 First Due Area

Boundaries

- Merced Limits
- Sphere of Influence
- UC Merced Campus



Merced FD Map 7 Risk: Hazardous Materials Sites

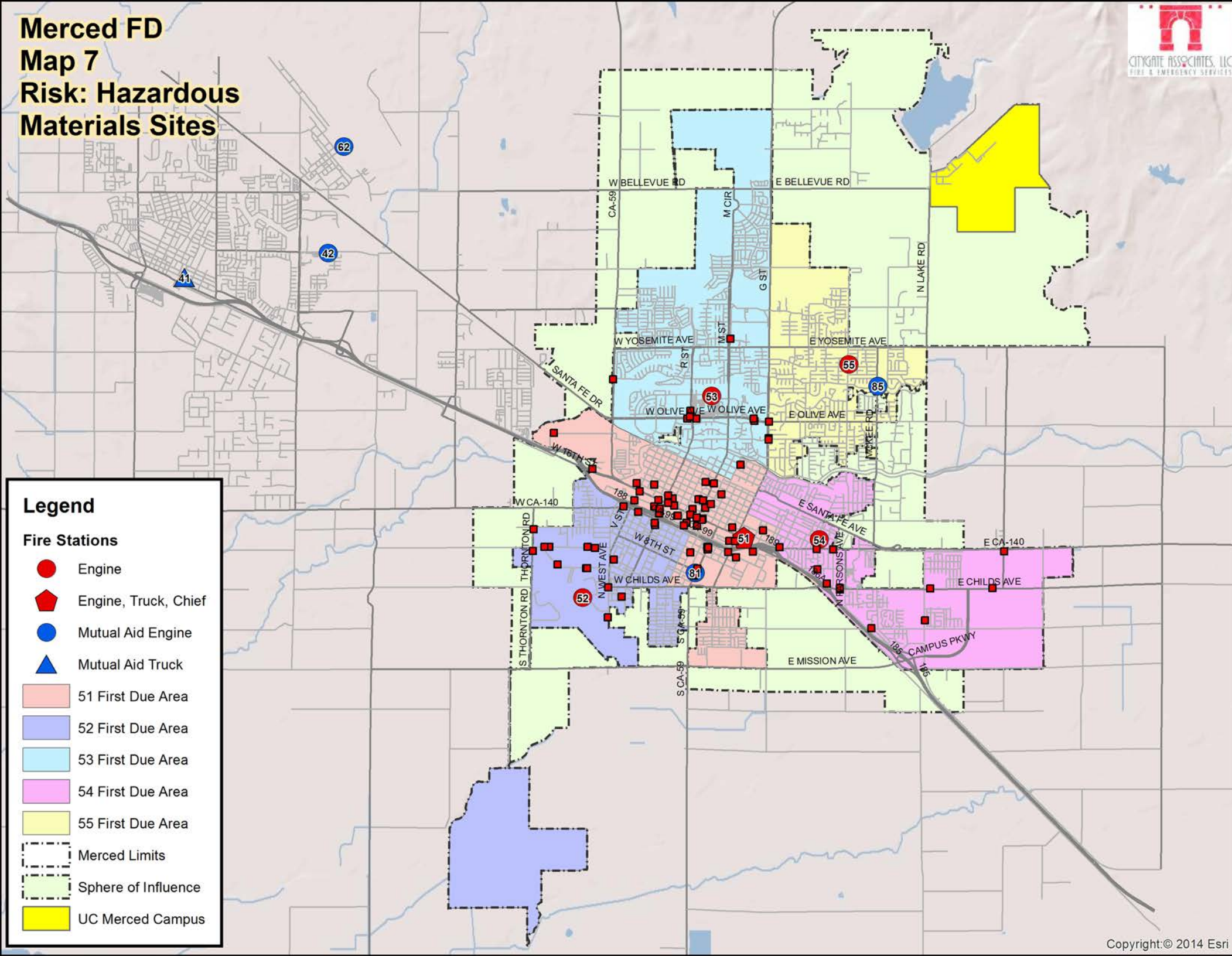
Legend

Fire Stations

-  Engine
-  Engine, Truck, Chief
-  Mutual Aid Engine
-  Mutual Aid Truck

-  51 First Due Area
-  52 First Due Area
-  53 First Due Area
-  54 First Due Area
-  55 First Due Area

-  Merced Limits
-  Sphere of Influence
-  UC Merced Campus



Merced FD

Map 8

1st Due Map

4 Minute Travel - 1 Engine

Legend

Fire Stations

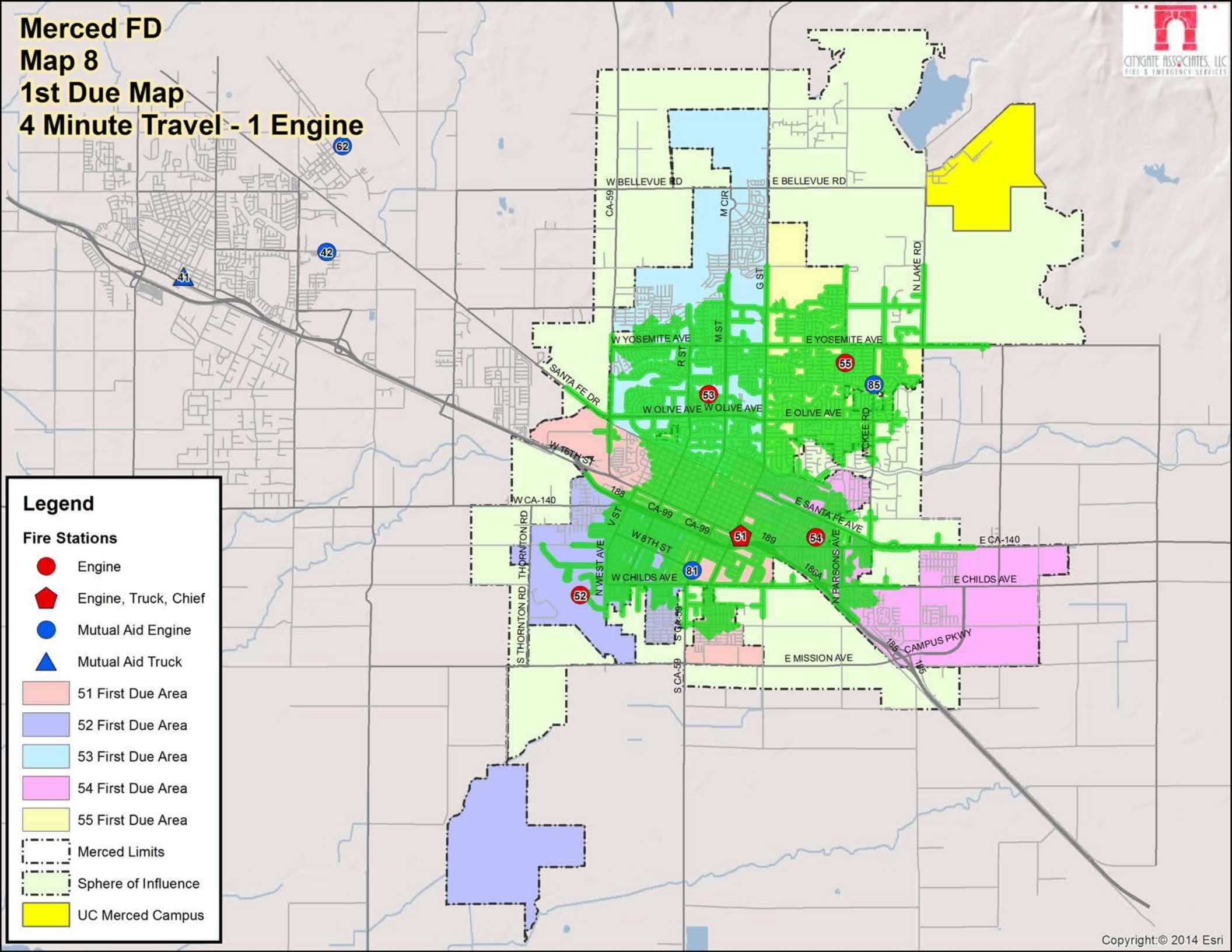
- Engine
- Engine, Truck, Chief
- Mutual Aid Engine
- Mutual Aid Truck

First Due Areas

- 51 First Due Area
- 52 First Due Area
- 53 First Due Area
- 54 First Due Area
- 55 First Due Area

Boundaries

- Merced Limits
- Sphere of Influence
- UC Merced Campus



Merced FD

Map 9

1st Due Map

1 Engine

5, 6, 7, 8 Minute Travel

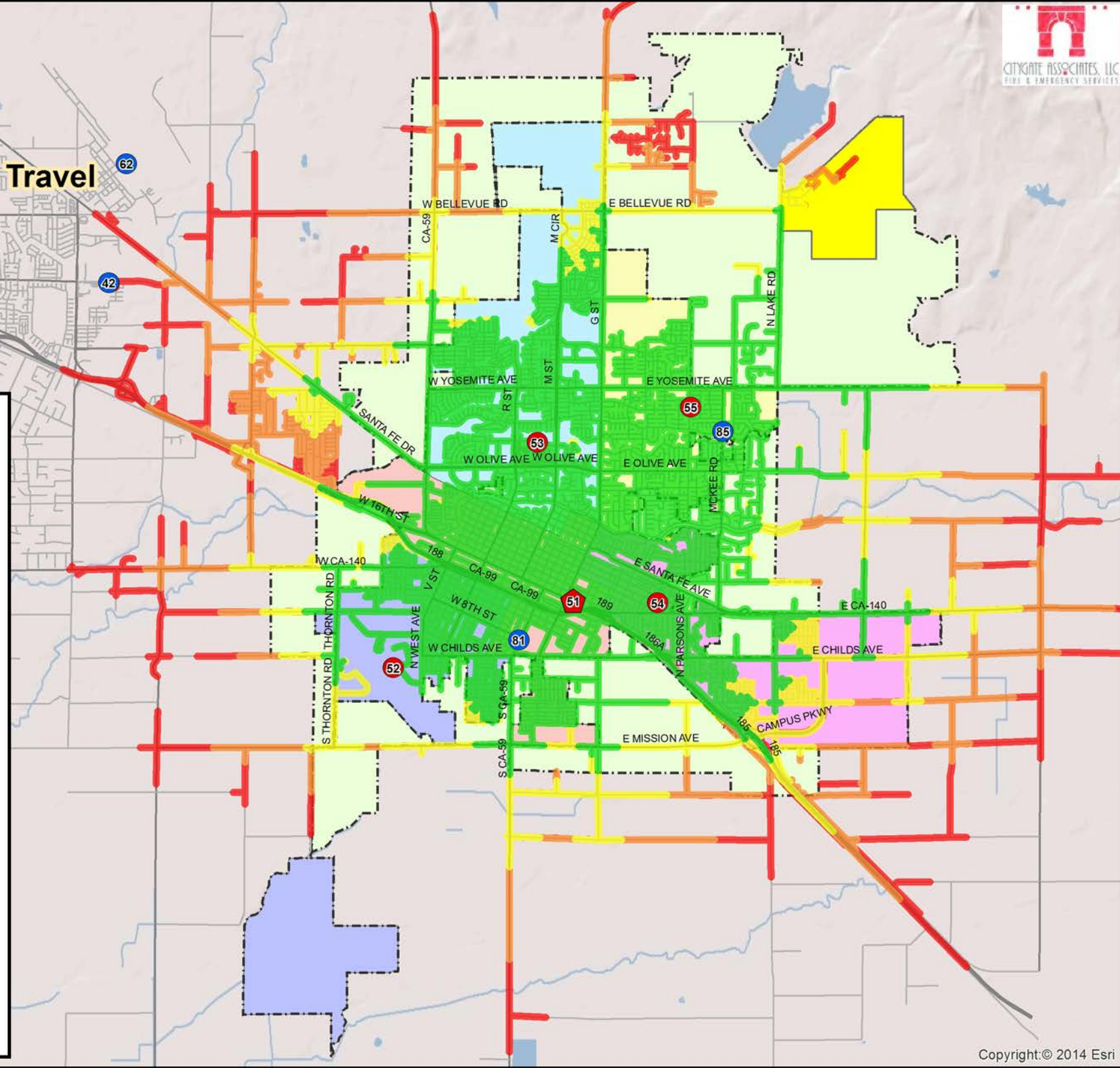
Legend

Fire Stations

-  Engine
-  Engine, Truck, Chief
-  Mutual Aid Engine
-  Mutual Aid Truck
-  5 Minute Engine Travel
-  6 Minute Engine Travel
-  7 Minute Engine Travel
-  8 Minute Engine Travel

-  51 First Due Area
-  52 First Due Area
-  53 First Due Area
-  54 First Due Area
-  55 First Due Area

-  Merced Limits
-  Sphere of Influence
-  UC Merced Campus



Merced FD

Map 10

1st Due Map

1 Engine

5, 6, 7, 8 Minute Travel

no railroad crossings

Legend

Fire Stations

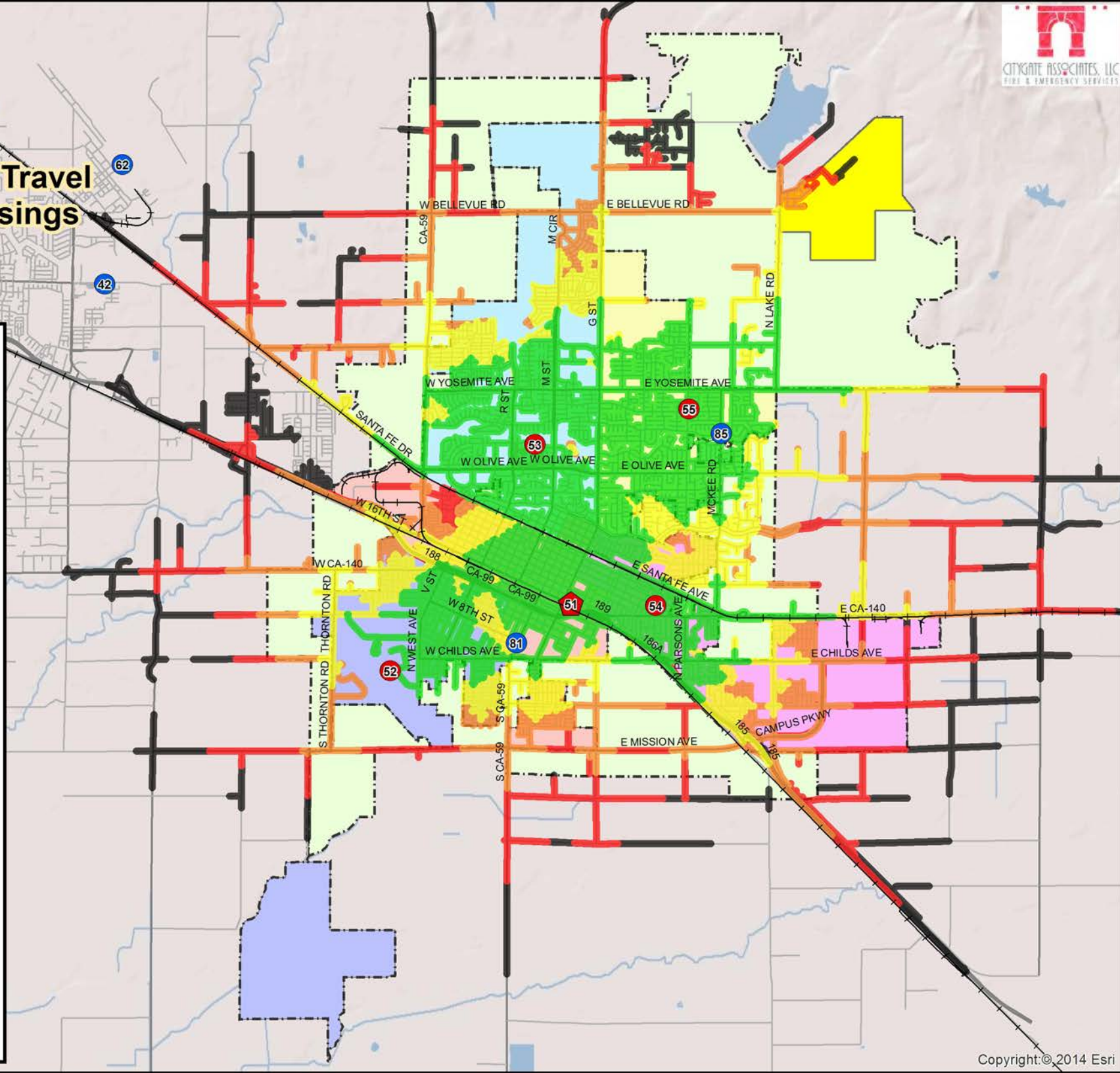
- Engine
- ◆ Engine, Truck, Chief
- Mutual Aid Engine
- ▲ Mutual Aid Truck

- 4 Minute Engine Travel
- 5 Minute Engine Travel
- 6 Minute Engine Travel
- 7 Minute Engine Travel
- 8 Minute Engine Travel

—+— Railroads

- 51 First Due Area
- 52 First Due Area
- 53 First Due Area
- 54 First Due Area
- 55 First Due Area

- Merced Limits
- Sphere of Influence
- UC Merced Campus



Merced FD

Map 11

ISO 1.5 Mile Travel Distance

Legend

Fire Stations

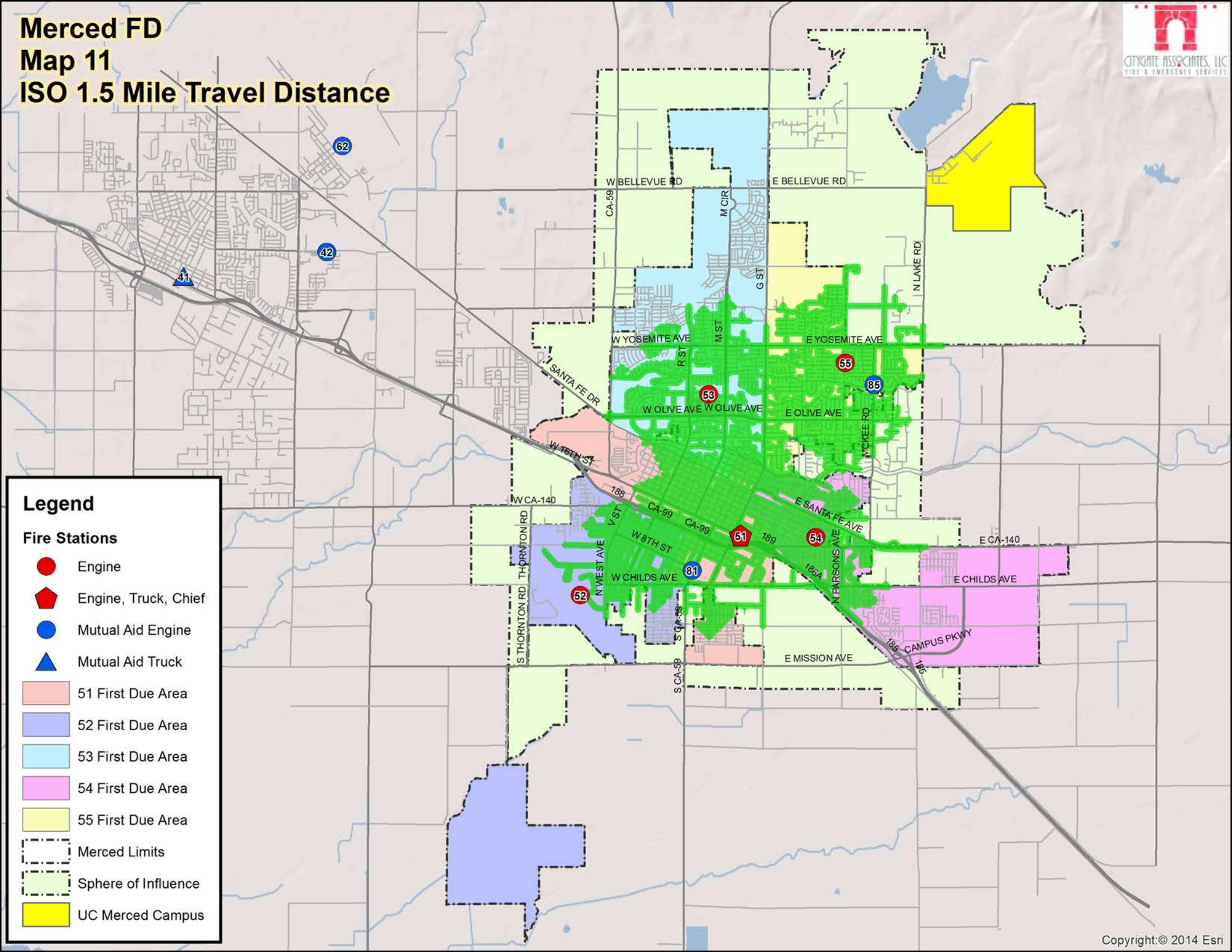
- Engine
- Engine, Truck, Chief
- Mutual Aid Engine
- Mutual Aid Truck

First Due Areas

- 51 First Due Area
- 52 First Due Area
- 53 First Due Area
- 54 First Due Area
- 55 First Due Area

Boundaries

- Merced Limits
- Sphere of Influence
- UC Merced Campus



Merced FD

Map 12

8 Minute ERF Travel: 1 BC, 3 Engines, 1 Truck

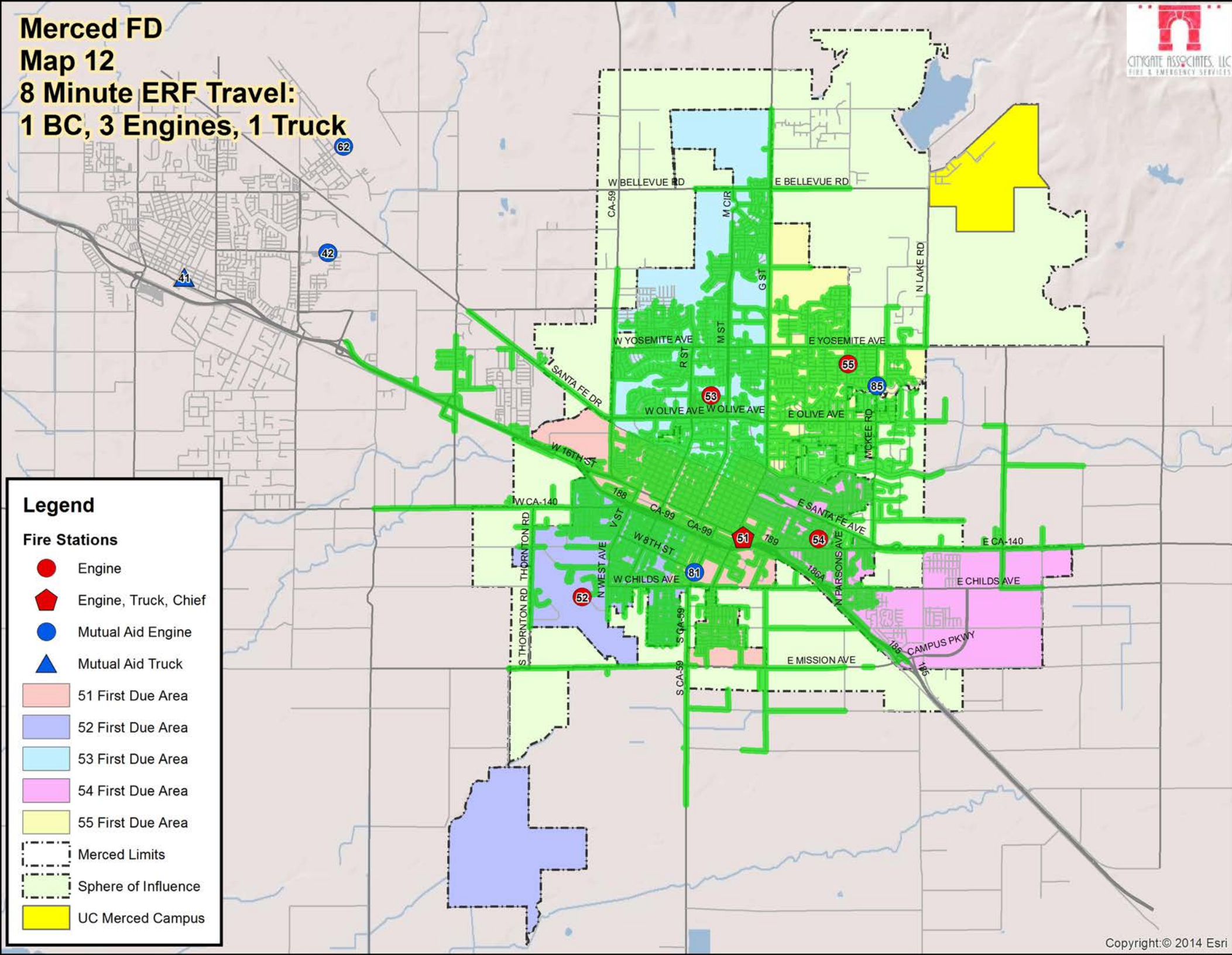
Legend

Fire Stations

- Engine
- ◆ Engine, Truck, Chief
- Mutual Aid Engine
- ▲ Mutual Aid Truck

- 51 First Due Area
- 52 First Due Area
- 53 First Due Area
- 54 First Due Area
- 55 First Due Area

- Merced Limits
- Sphere of Influence
- UC Merced Campus



Merced FD

Map 13

8 Minute Travel - 1 Truck



Legend

Fire Stations

Engine

Engine, Truck, Chief

Mutual Aid Engine

Mutual Aid Truck

51 First Due Area

52 First Due Area

53 First Due Area

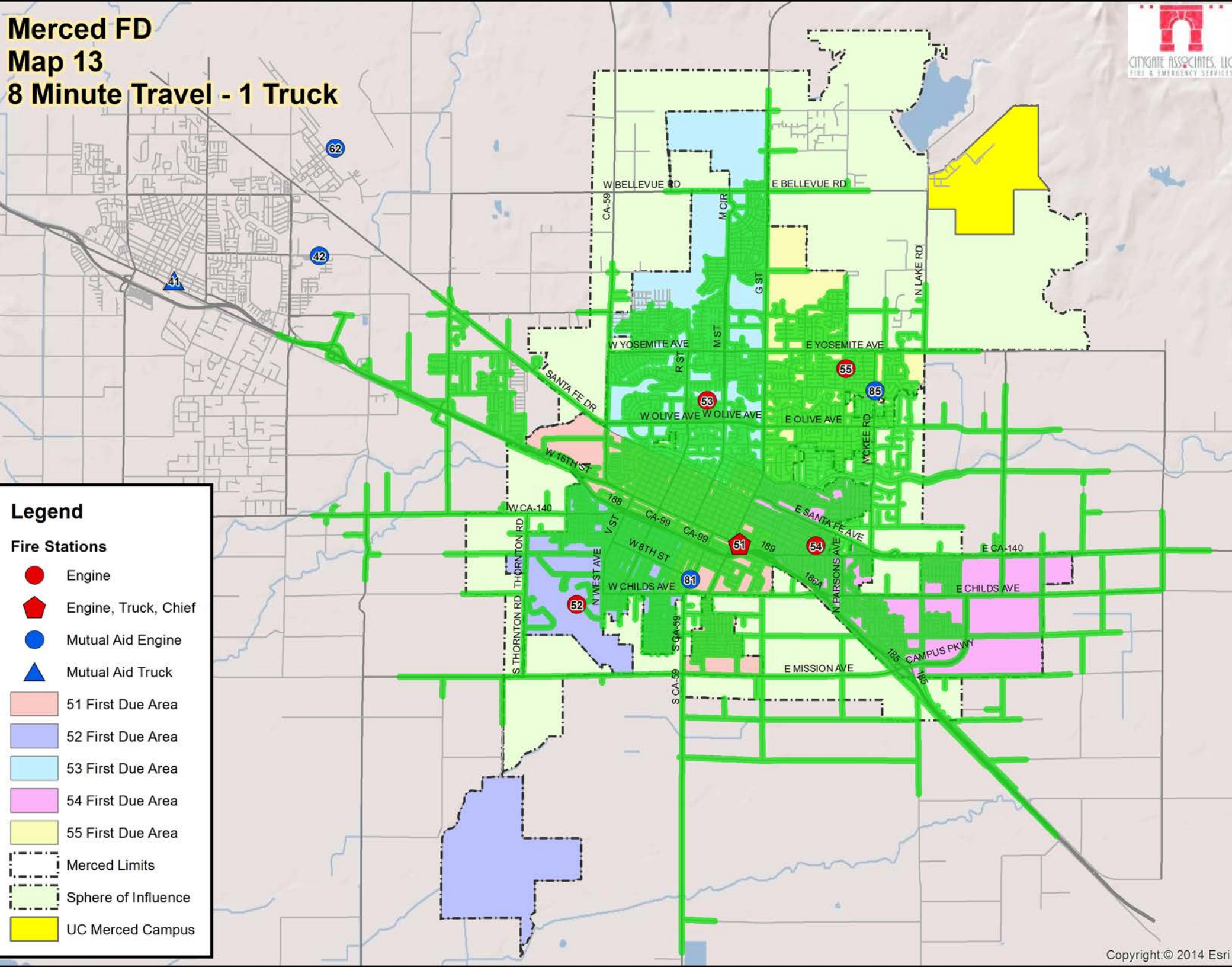
54 First Due Area

55 First Due Area

Merced Limits

Sphere of Influence

UC Merced Campus



Merced FD

Map 14

8 Minute Travel - 1 BC

Legend

Fire Stations

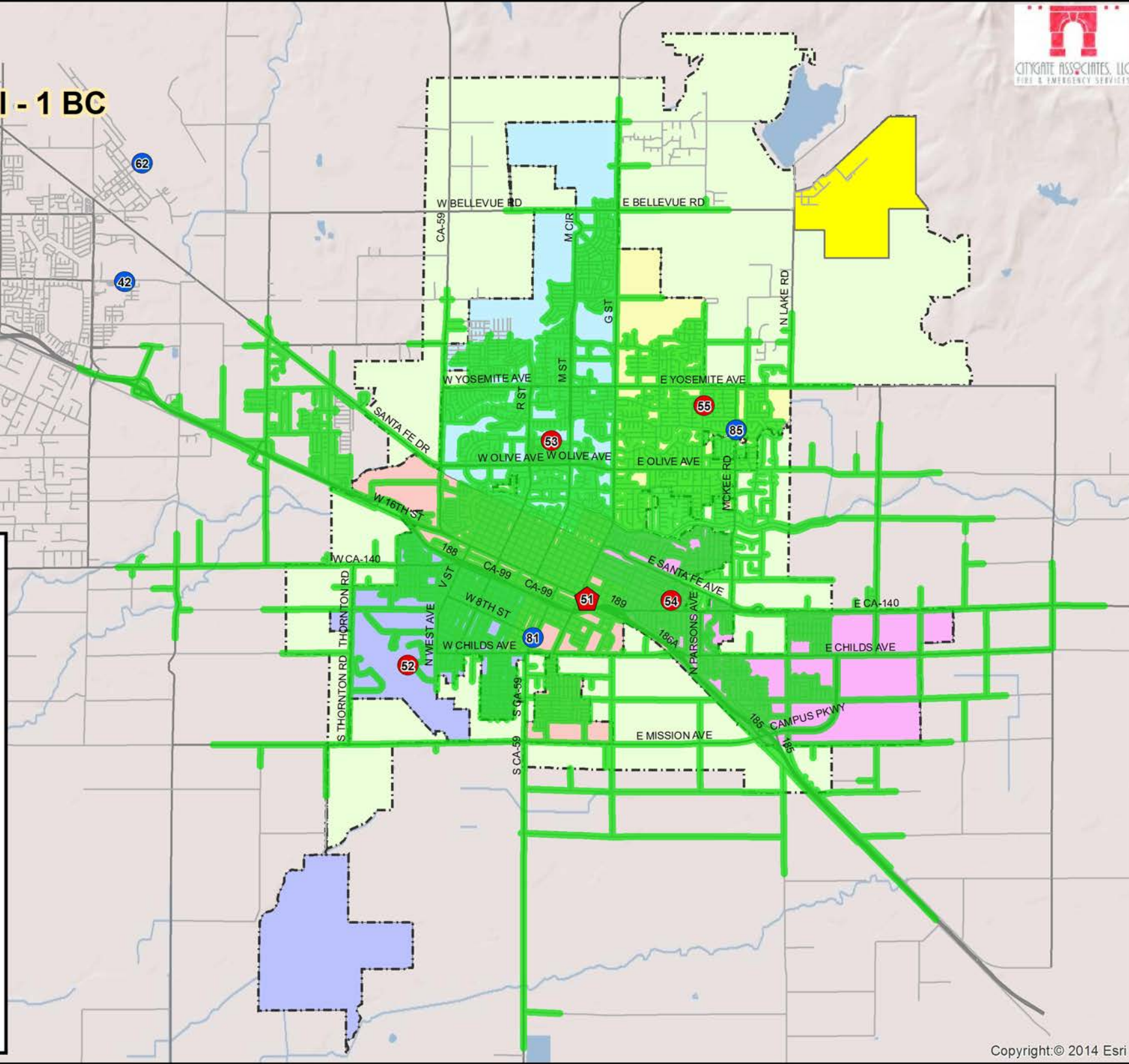
- Engine
- Engine, Truck, Chief
- Mutual Aid Engine
- Mutual Aid Truck

First Due Areas

- 51 First Due Area
- 52 First Due Area
- 53 First Due Area
- 54 First Due Area
- 55 First Due Area

Boundaries

- Merced Limits
- Sphere of Influence
- UC Merced Campus



Merced FD

Map 15

All Incidents

1/1/2014 - 12/31/2016

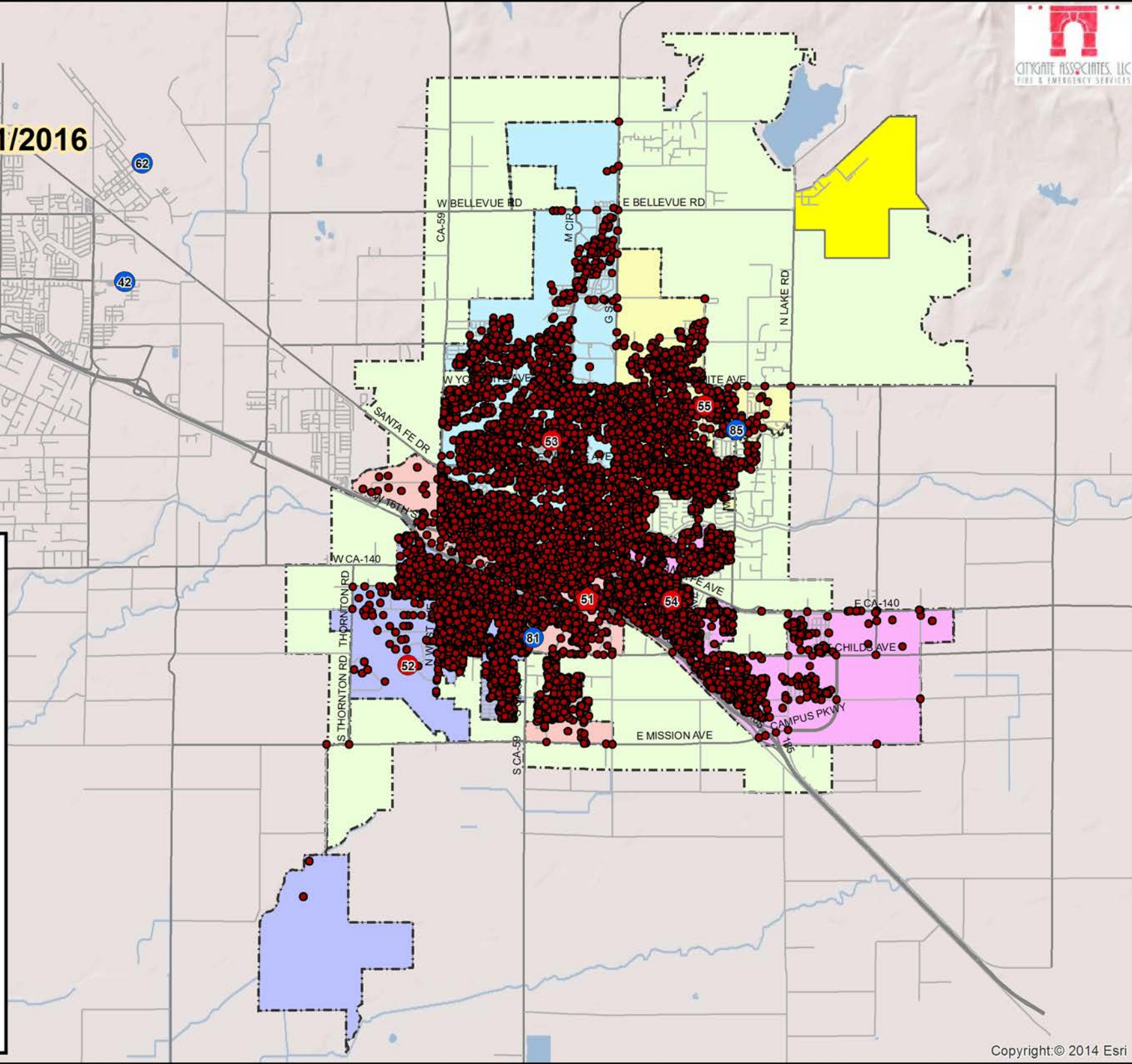
Legend

Fire Stations

- Engine
- ◆ Engine, Truck, Chief
- Mutual Aid Engine
- ▲ Mutual Aid Truck

- 51 First Due Area
- 52 First Due Area
- 53 First Due Area
- 54 First Due Area
- 55 First Due Area

- Merced Limits
- Sphere of Influence
- UC Merced Campus



Merced FD

Map 16

All EMS & Rescue Incident

1/1/2014 - 12/31/2016

Legend

Fire Stations

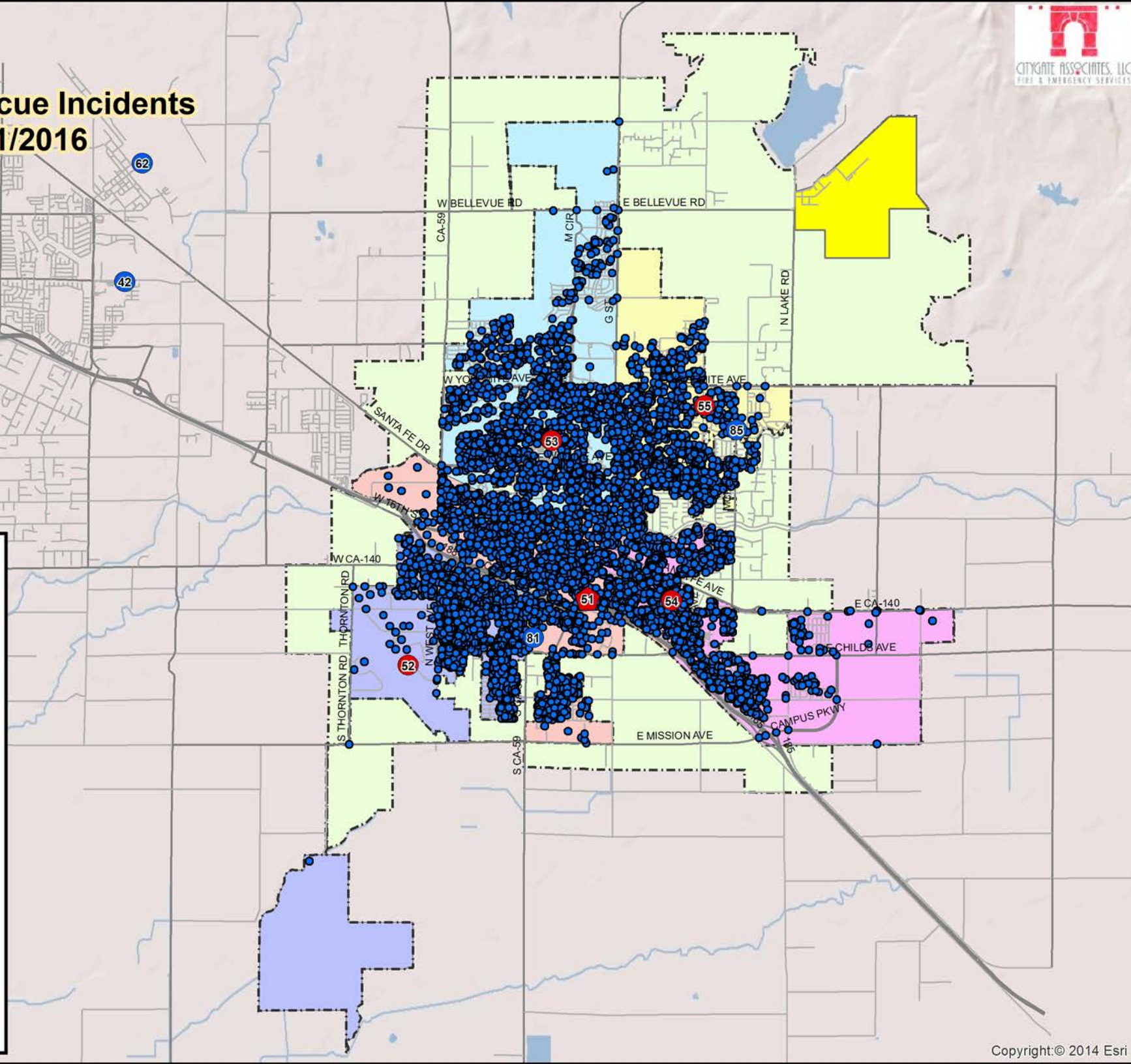
- Engine
- Engine, Truck, Chief
- Mutual Aid Engine
- Mutual Aid Truck

First Due Areas

- 51 First Due Area
- 52 First Due Area
- 53 First Due Area
- 54 First Due Area
- 55 First Due Area

Boundaries

- Merced Limits
- Sphere of Influence
- UC Merced Campus



Merced FD

Map 17

All Fires

1/1/2014 - 12/31/2016

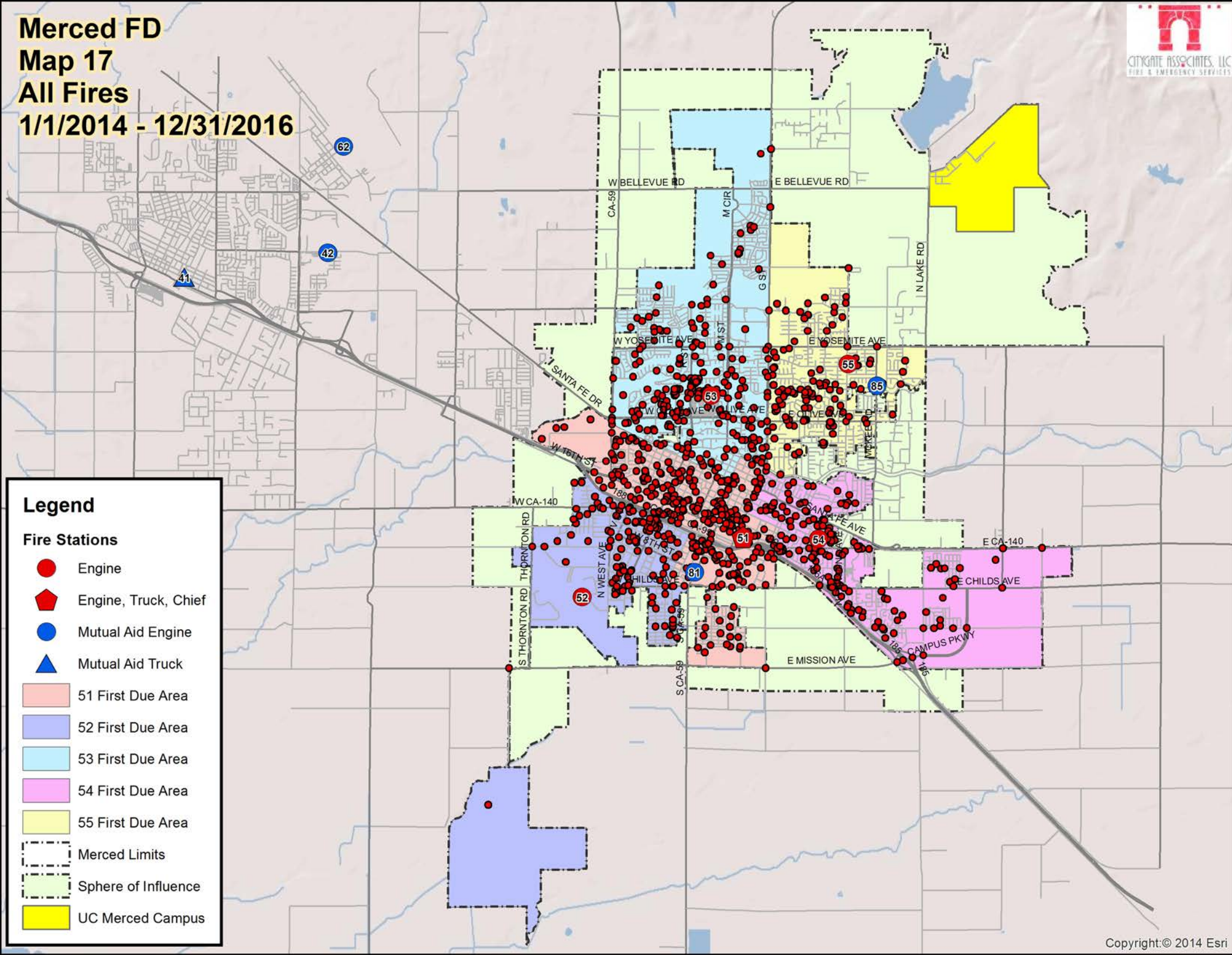
Legend

Fire Stations

- Engine
- ◆ Engine, Truck, Chief
- Mutual Aid Engine
- ▲ Mutual Aid Truck

- 51 First Due Area
- 52 First Due Area
- 53 First Due Area
- 54 First Due Area
- 55 First Due Area

- Merced Limits
- Sphere of Influence
- UC Merced Campus



Merced FD

Map 18

All Structure Fires

1/1/2014 - 12/31/2016

Legend

Fire Stations

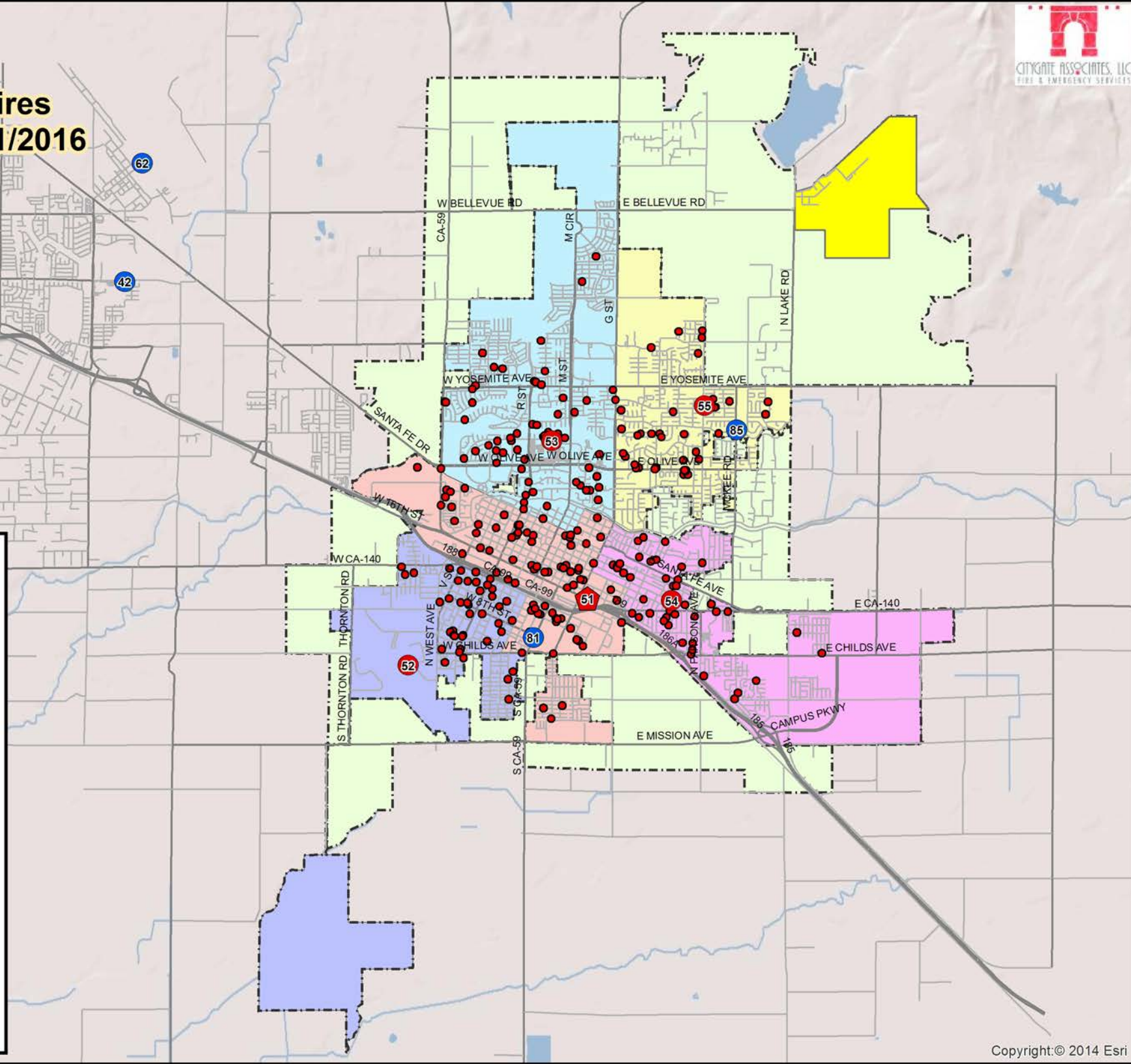
- Engine
- Engine, Truck, Chief
- Mutual Aid Engine
- Mutual Aid Truck

First Due Areas

- 51 First Due Area
- 52 First Due Area
- 53 First Due Area
- 54 First Due Area
- 55 First Due Area

Boundaries

- Merced Limits
- Sphere of Influence
- UC Merced Campus



Merced FD

Map 19

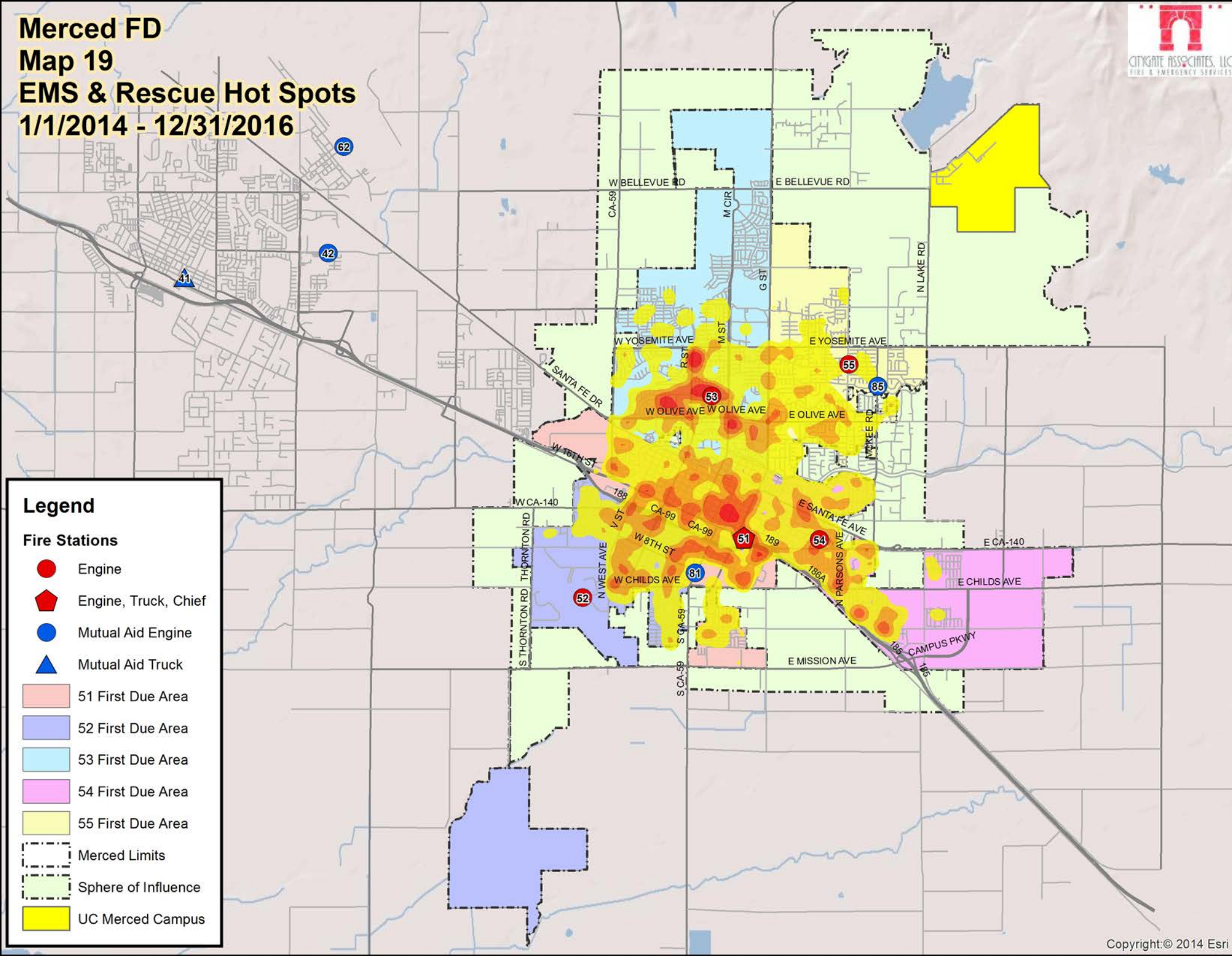
EMS & Rescue Hot Spots

1/1/2014 - 12/31/2016

Legend

Fire Stations

-  Engine
-  Engine, Truck, Chief
-  Mutual Aid Engine
-  Mutual Aid Truck
-  51 First Due Area
-  52 First Due Area
-  53 First Due Area
-  54 First Due Area
-  55 First Due Area
-  Merced Limits
-  Sphere of Influence
-  UC Merced Campus



Merced FD

Map 20

All Fires Hot Spots

1/1/2014 - 12/31/2016

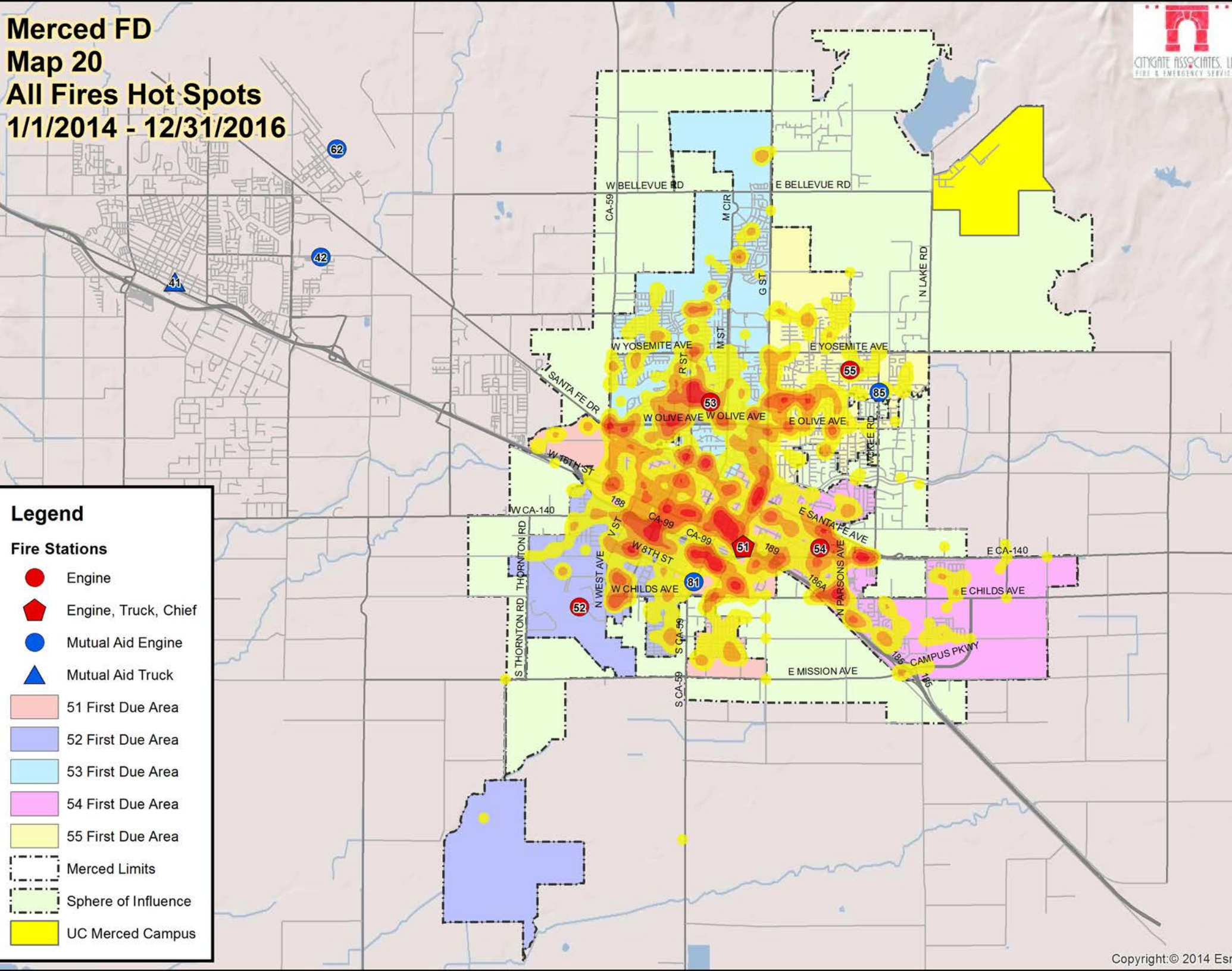
Legend

Fire Stations

- Engine
- ◆ Engine, Truck, Chief
- Mutual Aid Engine
- ▲ Mutual Aid Truck

- 51 First Due Area
- 52 First Due Area
- 53 First Due Area
- 54 First Due Area
- 55 First Due Area

- Merced Limits
- Sphere of Influence
- UC Merced Campus



Merced FD

Map 21

Structure Fires Hot Spots

1/1/2014 - 12/31/2016

Legend

Fire Stations

-  Engine
-  Engine, Truck, Chief
-  Mutual Aid Engine
-  Mutual Aid Truck
-  51 First Due Area
-  52 First Due Area
-  53 First Due Area
-  54 First Due Area
-  55 First Due Area
-  Merced Limits
-  Sphere of Influence
-  UC Merced Campus

