

**STANDARDS OF COVERAGE
ASSESSMENT**

VOLUME 2 OF 2: MAP ATLAS

CITY OF MERCED, CA

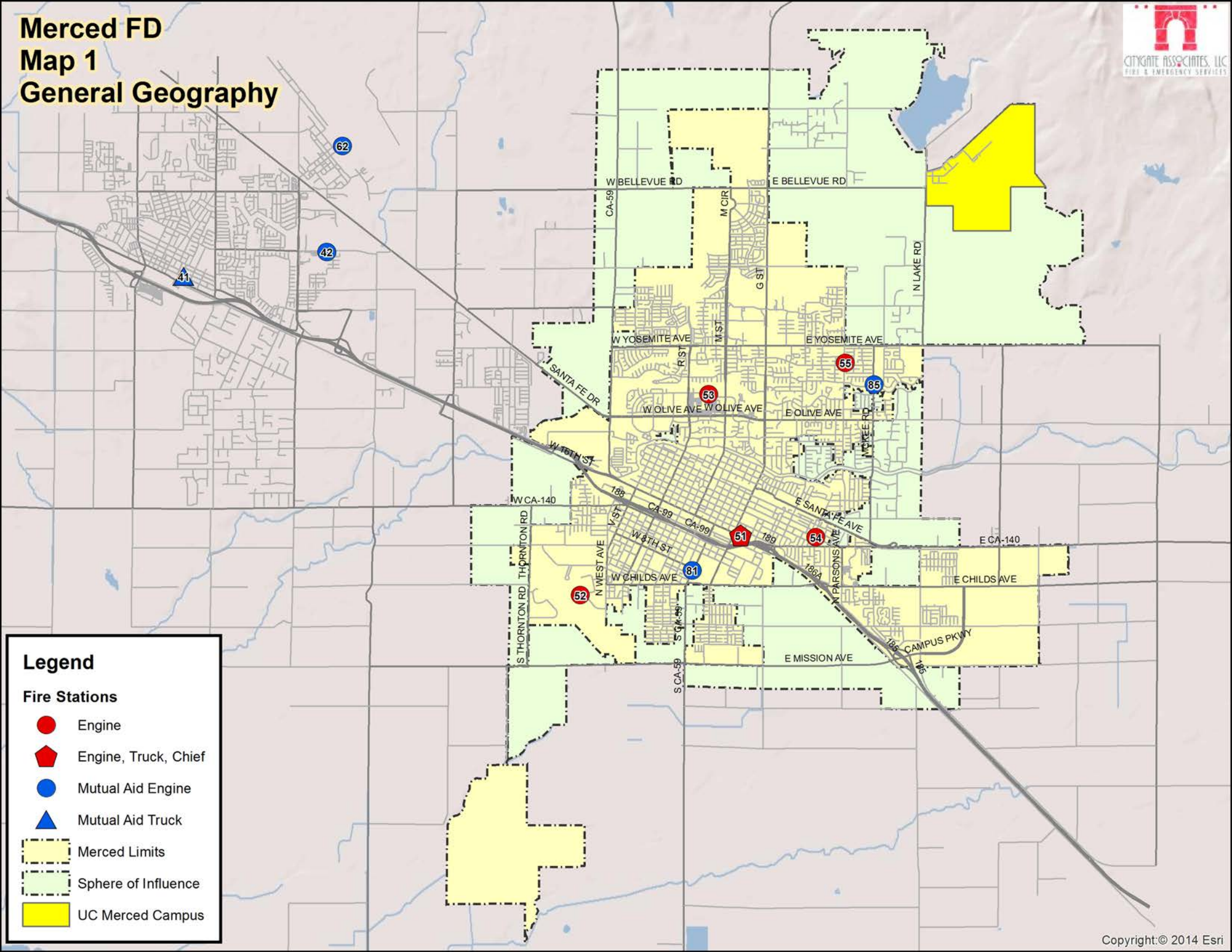
MARCH 29, 2018

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Merced FD

Map 1

General Geography



Merced FD

Map 2

Risk: Planning Zones



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

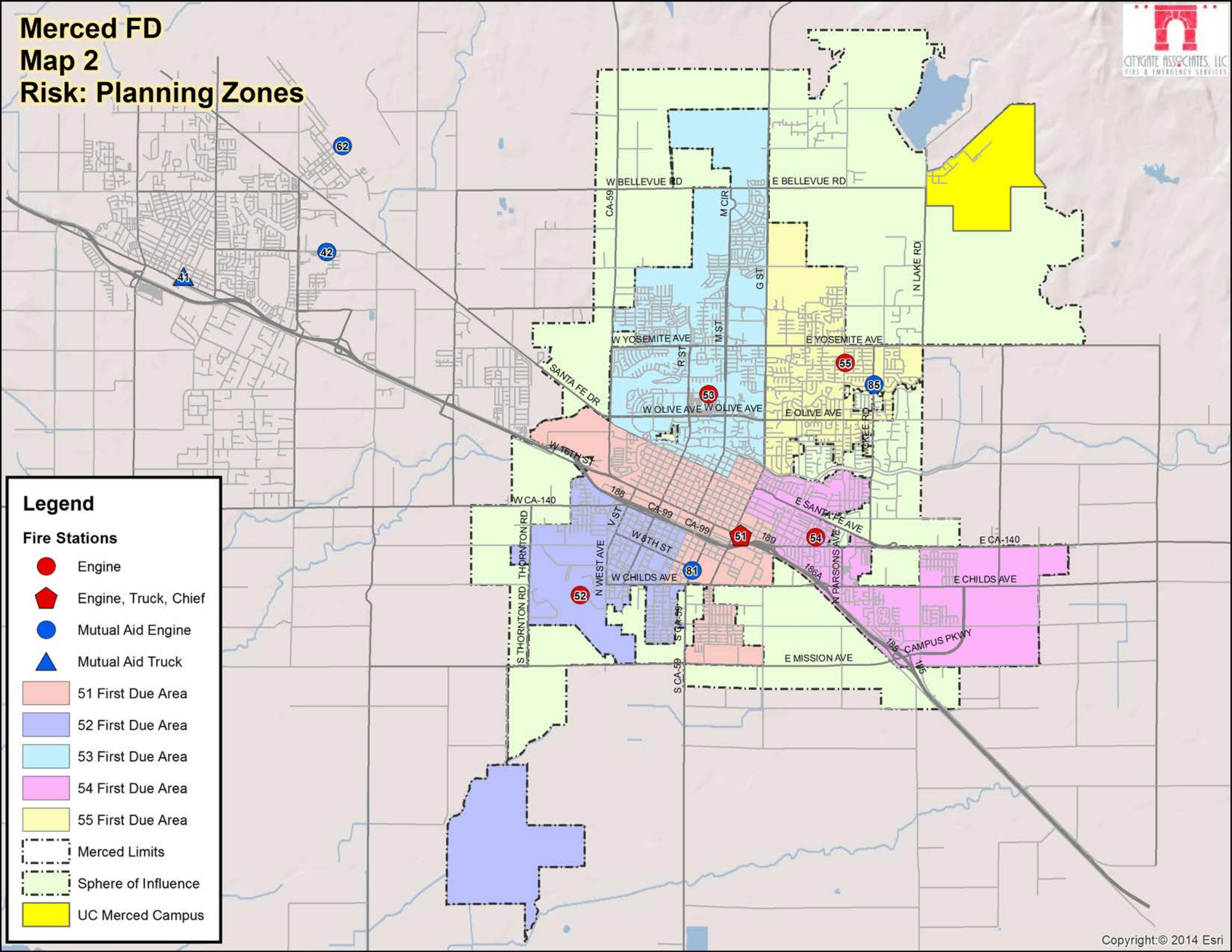
54 First Due Area

55 First Due Area

Merced Limits

Sphere of Influence

UC Merced Campus



Merced FD

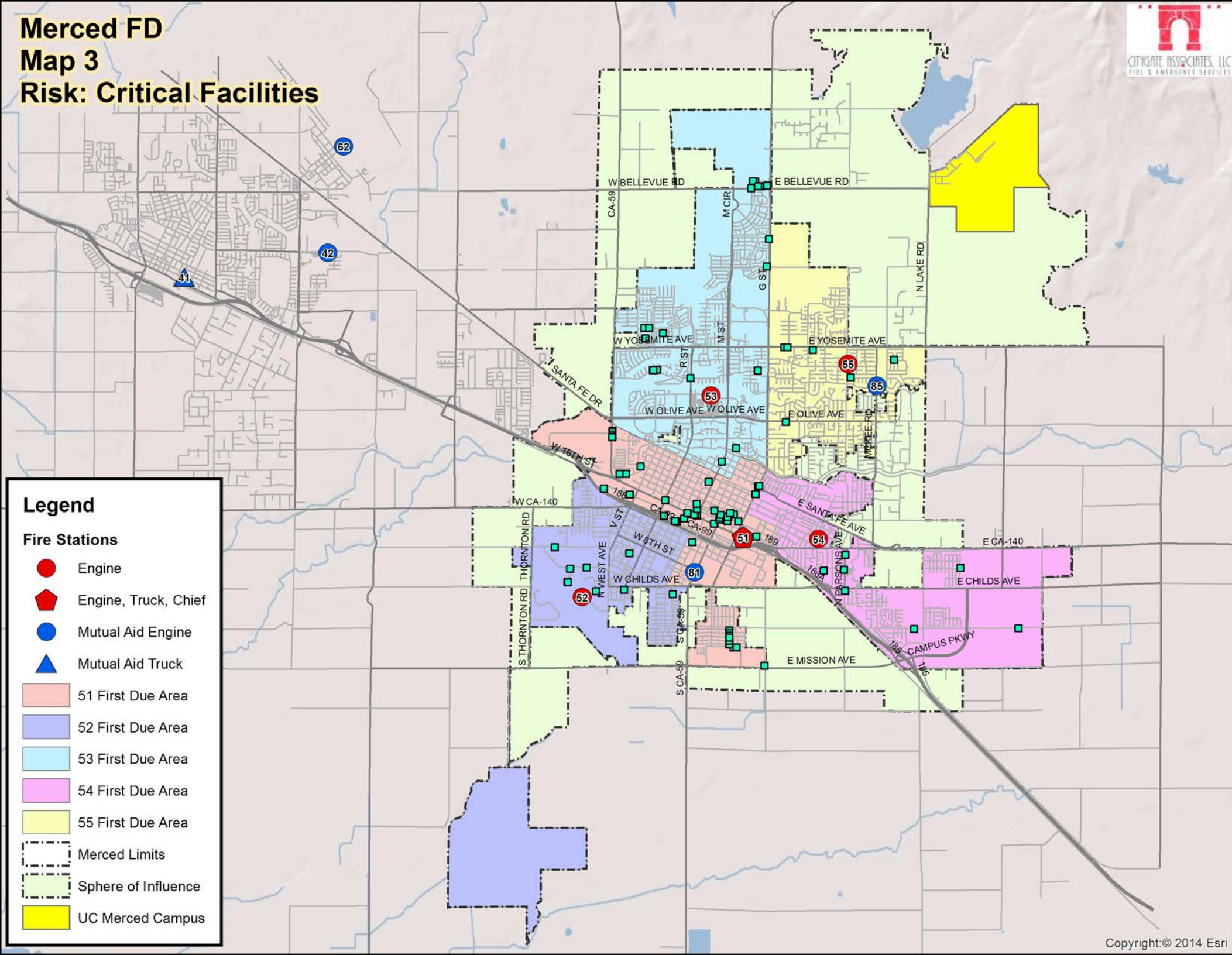
Map 3

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

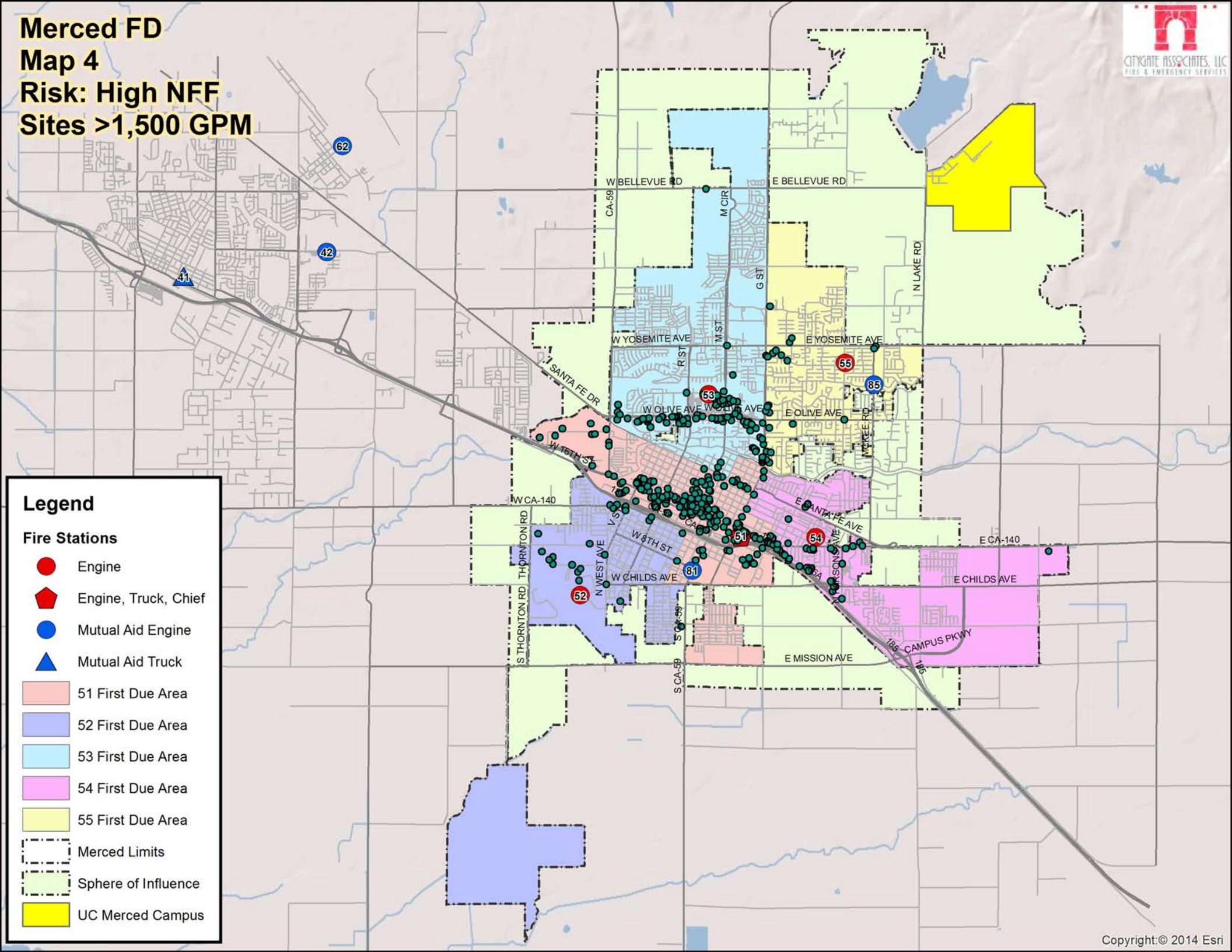
54 First Due Area

55 First Due Area

Merced Limits

Sphere of Influence

UC Merced Campus



Merced FD

Map 5

Risk: Population Densities



Legend

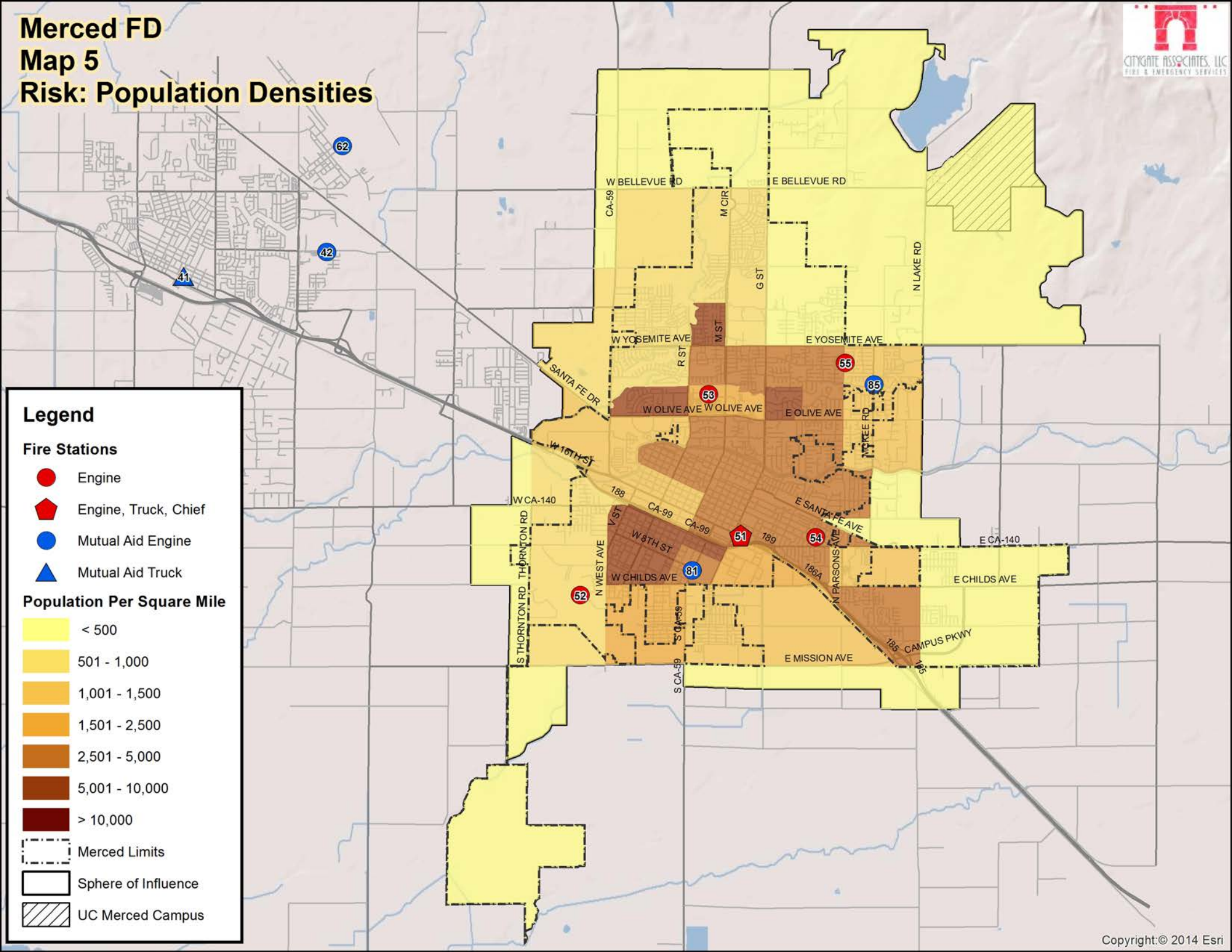
Fire Stations

- 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

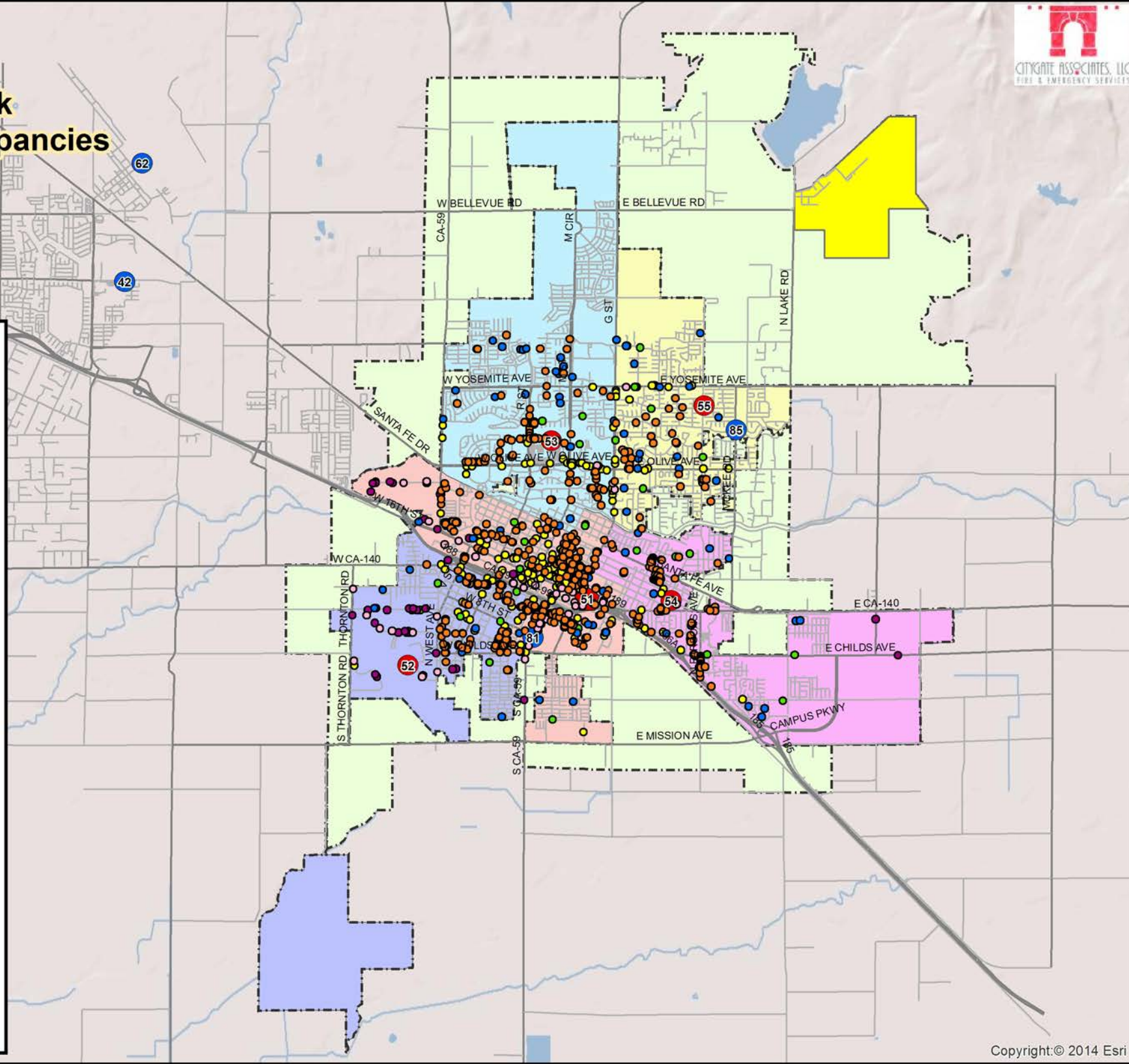
- "A" Occupancies
- "E" Occupancies
- "F" Occupancies
- "H" Occupancies
- "I" Occupancies
- "R" Occupancies

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

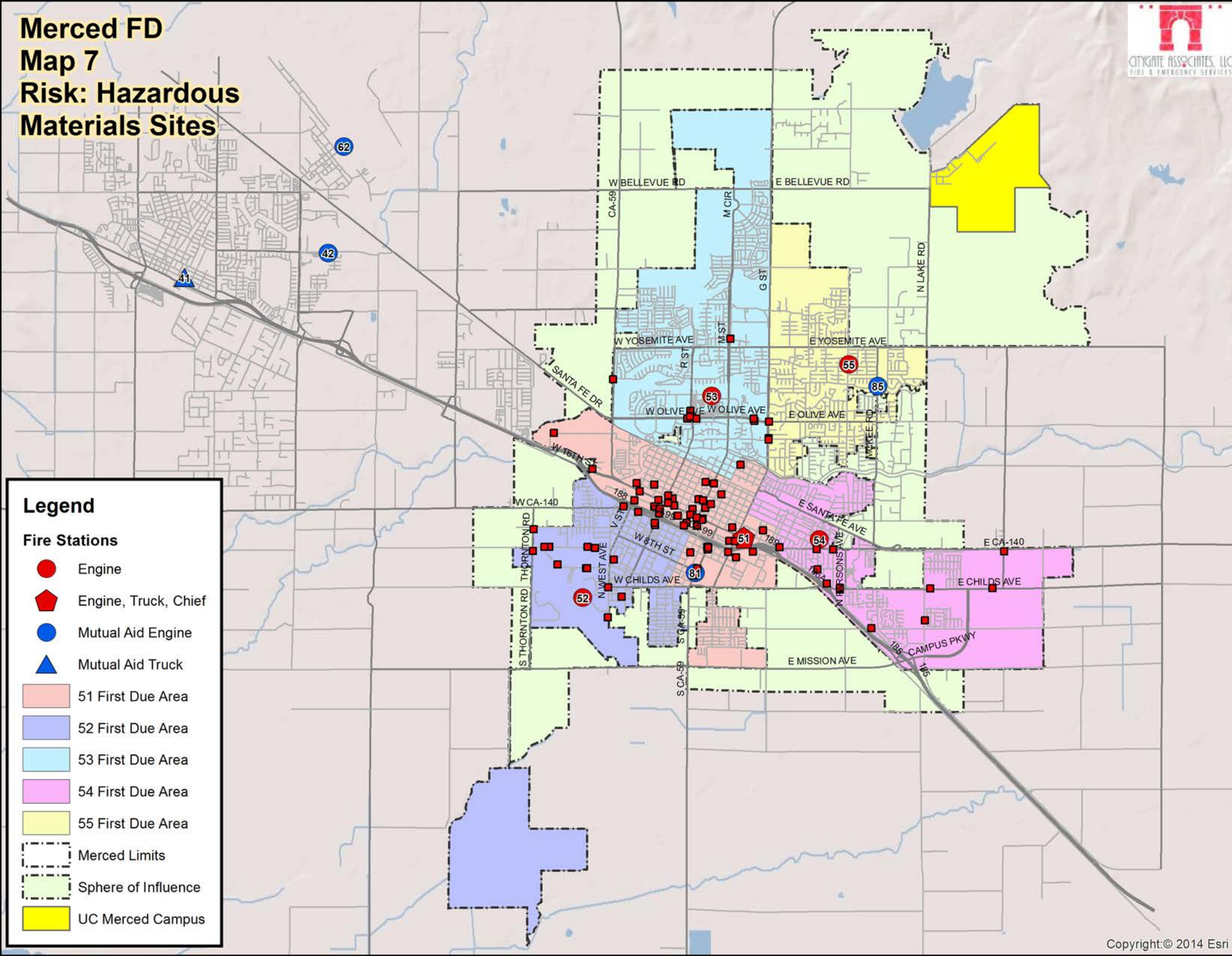
Legend

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

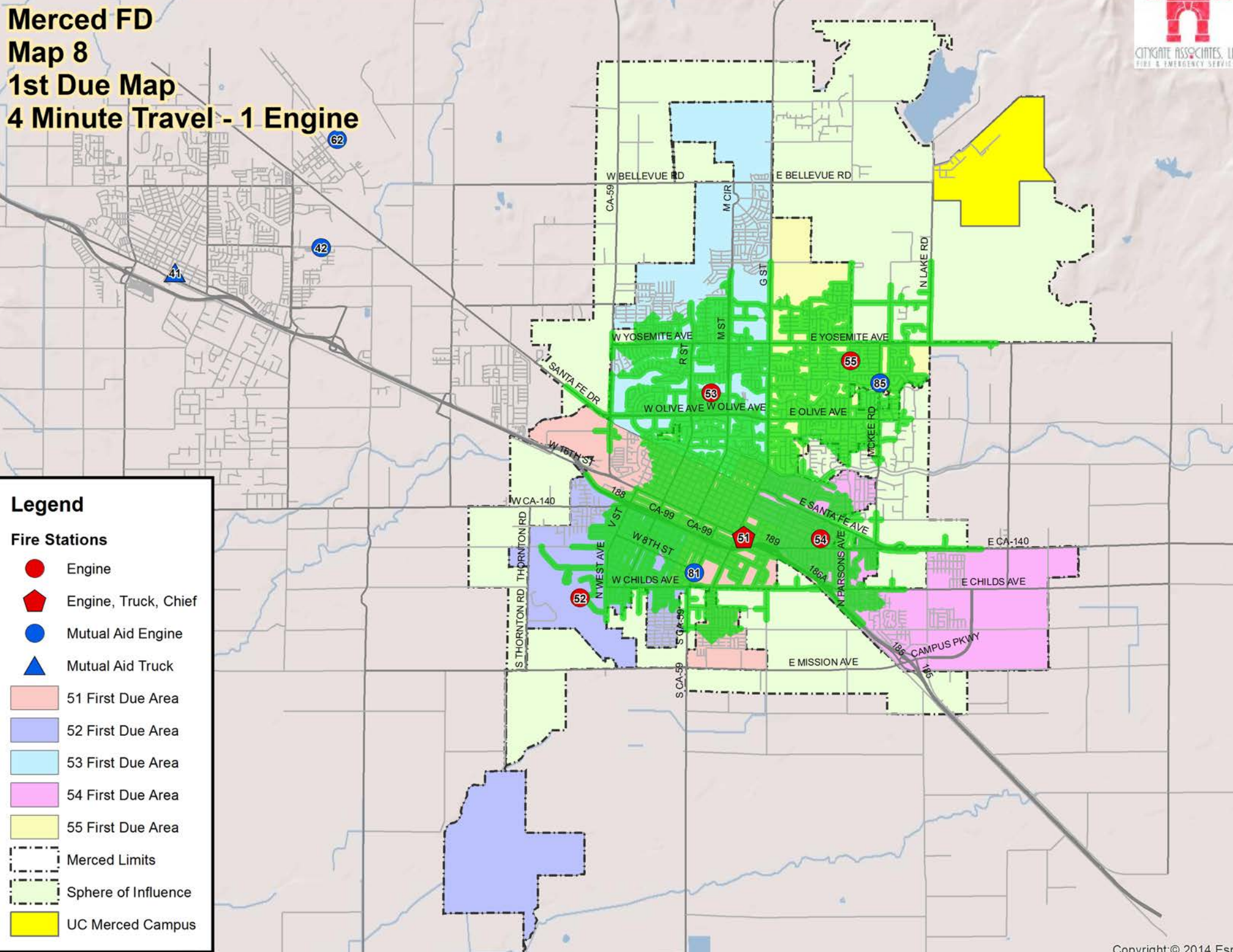
- Engine
- Engine, Truck, Chief
- Mutual Aid Engine
- Mutual Aid Truck

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

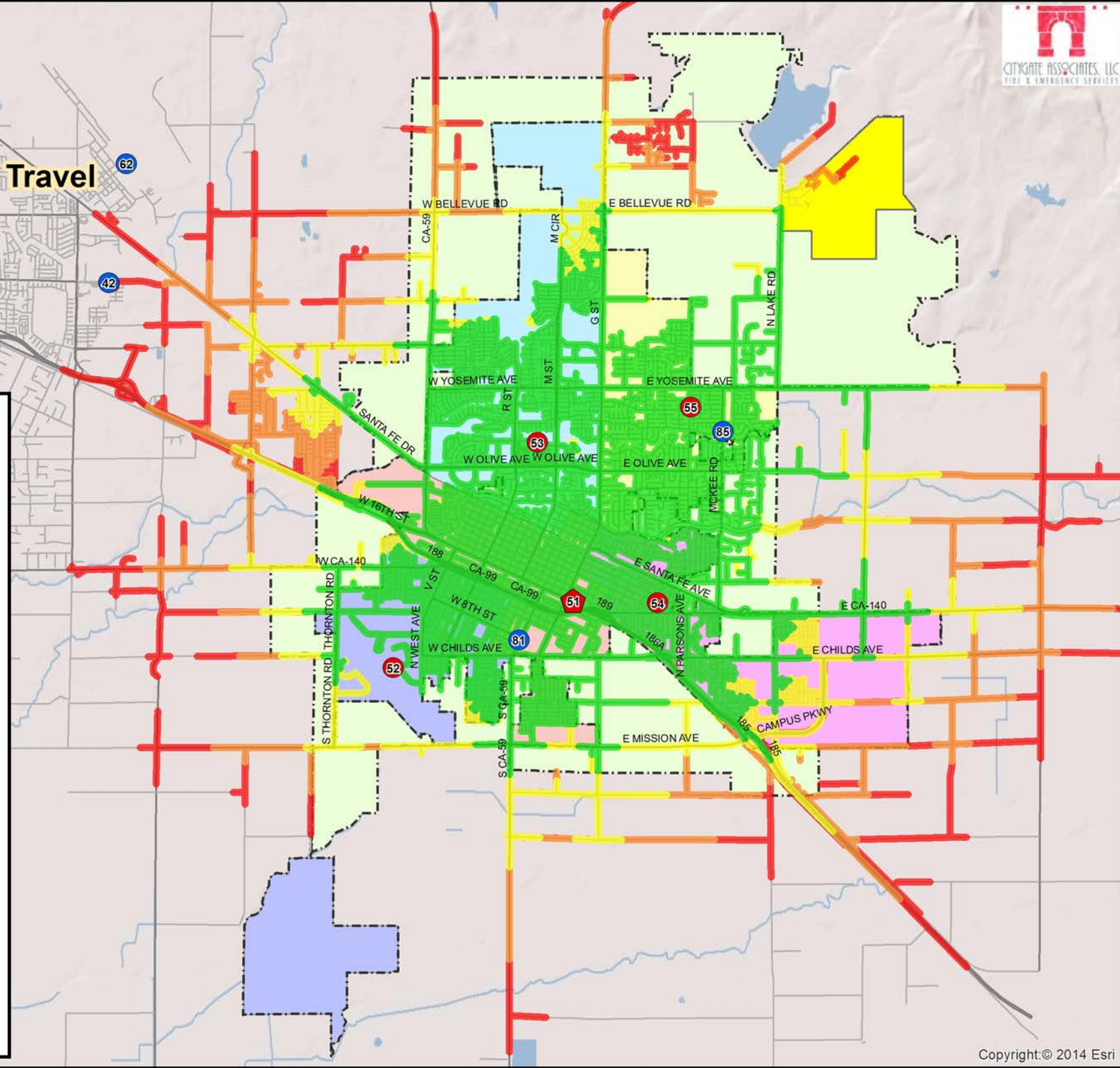
Legend

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

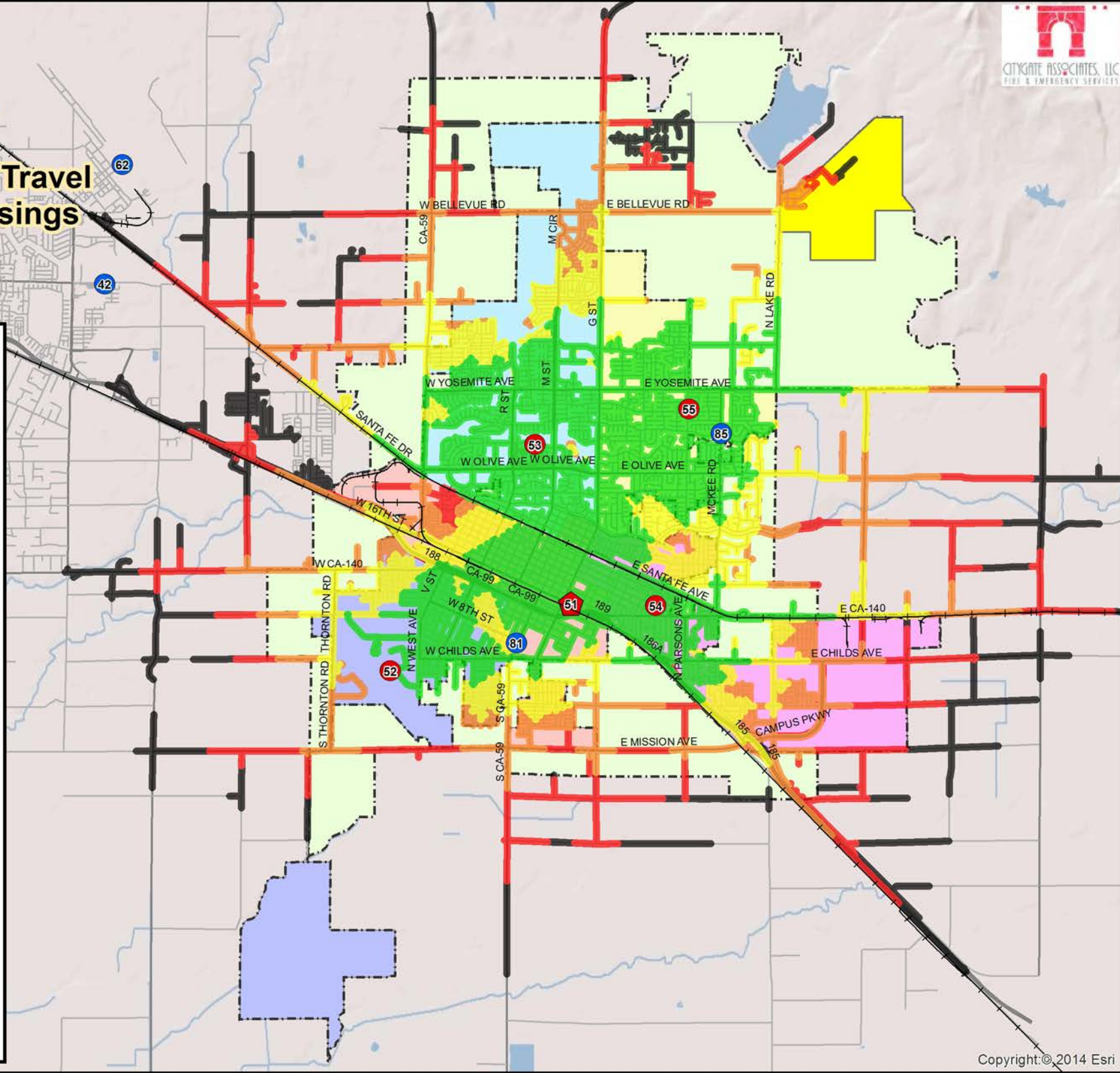
- Engine
- ◆ Engine, Truck, Chief
- Mutual Aid Engine
- ▲ Mutual Aid Truck

- 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
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Map 11

ISO 1.5 Mile Travel Distance

Legend

Fire Stations

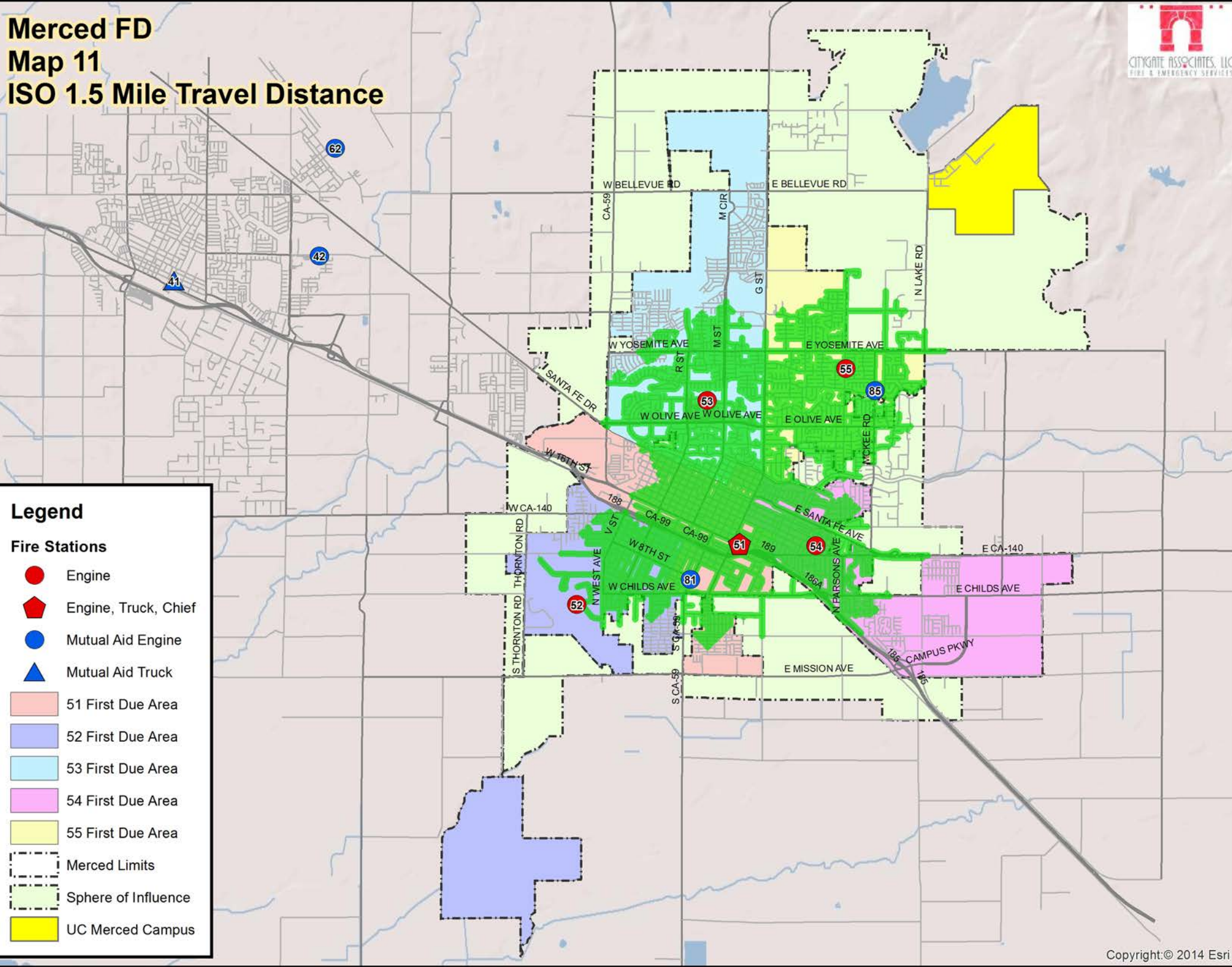
- Engine
- Engine, Truck, Chief
- Mutual Aid Engine
- Mutual Aid Truck

First Due Areas

- 51 First Due Area
- 52 First Due Area
- 53 First Due Area
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- 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

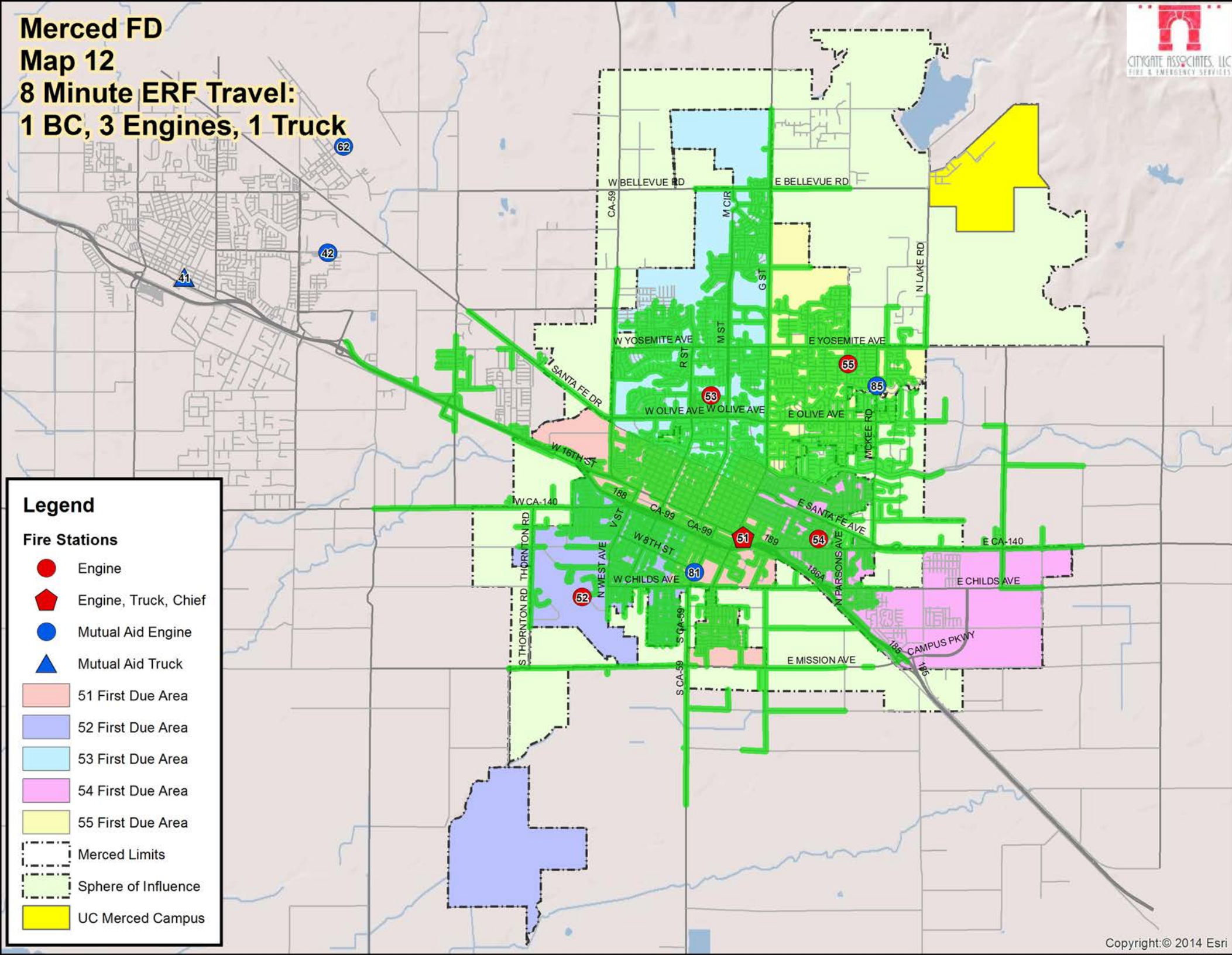
Legend

Fire Stations

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

- 51 First Due Area
- 52 First Due Area
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- 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

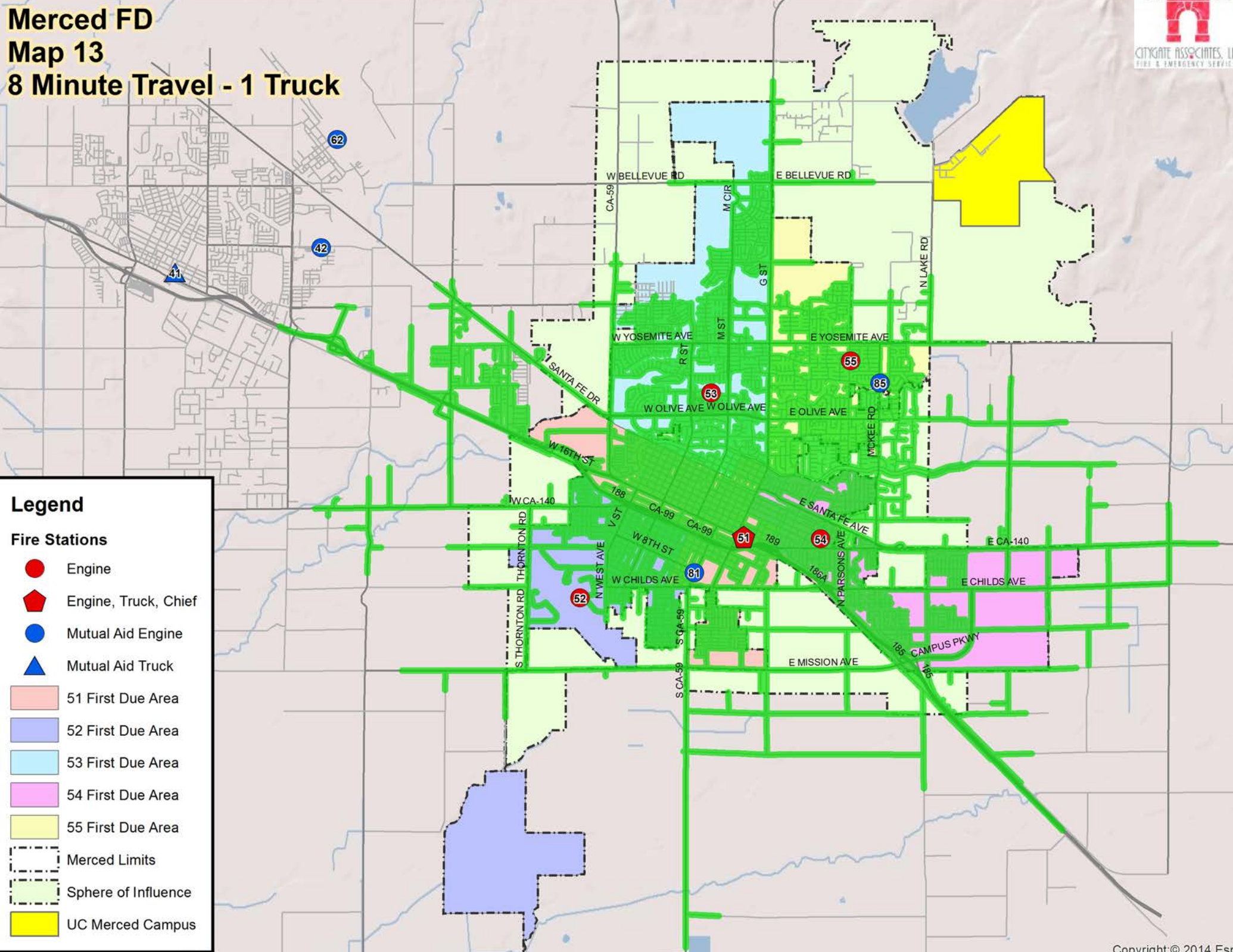
- Engine
- Engine, Truck, Chief
- Mutual Aid Engine
- Mutual Aid Truck

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 14

8 Minute Travel - 1 BC

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

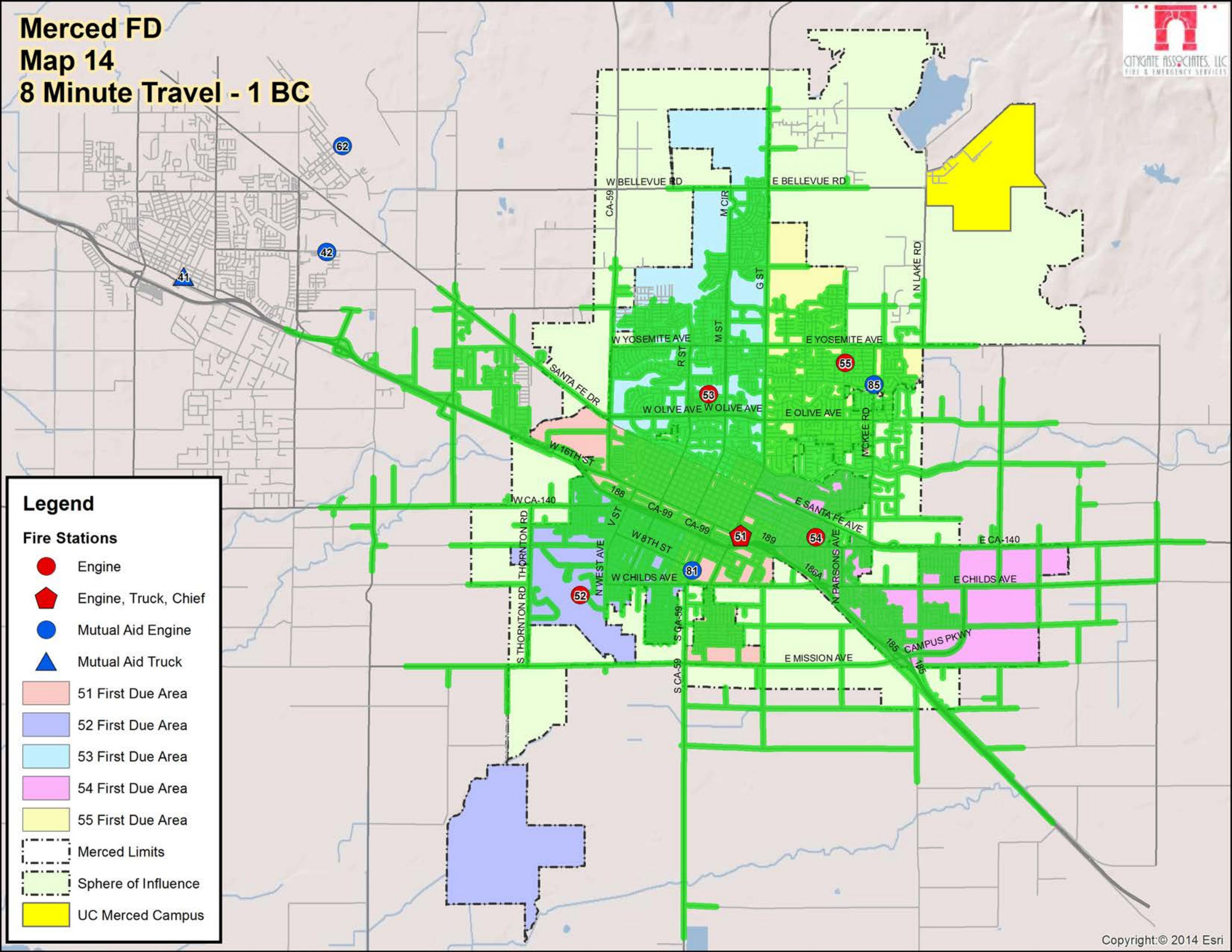
 54 First Due Area

 55 First Due Area

 Merced Limits

 Sphere of Influence

 UC Merced Campus



Merced FD

Map 15

All Incidents

1/1/2014 - 12/31/2016

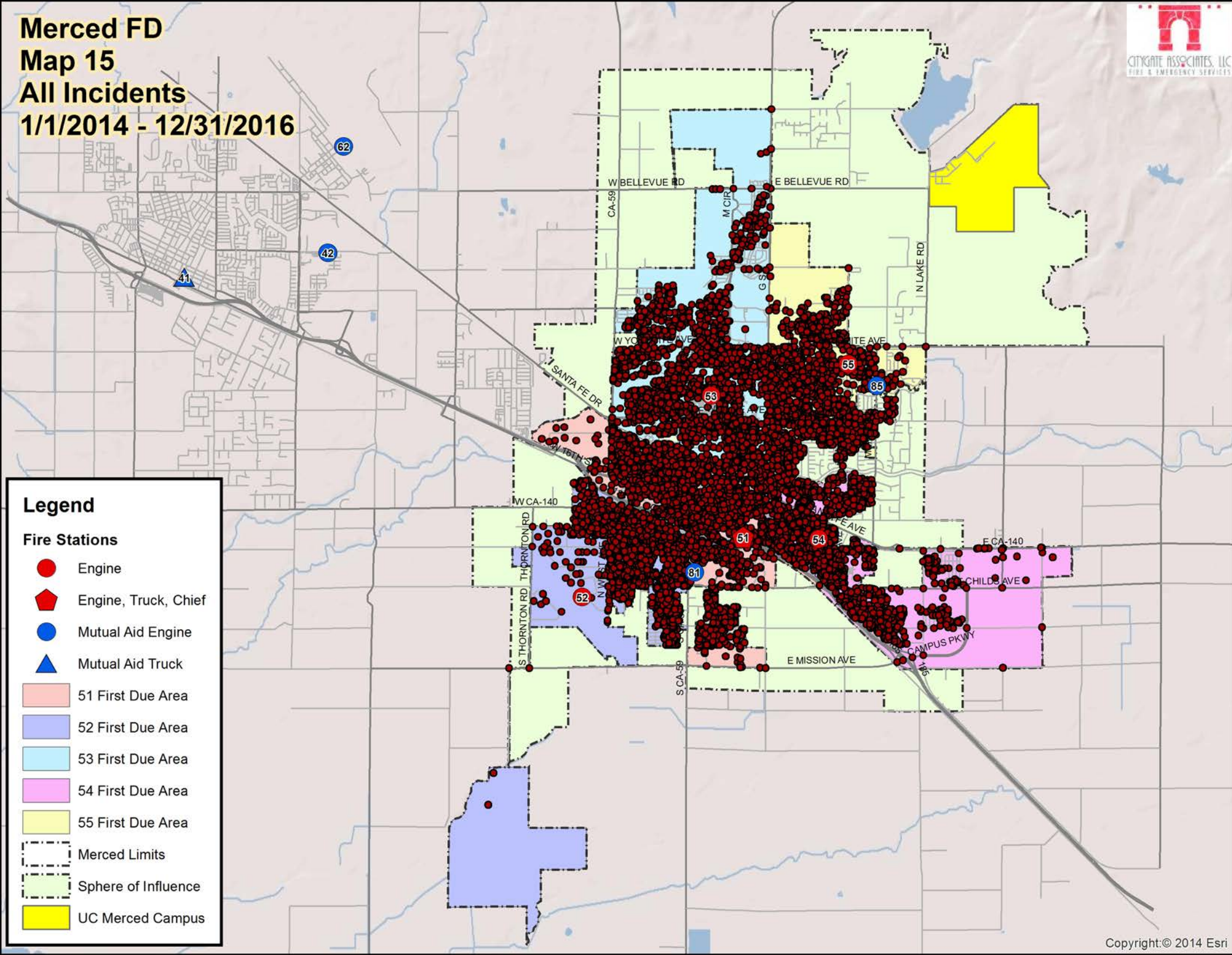
Legend

Fire Stations

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

- 51 First Due Area
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- 55 First Due Area

- Merced Limits
- Sphere of Influence
- UC Merced Campus



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Map 16

All EMS & Rescue Incident

1/1/2014 - 12/31/2016

Legend

Fire Stations

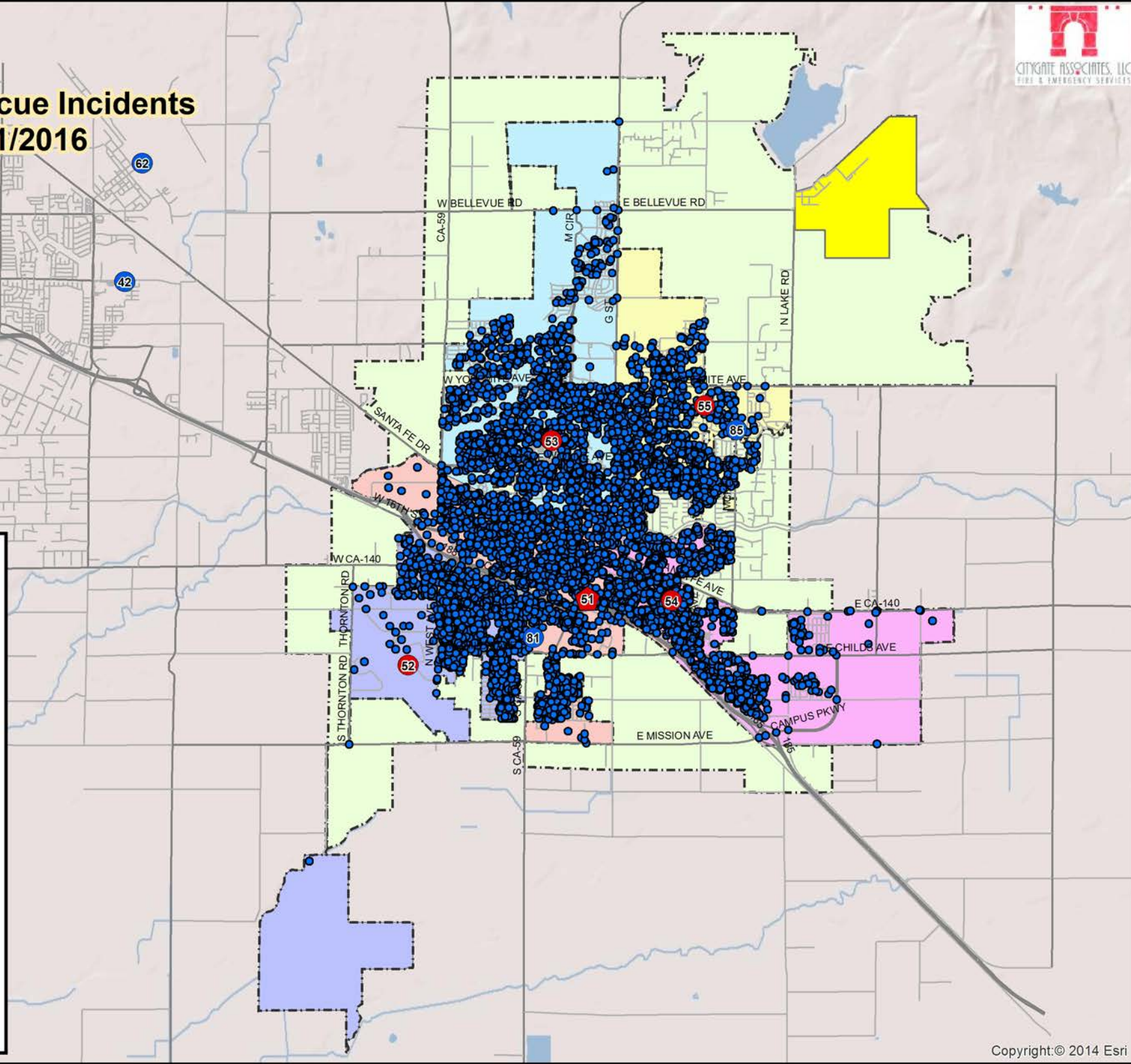
- Engine
- Engine, Truck, Chief
- Mutual Aid Engine
- Mutual Aid Truck

First Due Areas

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

Boundaries

- Merced Limits
- Sphere of Influence
- UC Merced Campus



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Map 17

All Fires

1/1/2014 - 12/31/2016

Legend

Fire Stations

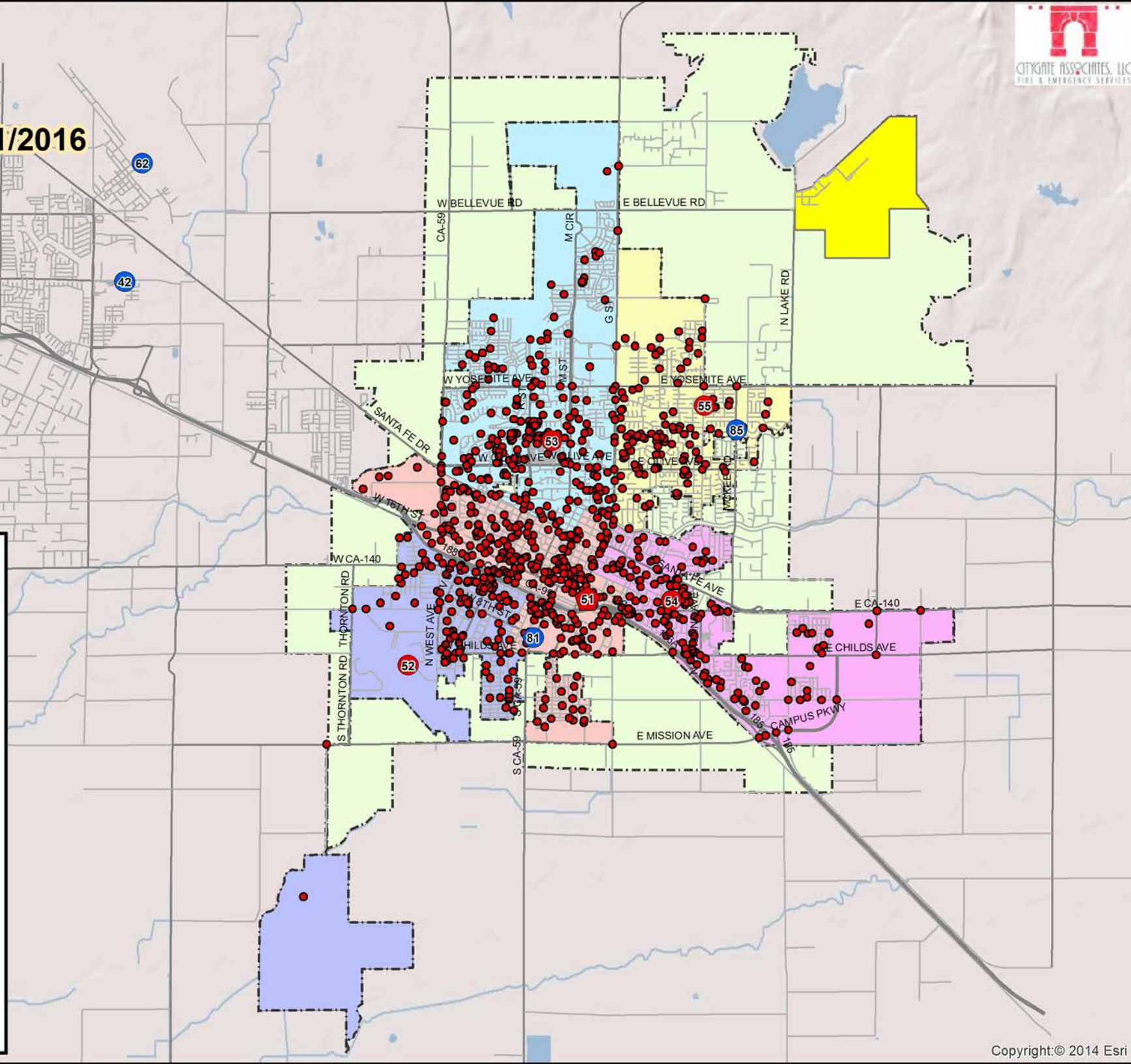
- Engine
- Engine, Truck, Chief
- Mutual Aid Engine
- Mutual Aid Truck

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



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Map 18

All Structure Fires

1/1/2014 - 12/31/2016

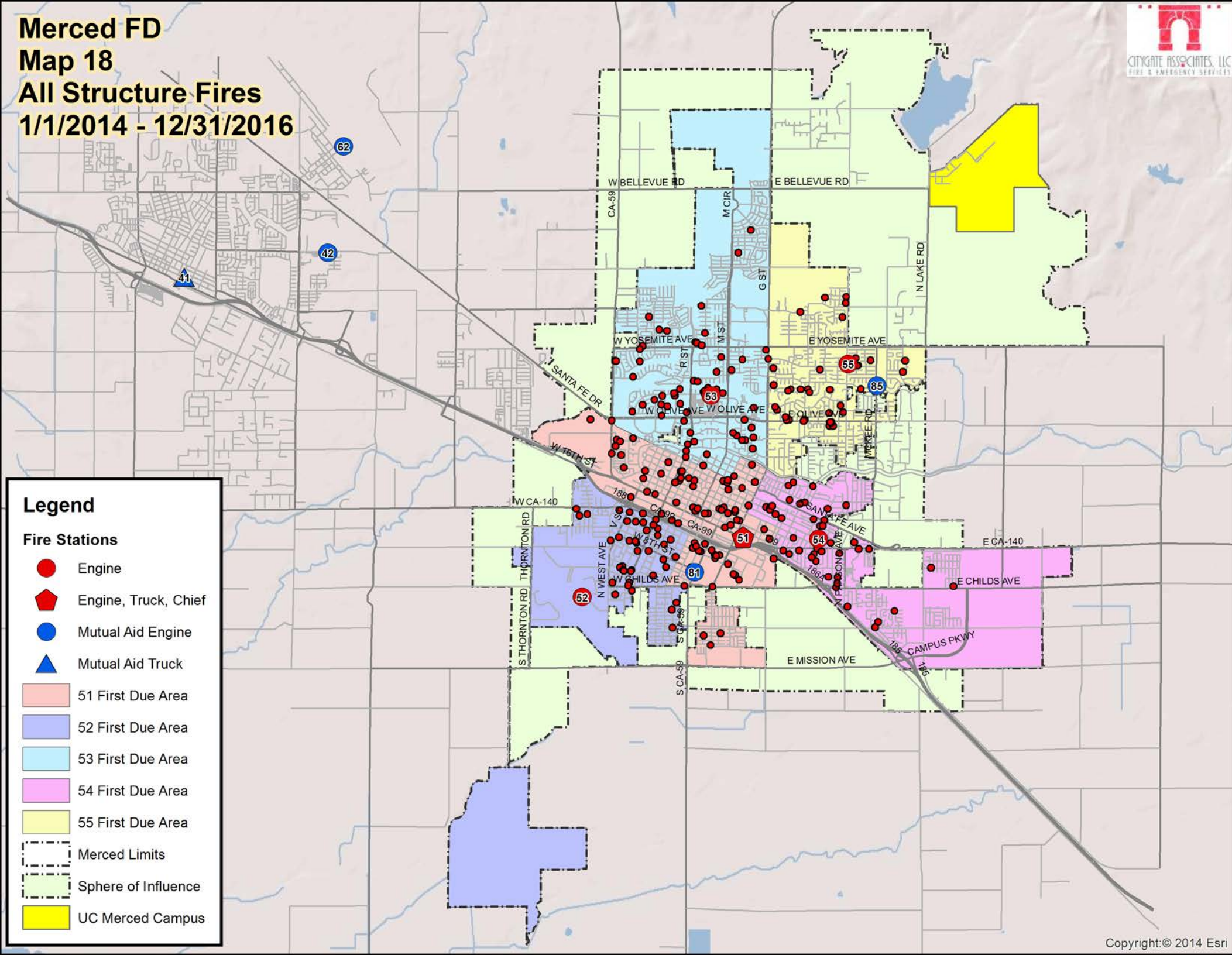
Legend

Fire Stations

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

- 51 First Due Area
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- 54 First Due Area
- 55 First Due Area

- Merced Limits
- Sphere of Influence
- UC Merced Campus



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Map 19

EMS & Rescue Hot Spots

1/1/2014 - 12/31/2016

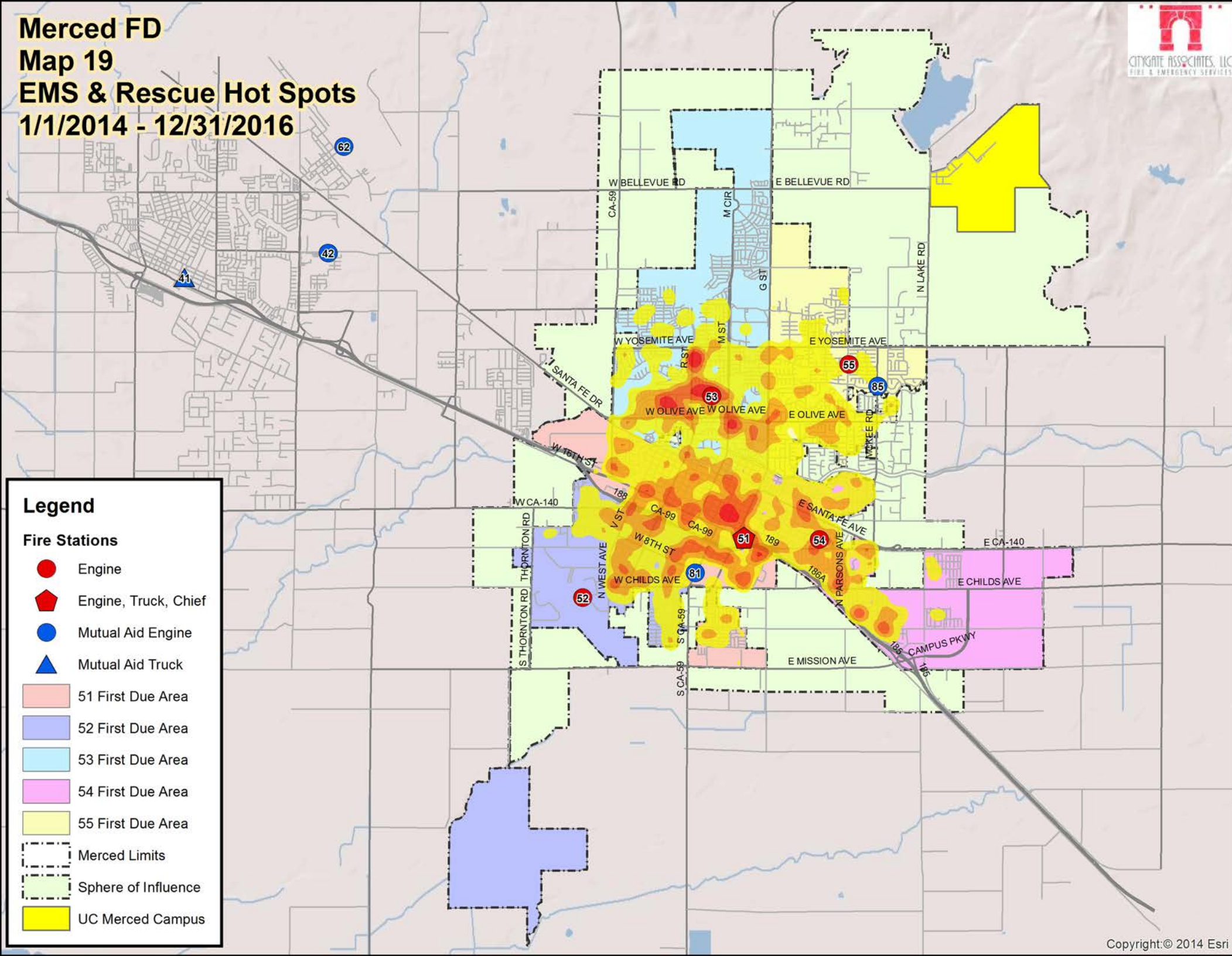
Legend

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
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CITYGATE ASSOCIATES, LLC
FIRE & EMERGENCY SERVICES



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
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