

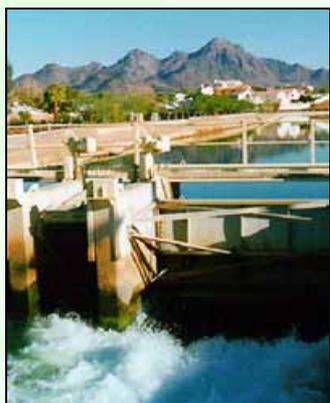
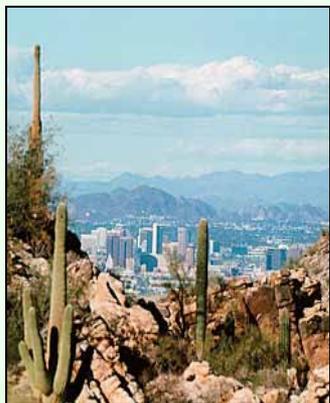


Update on MAG Five Percent Plan for PM-10

MAG Air Quality Technical Advisory Committee

May 24, 2011

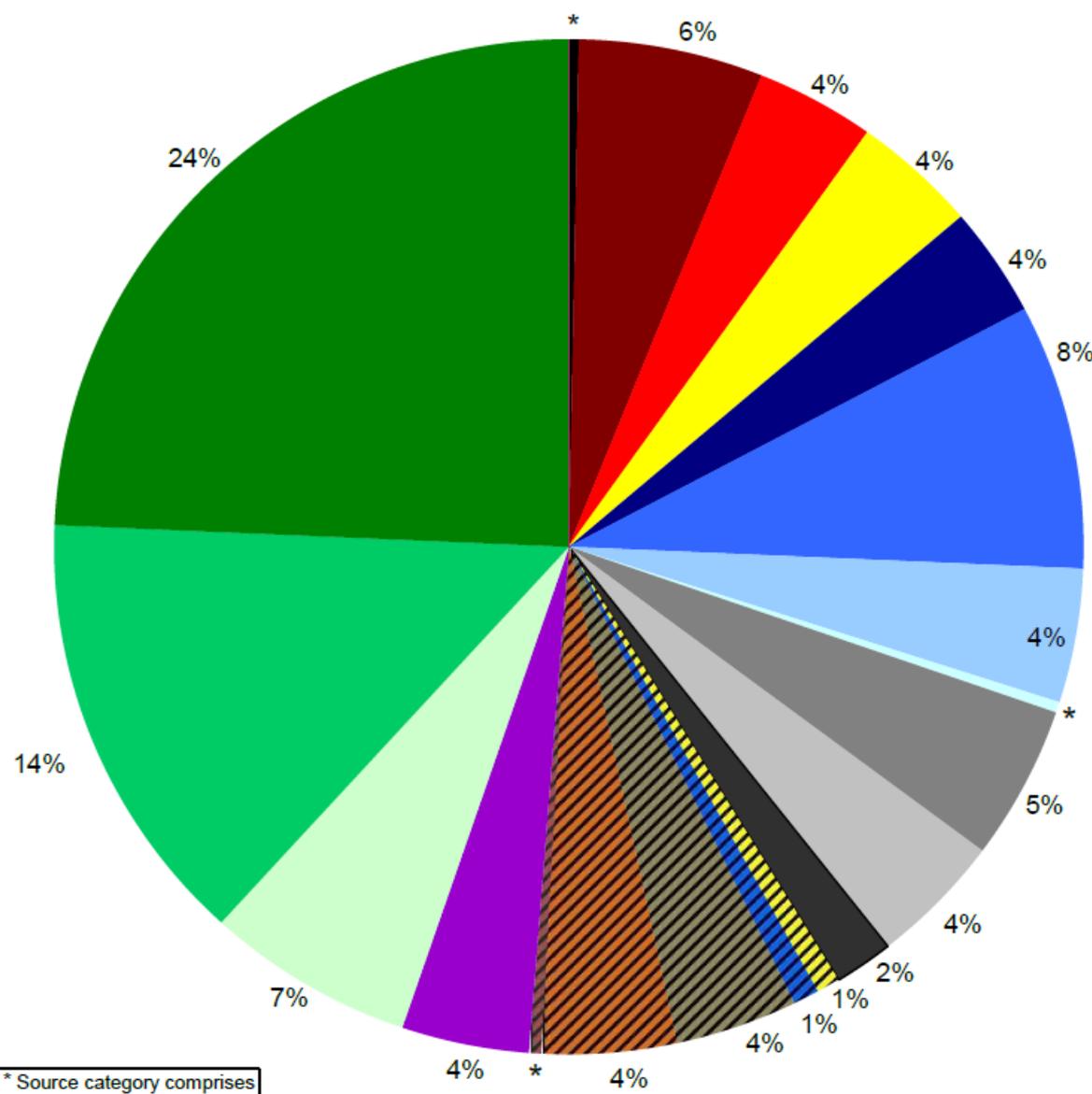
Prevention Activities Underway



- n **City of Phoenix Dust Reduction Task Force – Short term goals – April 15, 2011 Long term goals – May 15, 2011**
- n **Maricopa County upgrades to provide “near real time” monitor data to prevent exceedances – May 31, 2011**
- n **MAG PM-10 Prevention Video – May 31, 2011**
- n **Network established to prevent PM-10 exceedances region wide**
- n **Maricopa County is coordinating with MAG member agencies to avoid duplication**
- n **MAG has developed a Rapid Response Action Plan Template and Tool Kit**
- n **MAG held a second workshop with local governments, Maricopa County, and ADEQ – April 21, 2011**
 - l Leadership from city management needed to engage all necessary departments in the Rapid Response Action Plan
- n **MAG will hold a third workshop on May 26, 2011**
- n **ADEQ is sending out the Maricopa County Dust Control Action Forecast 5 days in advance**

REVISED 2008 PM₁₀ Emissions Inventory (March 2011)

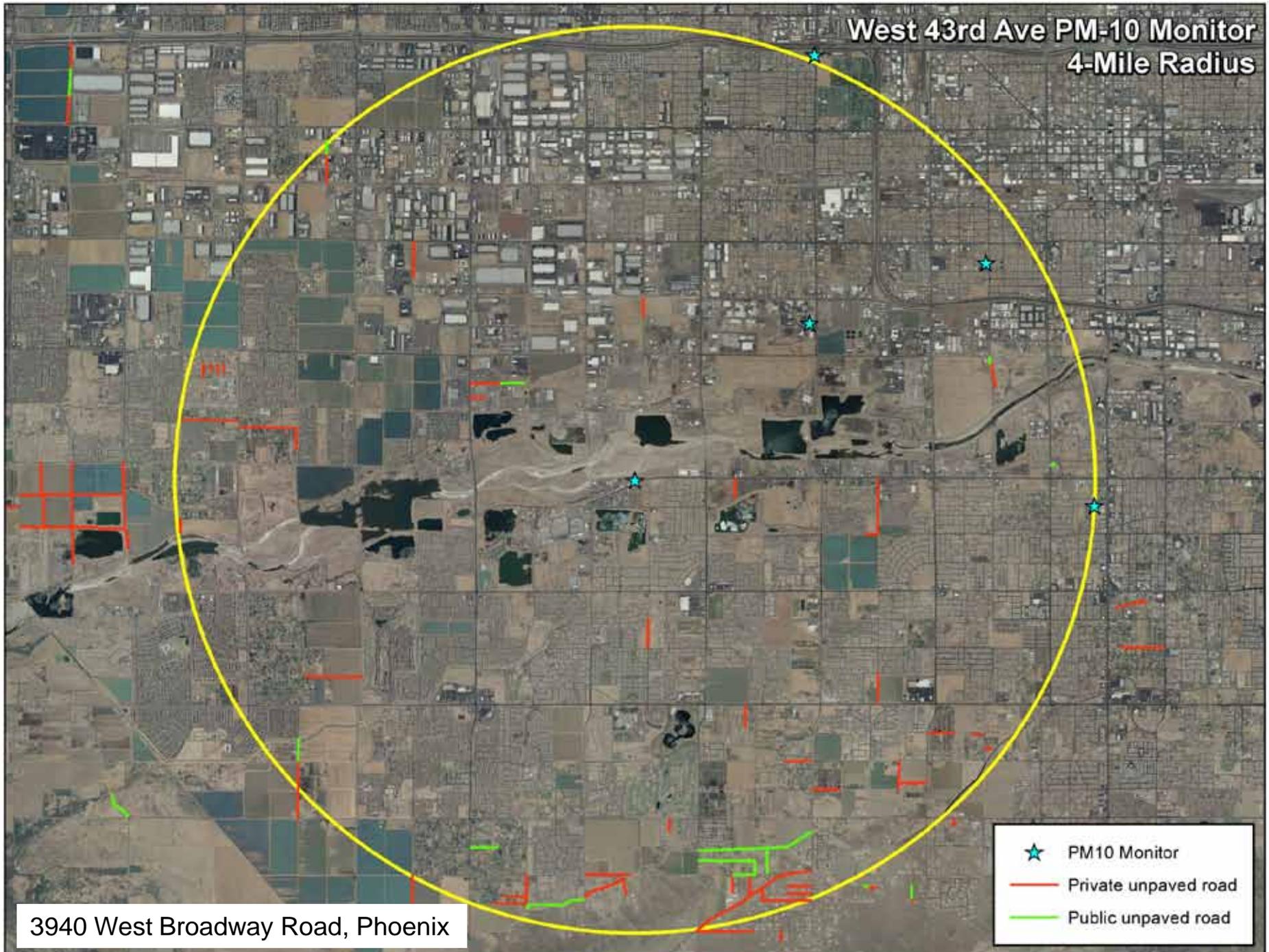
PM₁₀ NAA Total = 48,148 tons/yr



Source Categories		%
Major stationary point sources		<0.5%
All other industrial processes		(6%)
Fuel combustion and fires		(4%)
Agricultural tilling/harvesting		(4%)
Construction, residential		(4%)
Construction, commercial		(8%)
Construction, road		(4%)
Other earthmvg: trenching, weed control		<0.5%
Travel on unpaved parking lots		(5%)
Offroad recreational vehicles fugitive dust		(4%)
Leaf blowers fugitive dust		(2%)
Windblown: agricultural land		(1%)
Windblown: developing land		(1%)
Windblown: vacant land		(4%)
Windblown: open areas		(4%)
Windblown: S&G, landfills, test tracks		<0.5%
Nonroad mobile sources		(4%)
Vehicle exhaust, tire wear, brake wear		(7%)
Paved road fugitive dust, including trackout		(14%)
Unpaved road fugitive dust		(24%)

* Source category comprises less than 0.5% of total.

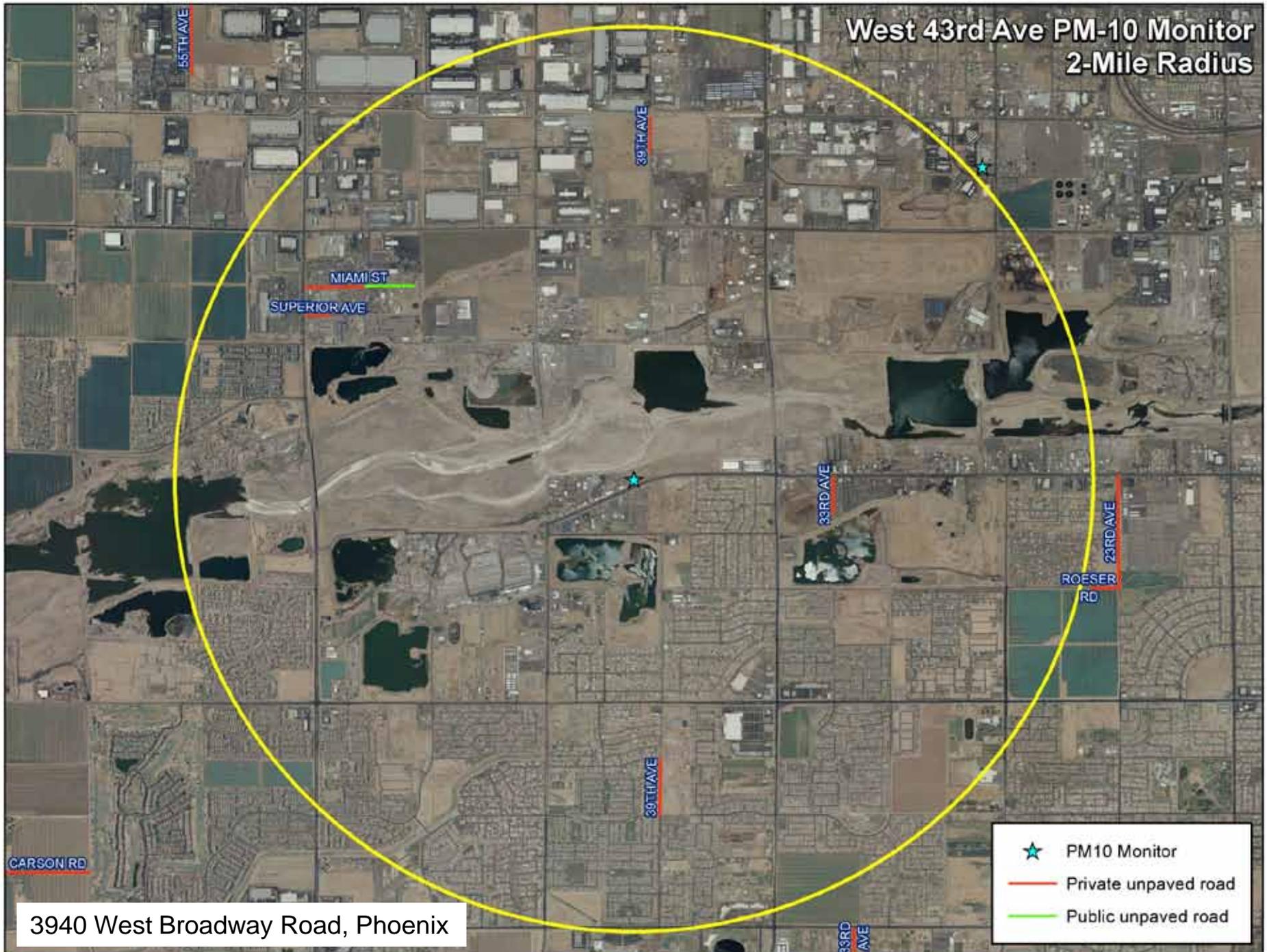
West 43rd Ave PM-10 Monitor
4-Mile Radius



3940 West Broadway Road, Phoenix

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

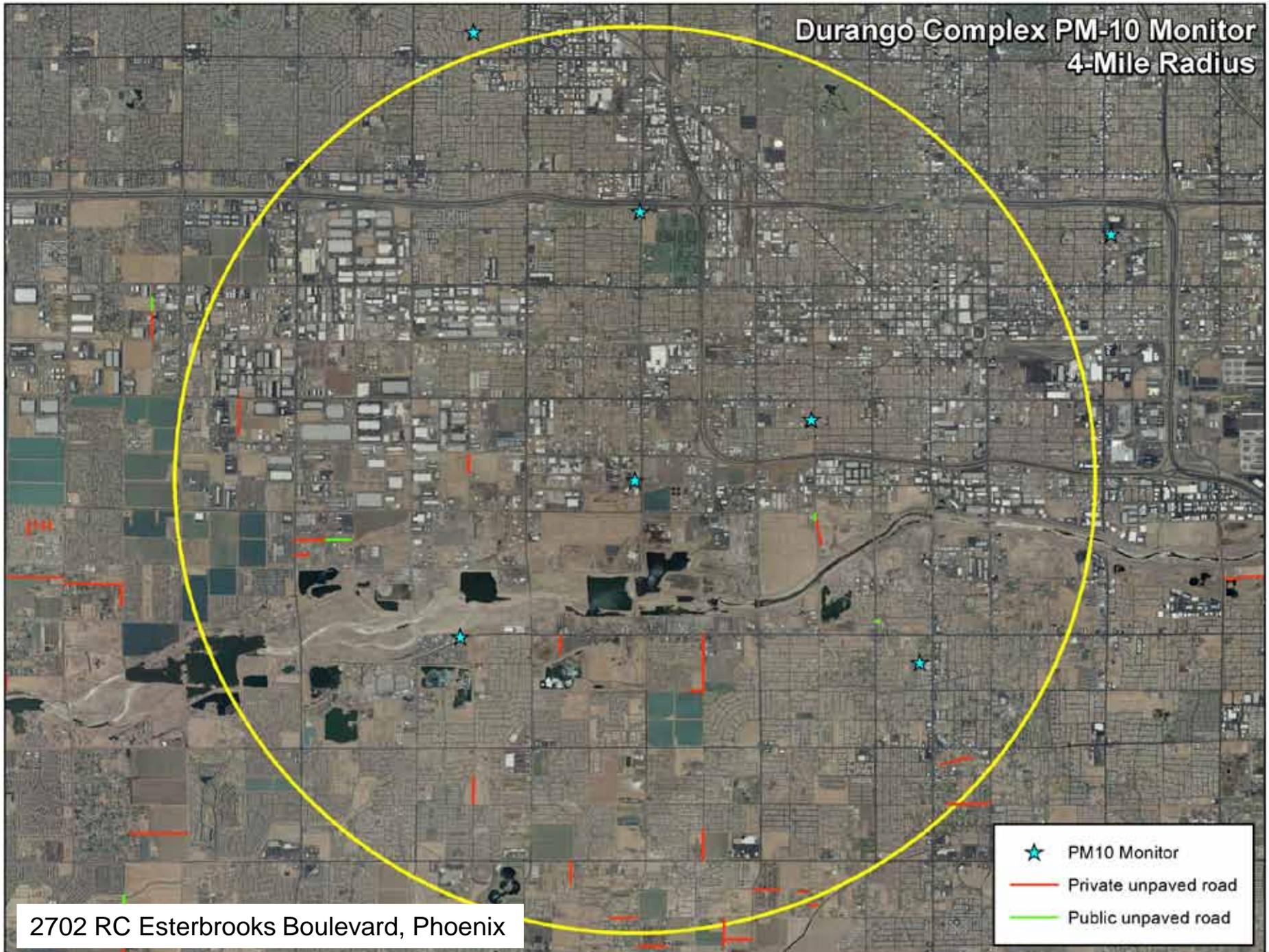
West 43rd Ave PM-10 Monitor 2-Mile Radius



3940 West Broadway Road, Phoenix

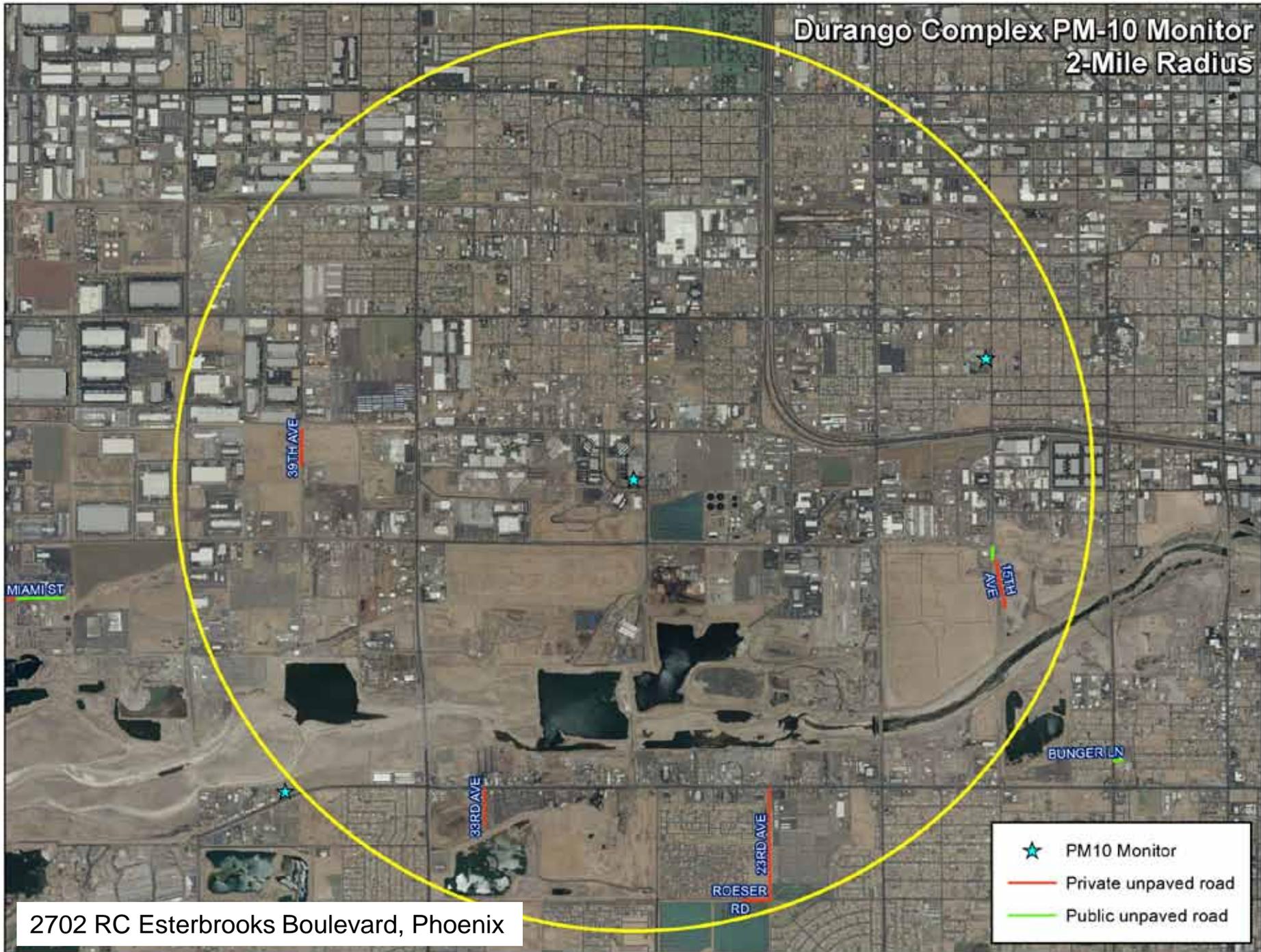
- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

Durango Complex PM-10 Monitor
4-Mile Radius



2702 RC Esterbrooks Boulevard, Phoenix

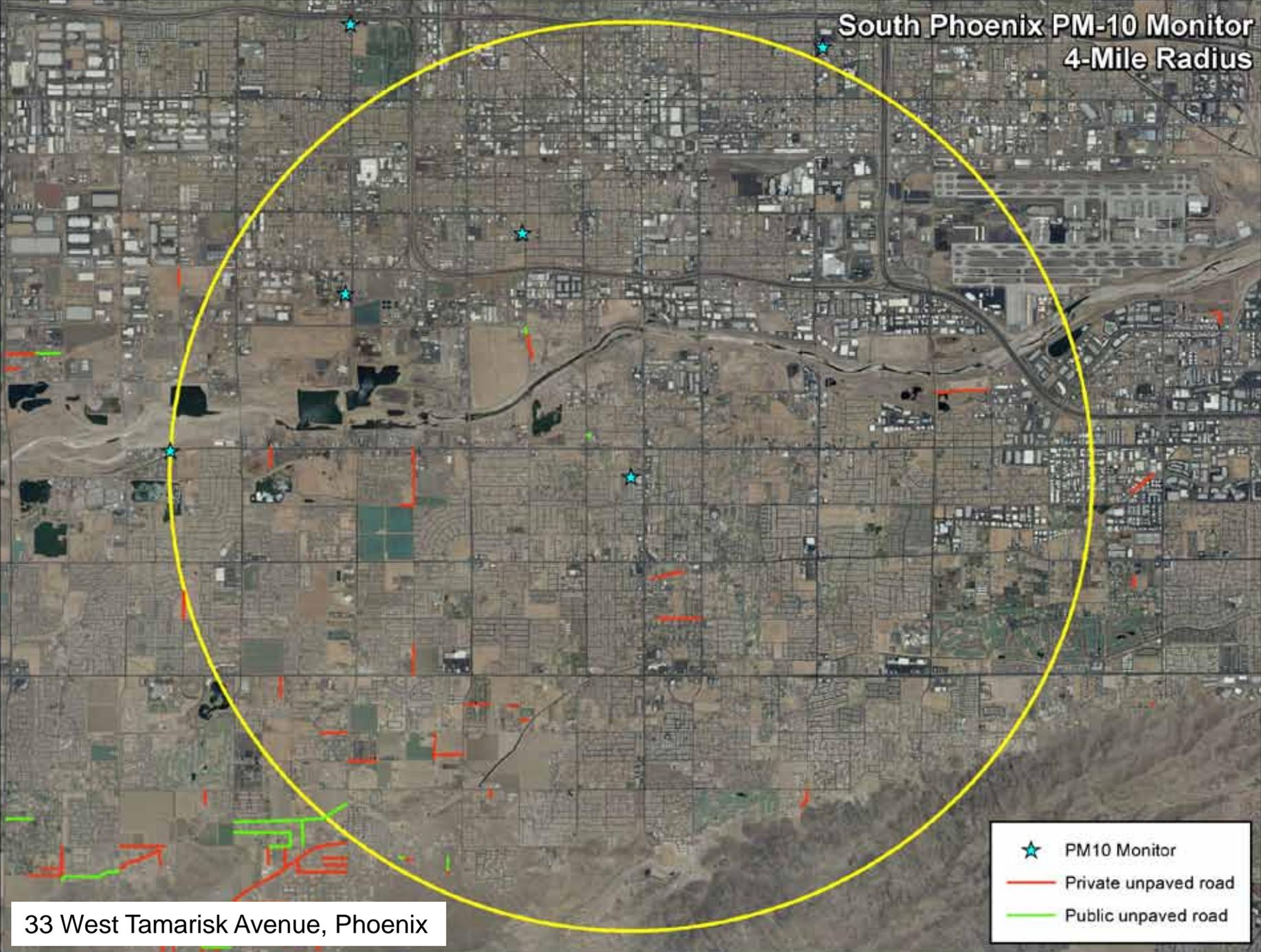
Durango Complex PM-10 Monitor 2-Mile Radius



2702 RC Esterbrooks Boulevard, Phoenix

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

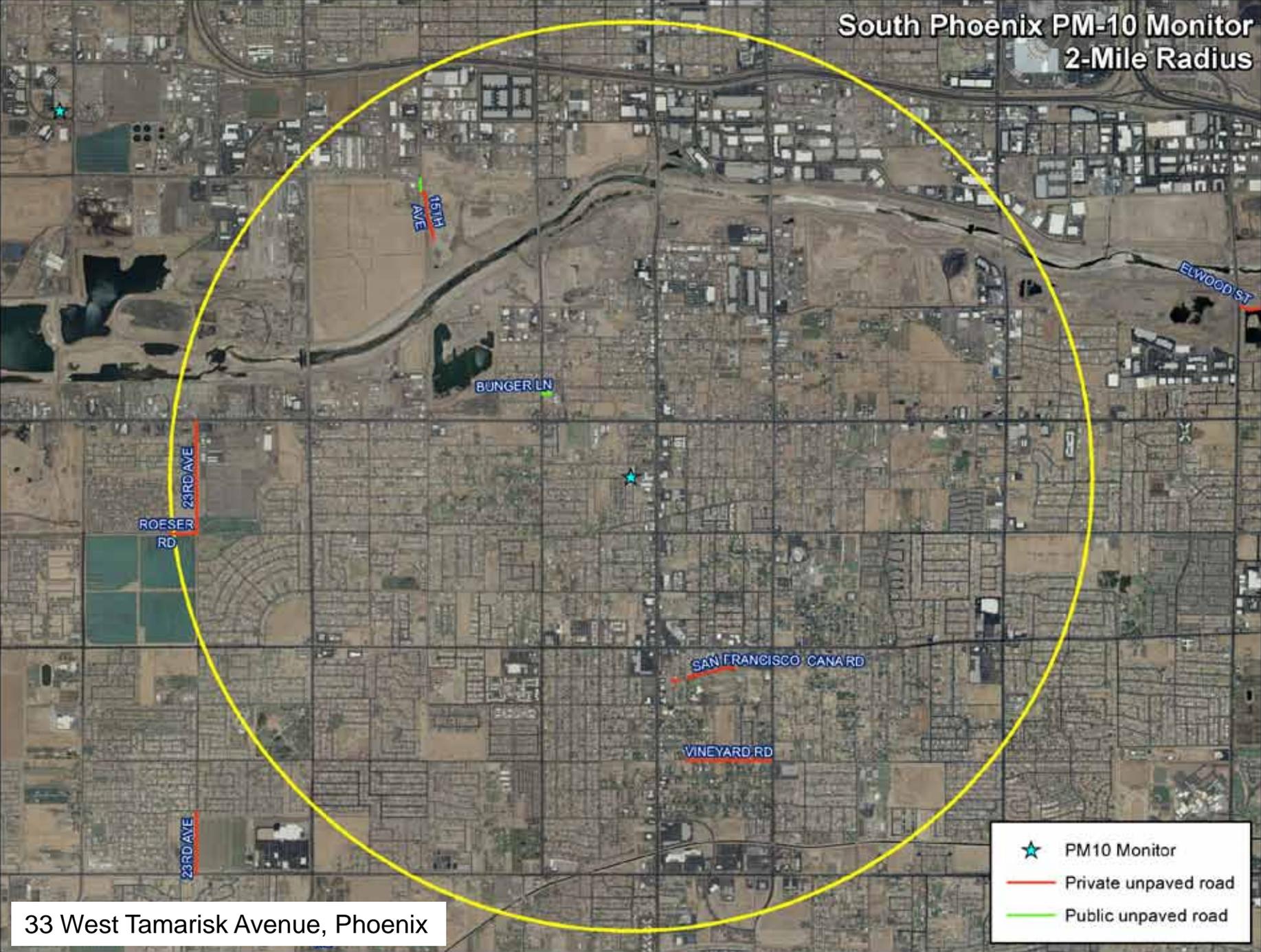
South Phoenix PM-10 Monitor
4-Mile Radius



33 West Tamarisk Avenue, Phoenix

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

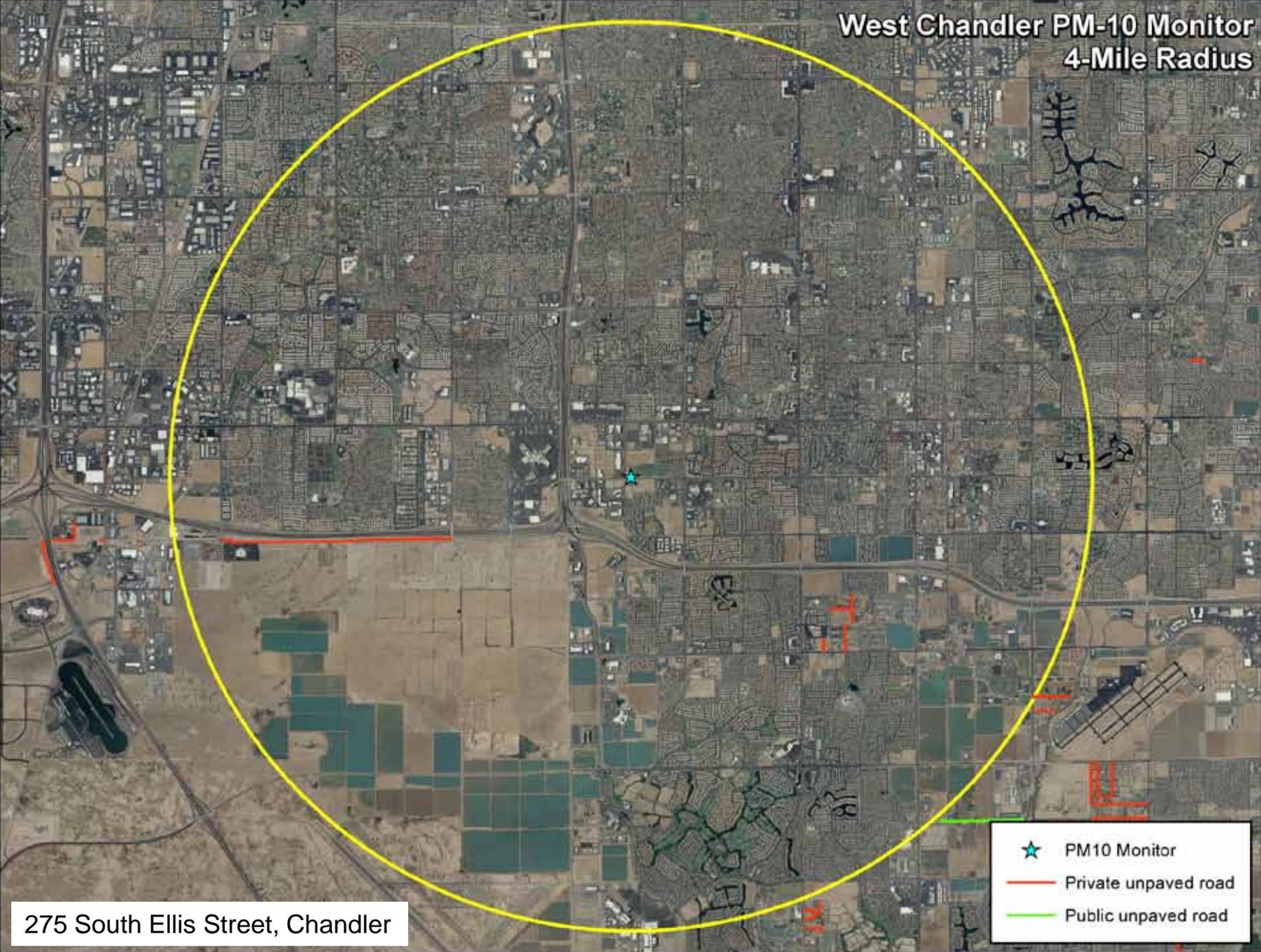
South Phoenix PM-10 Monitor 2-Mile Radius



33 West Tamarisk Avenue, Phoenix

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

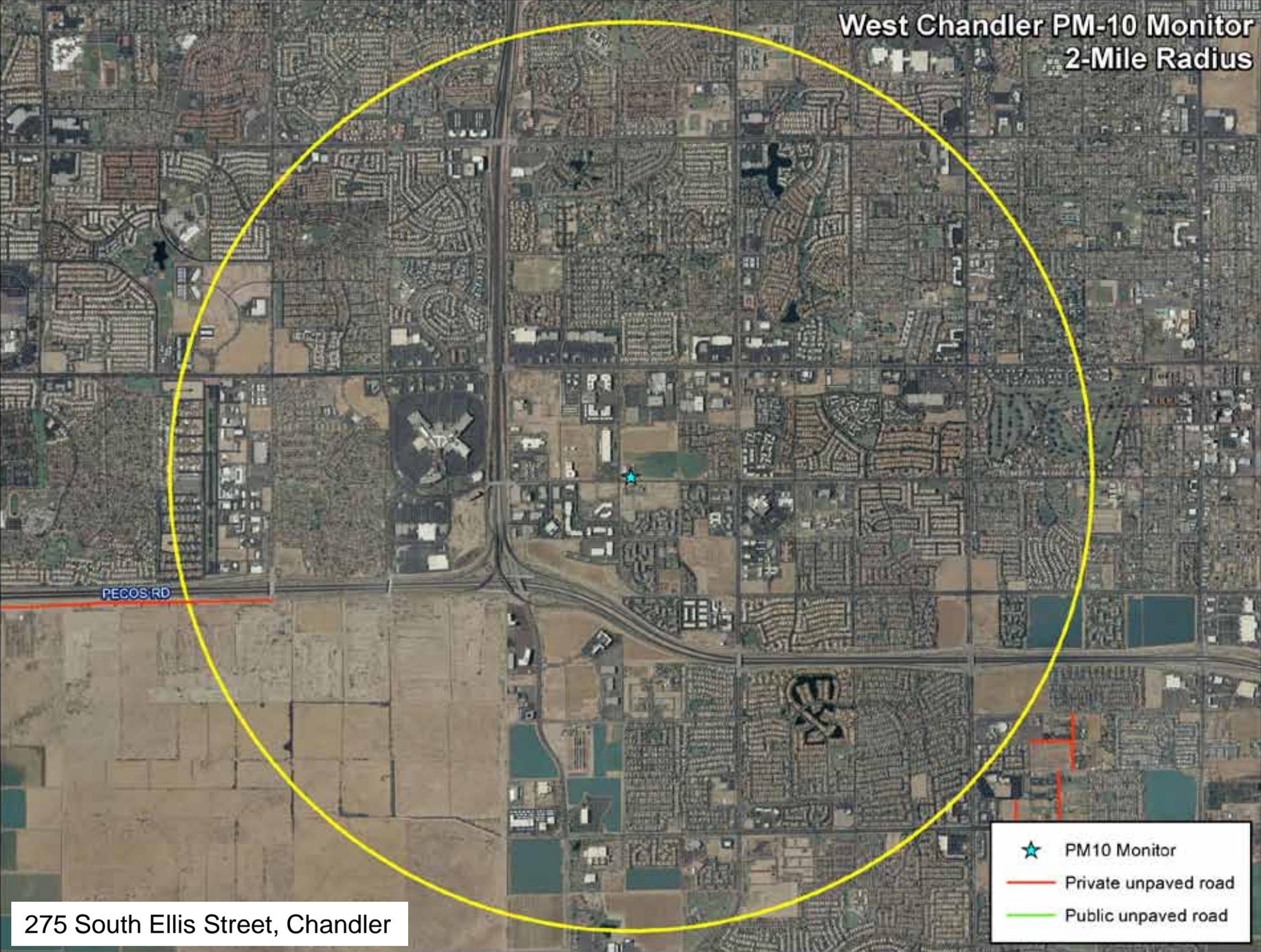
West Chandler PM-10 Monitor 4-Mile Radius



275 South Ellis Street, Chandler

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

West Chandler PM-10 Monitor
2-Mile Radius



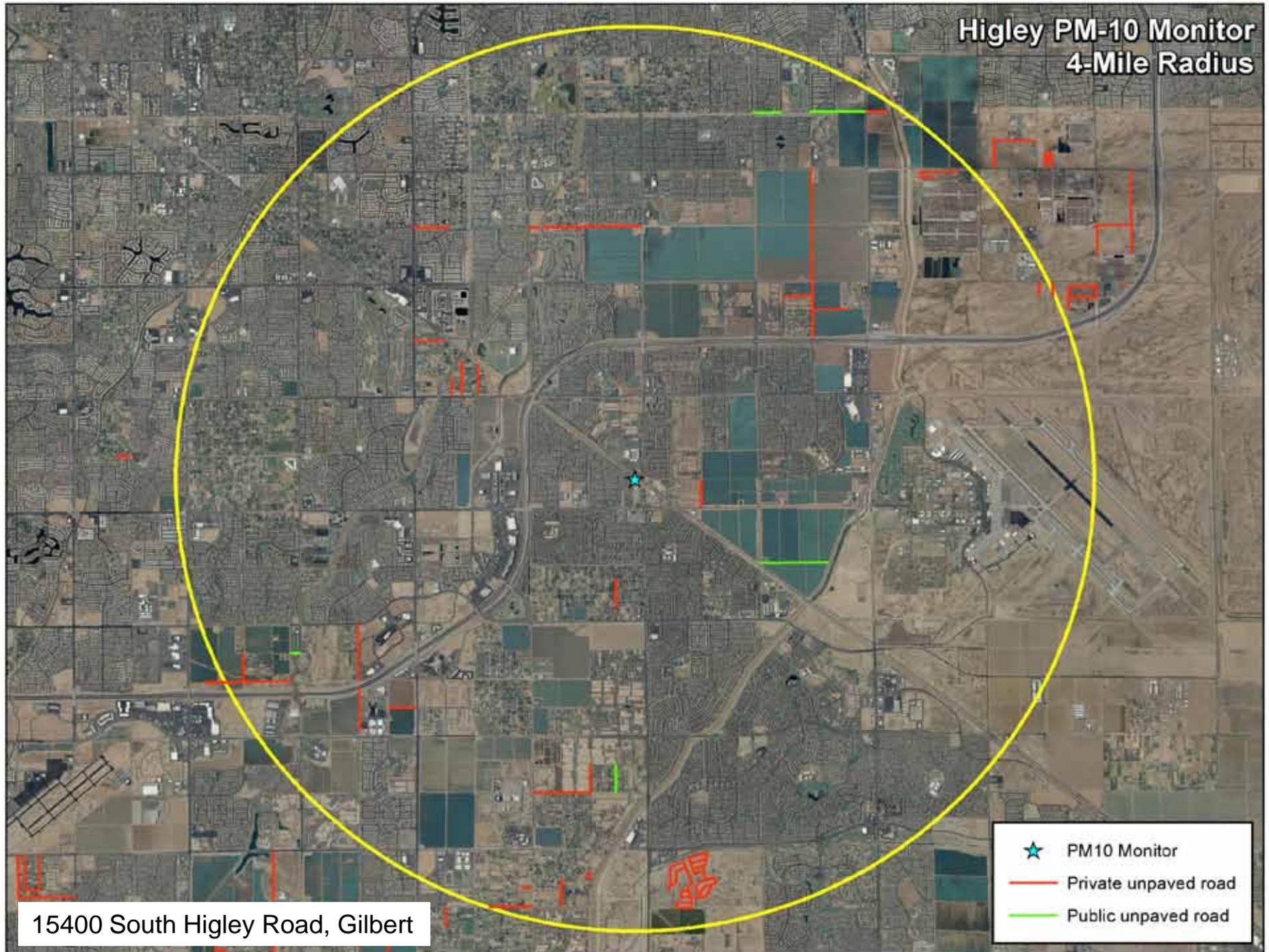
PECOS RD



- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

275 South Ellis Street, Chandler

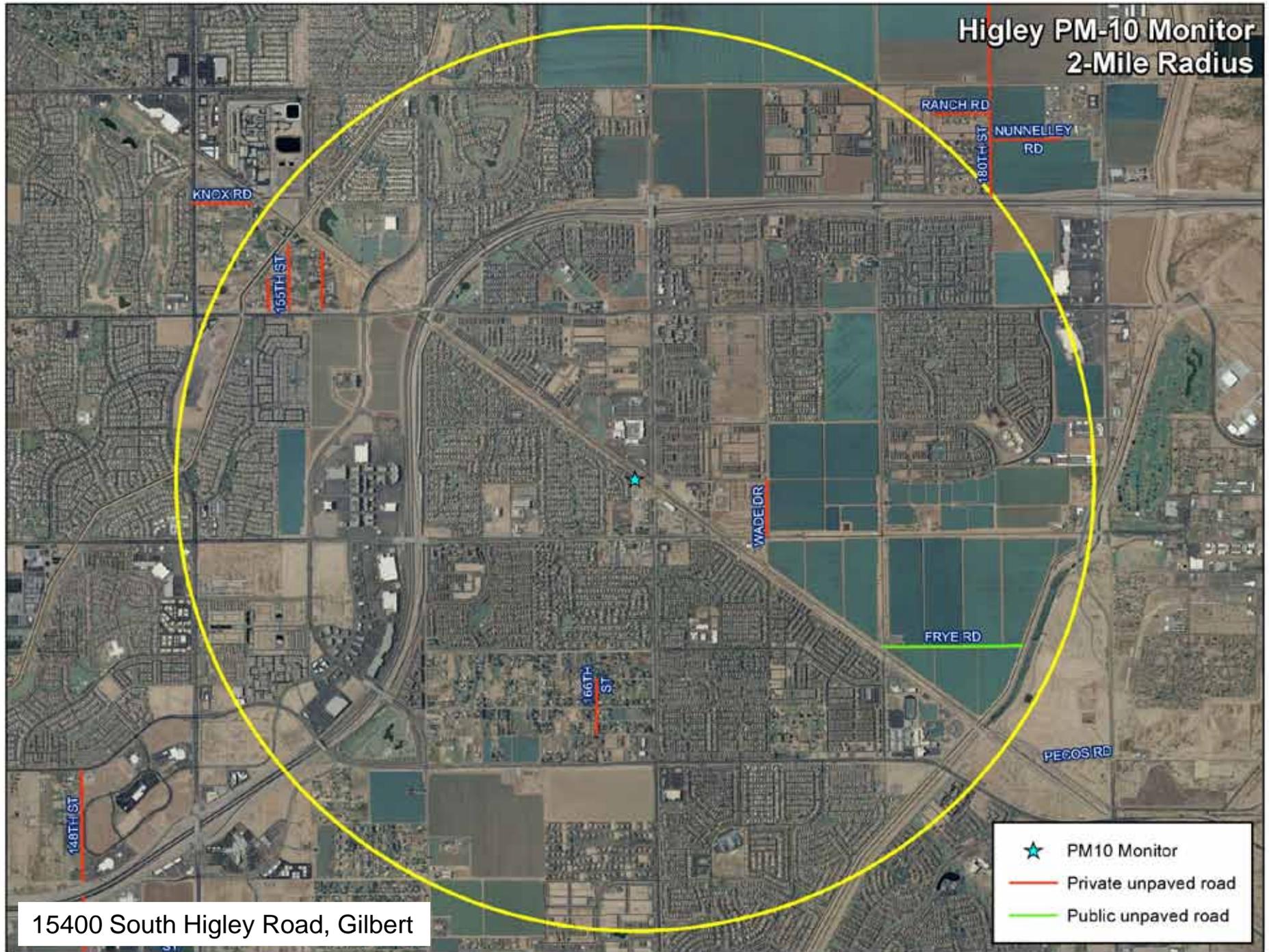
Higley PM-10 Monitor 4-Mile Radius



15400 South Higley Road, Gilbert

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

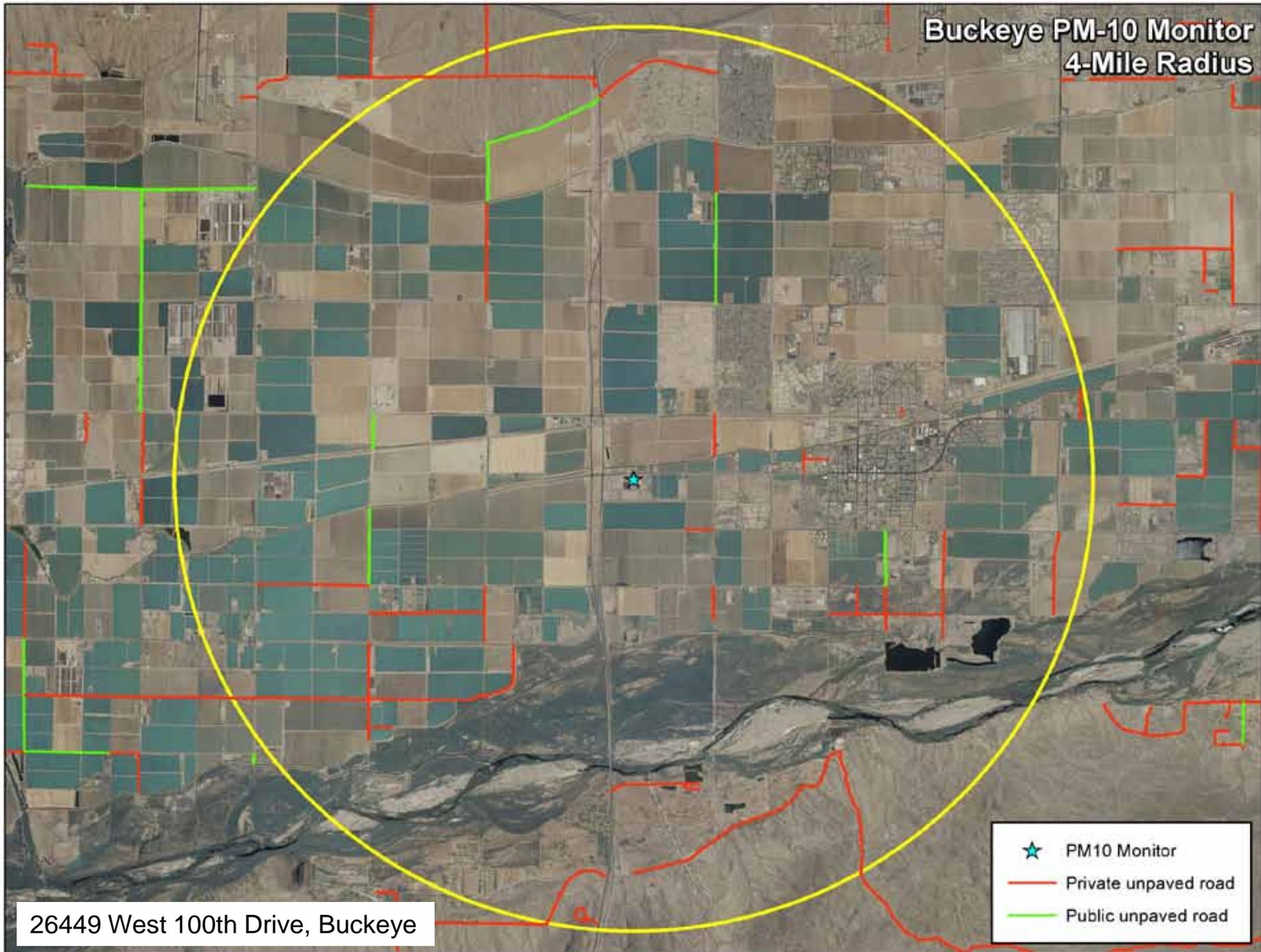
Higley PM-10 Monitor 2-Mile Radius



15400 South Higley Road, Gilbert

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

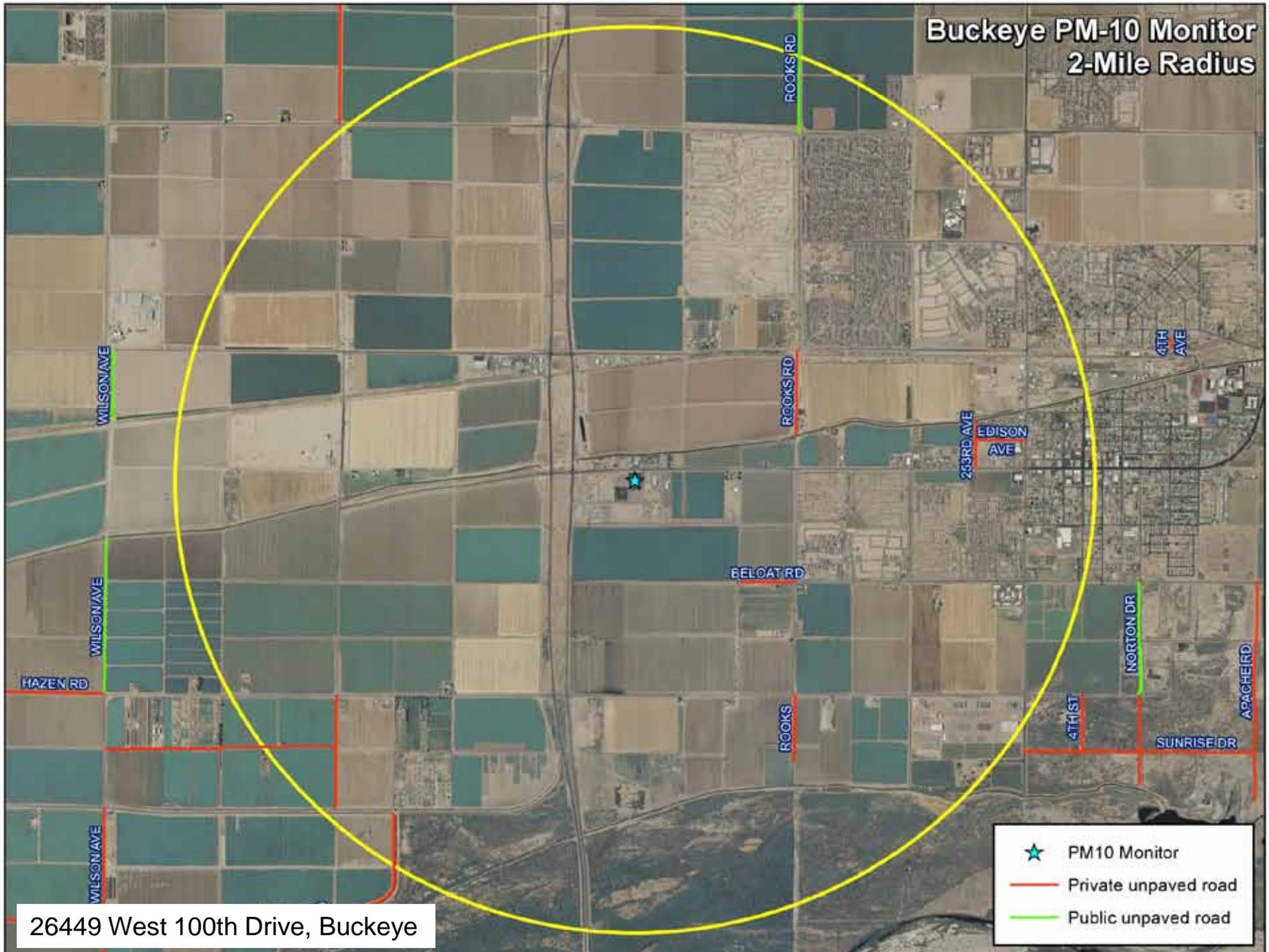
**Buckeye PM-10 Monitor
4-Mile Radius**



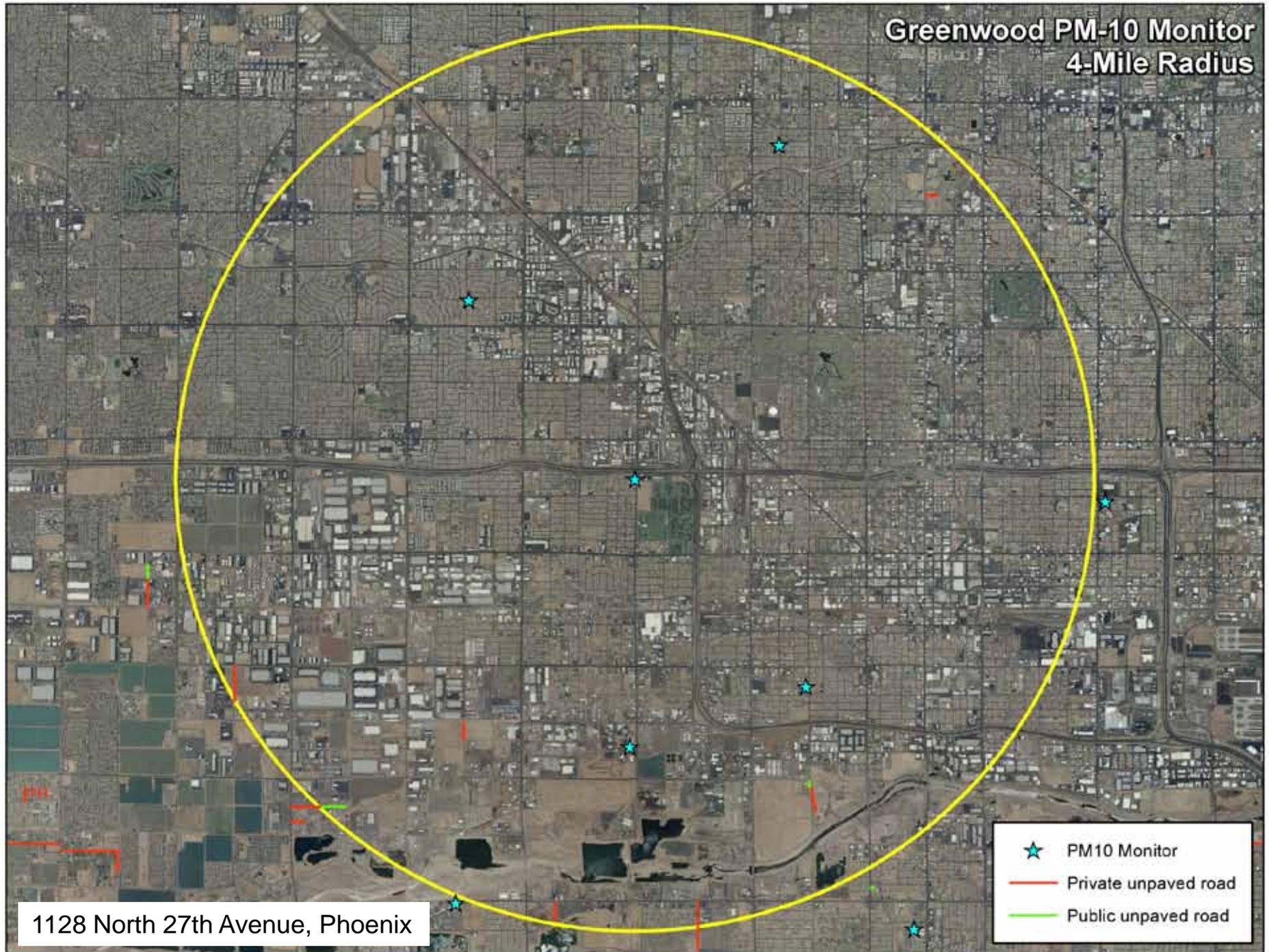
26449 West 100th Drive, Buckeye

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

Buckeye PM-10 Monitor 2-Mile Radius



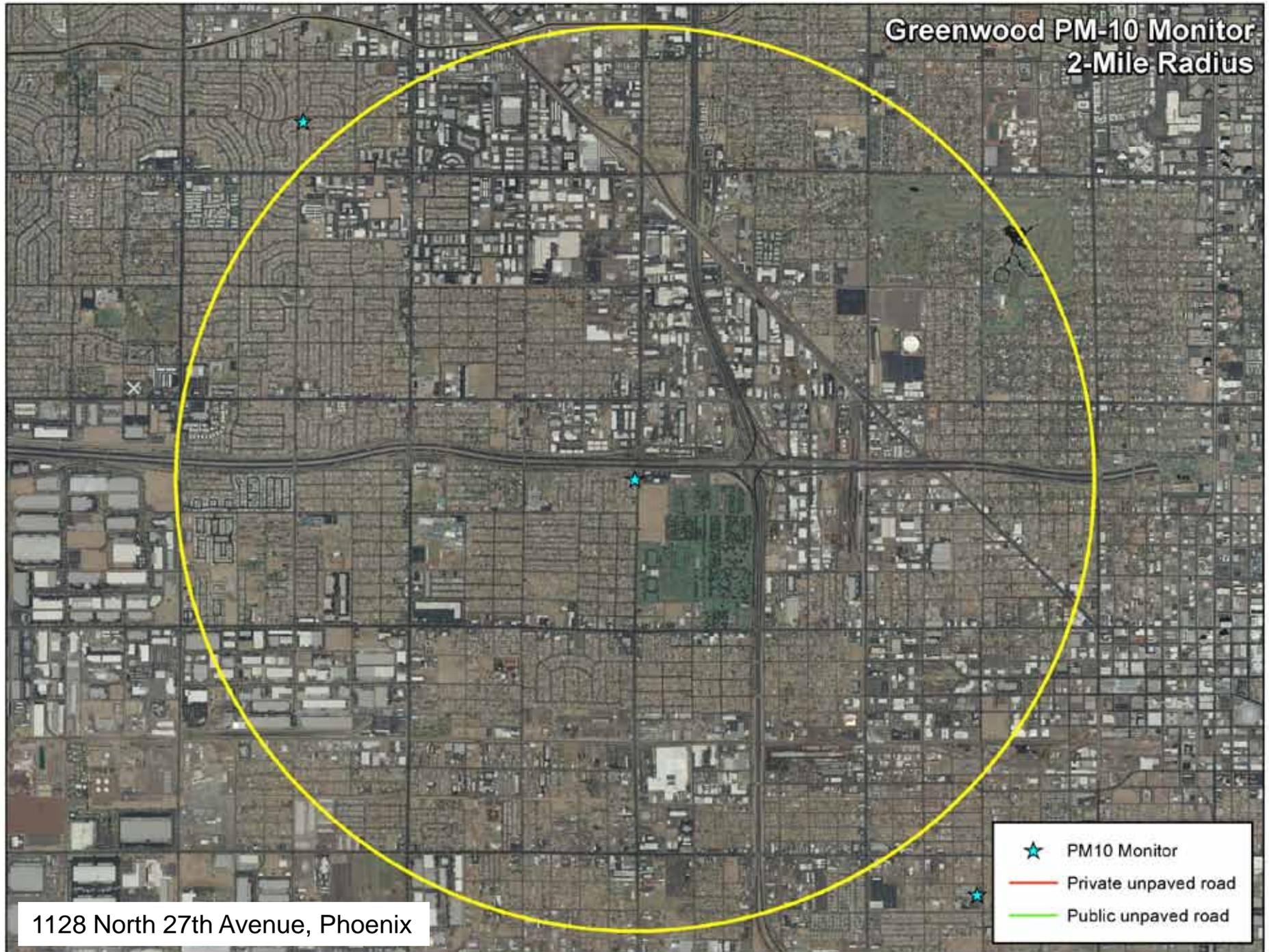
Greenwood PM-10 Monitor 4-Mile Radius



1128 North 27th Avenue, Phoenix

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

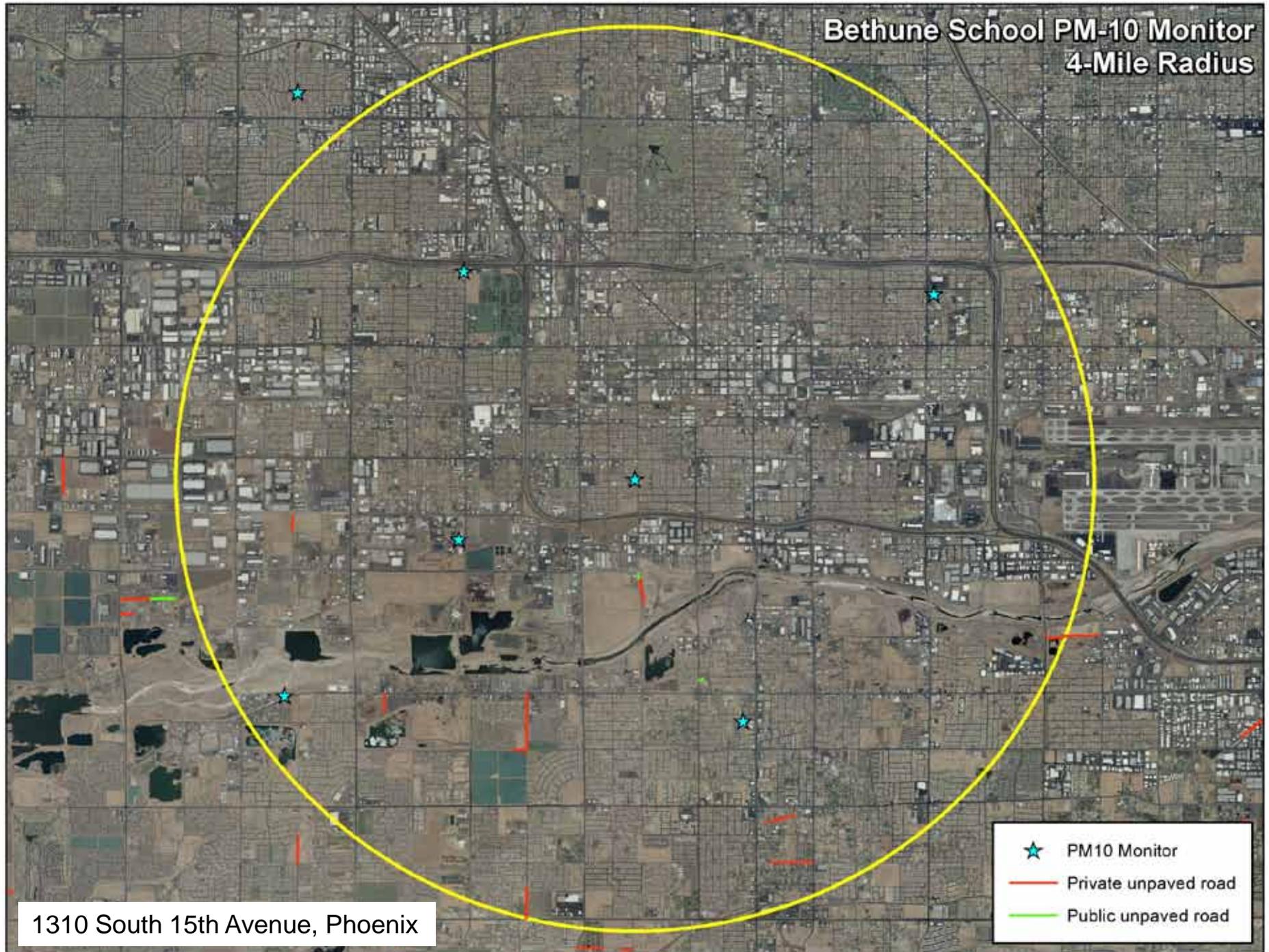
Greenwood PM-10 Monitor 2-Mile Radius



1128 North 27th Avenue, Phoenix

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

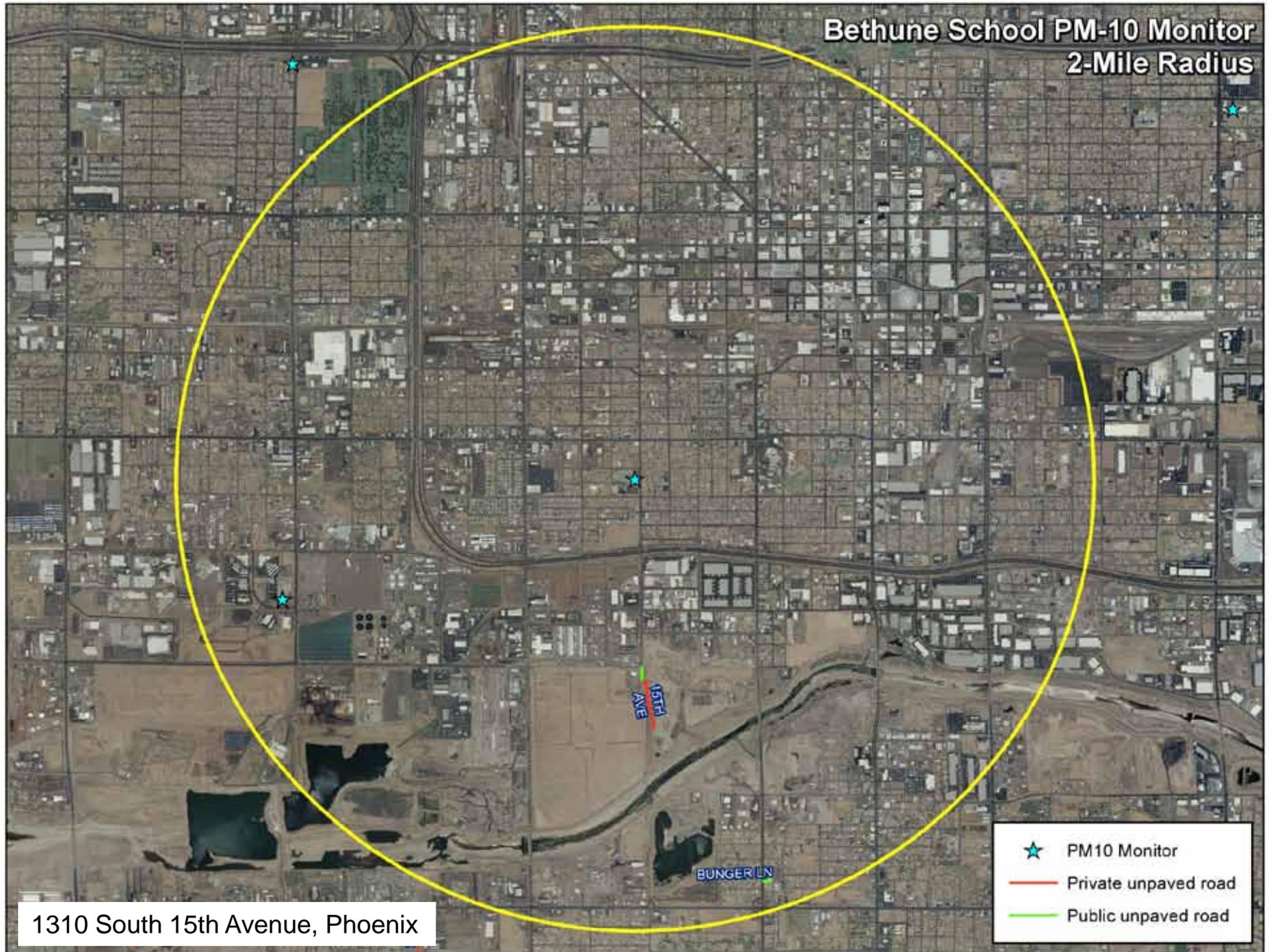
Bethune School PM-10 Monitor 4-Mile Radius



1310 South 15th Avenue, Phoenix

★ PM10 Monitor
— (Red) Private unpaved road
— (Green) Public unpaved road

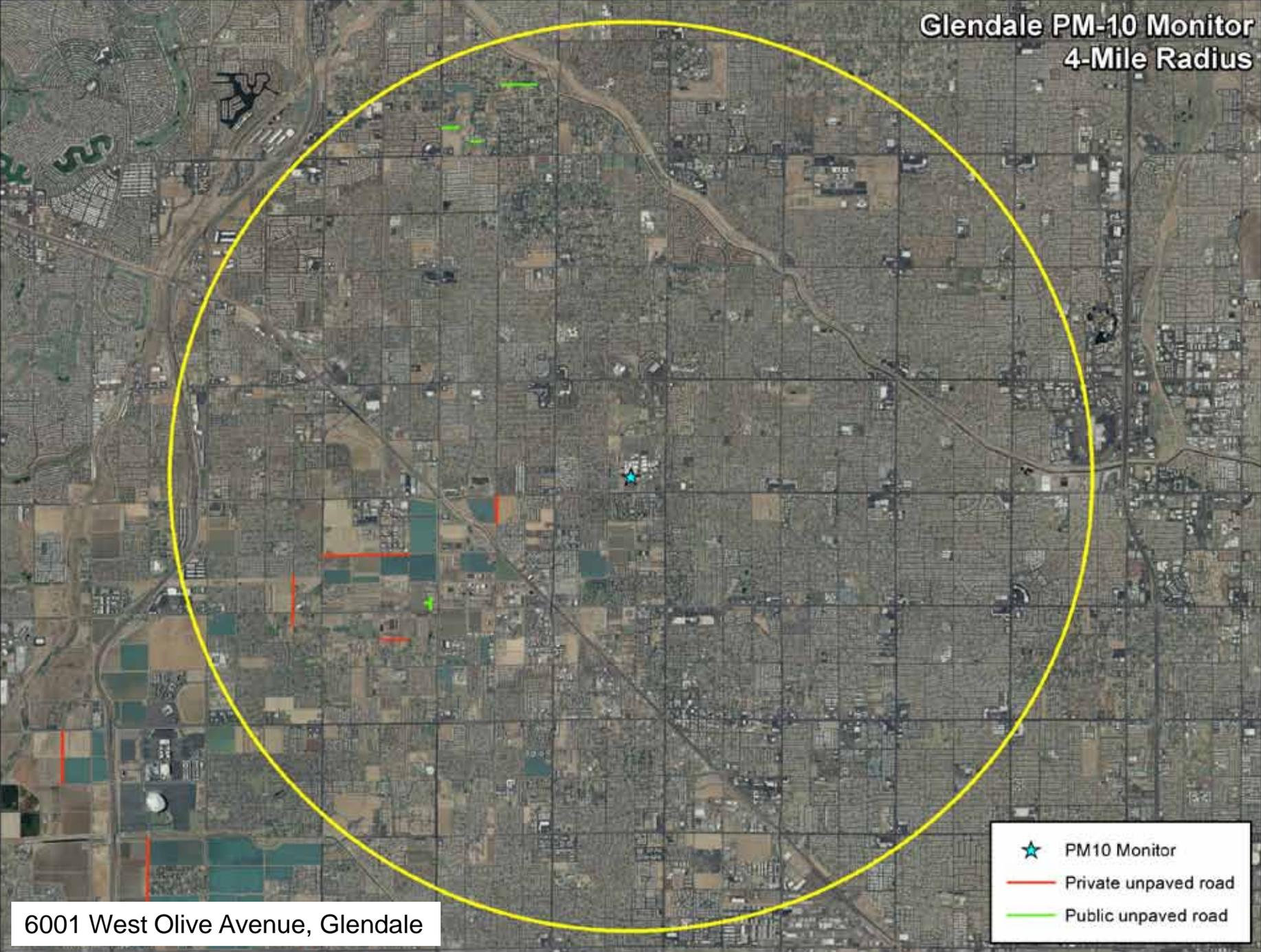
Bethune School PM-10 Monitor 2-Mile Radius



1310 South 15th Avenue, Phoenix

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

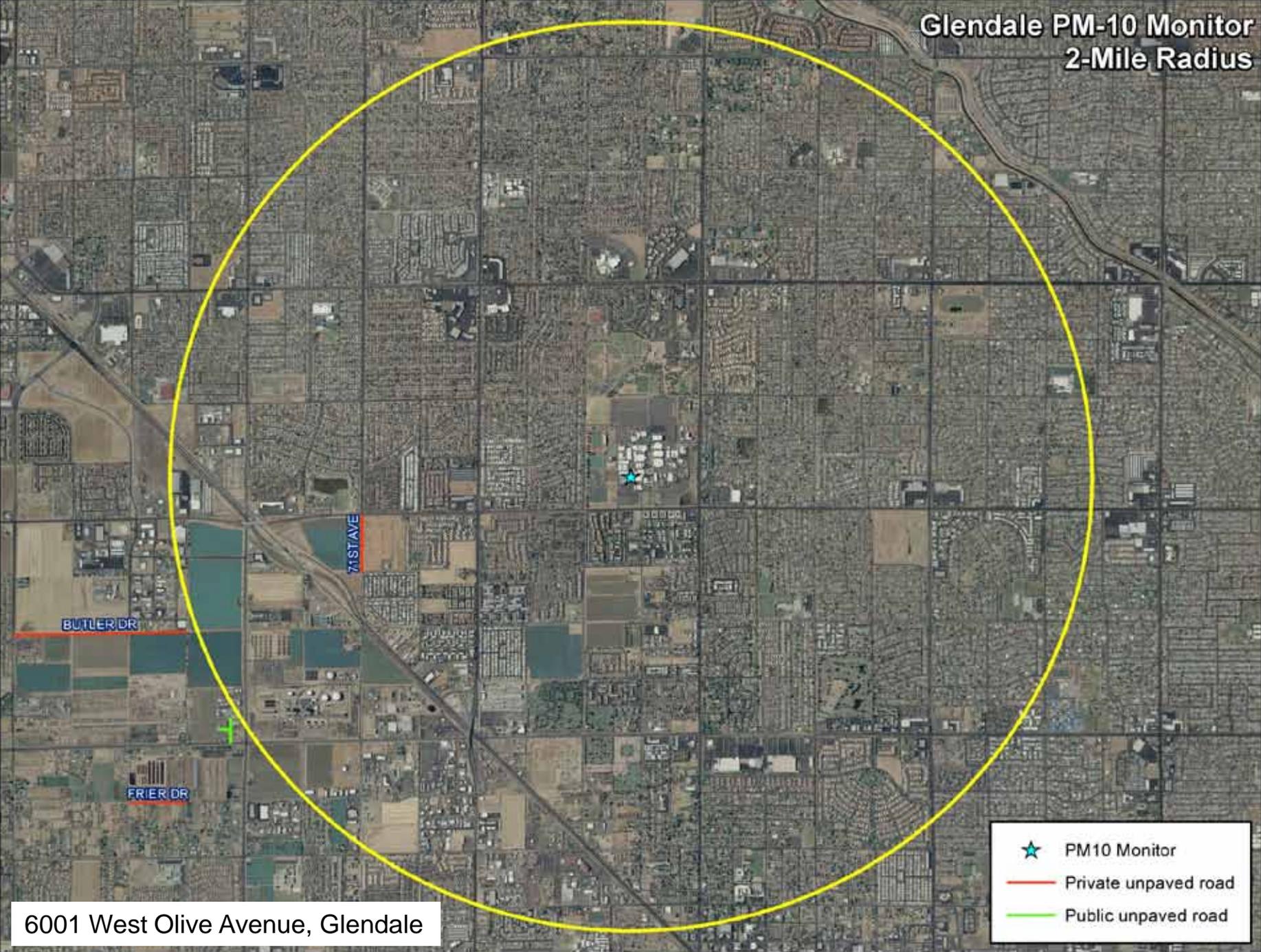
Glendale PM-10 Monitor
4-Mile Radius



6001 West Olive Avenue, Glendale

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

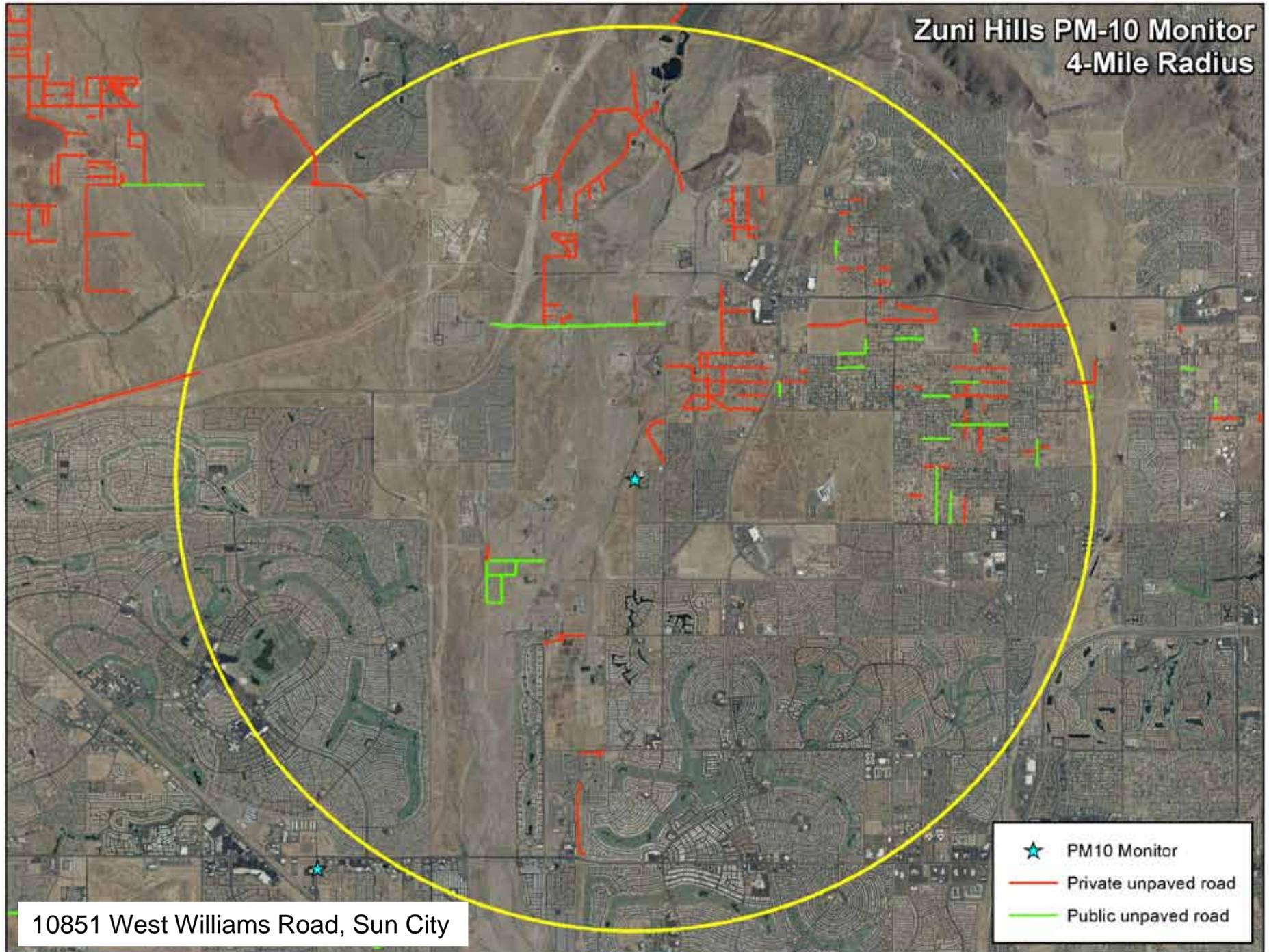
Glendale PM-10 Monitor
2-Mile Radius



6001 West Olive Avenue, Glendale

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

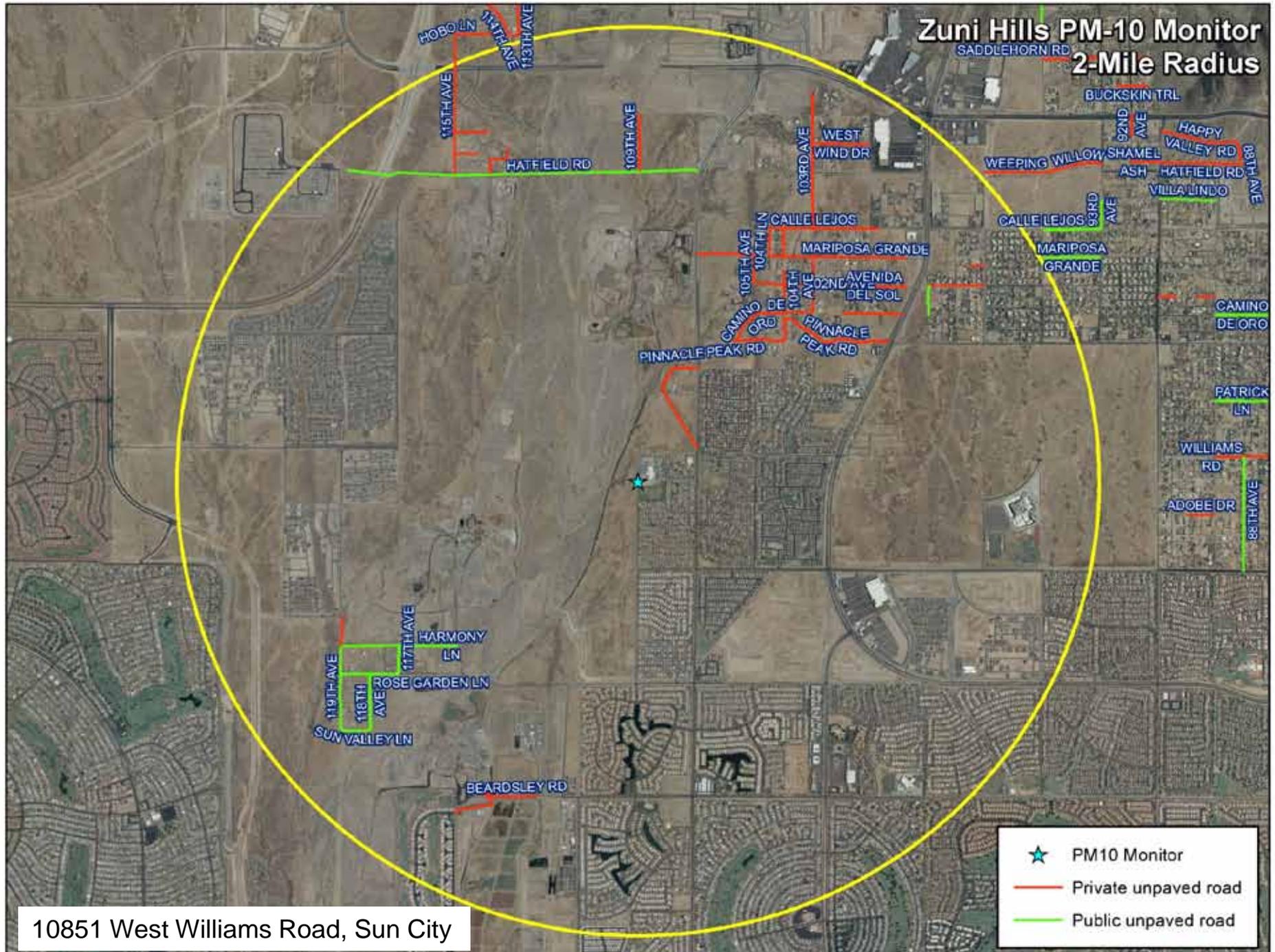
Zuni Hills PM-10 Monitor 4-Mile Radius



10851 West Williams Road, Sun City

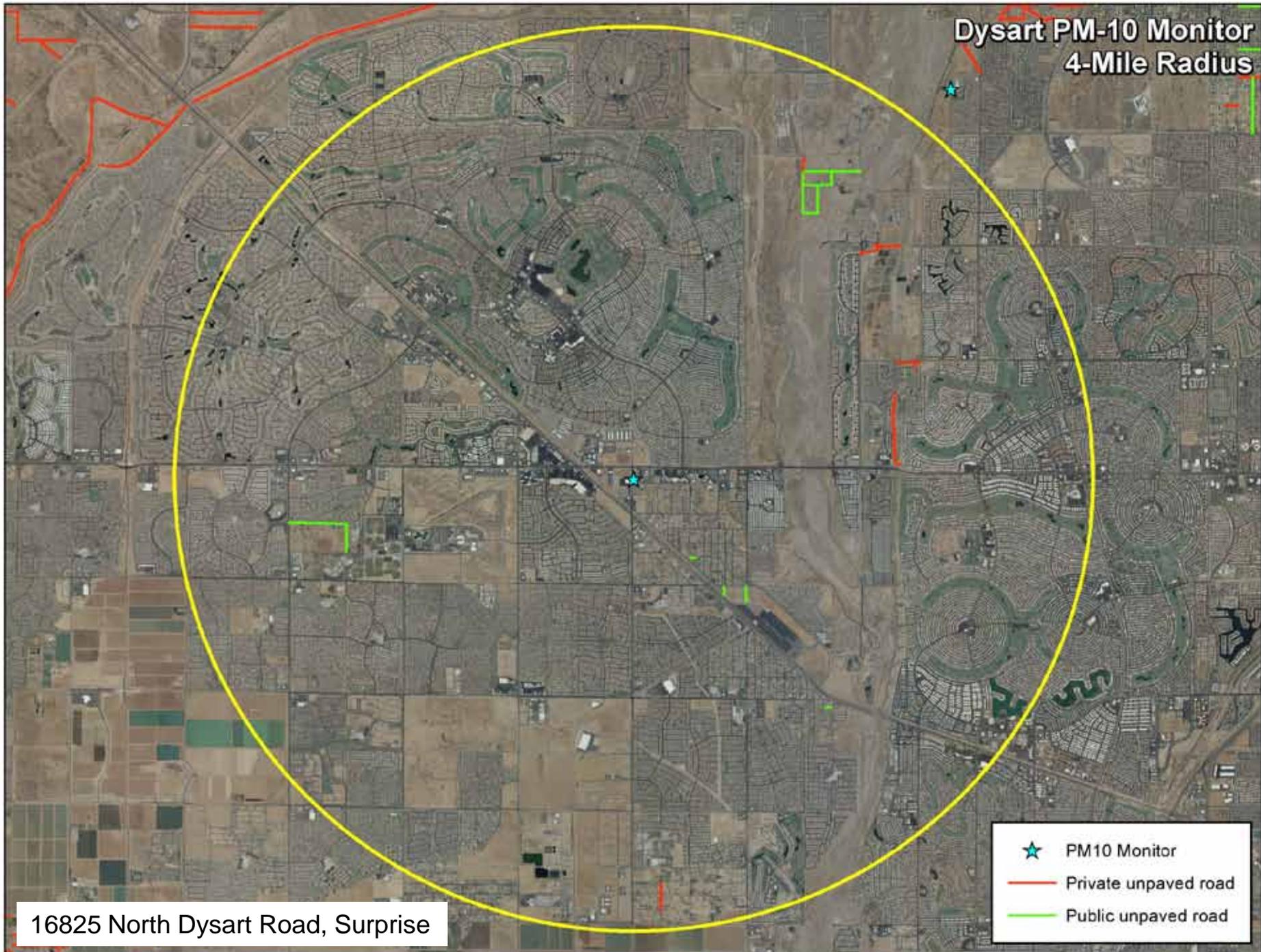
- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

Zuni Hills PM-10 Monitor 2-Mile Radius



10851 West Williams Road, Sun City

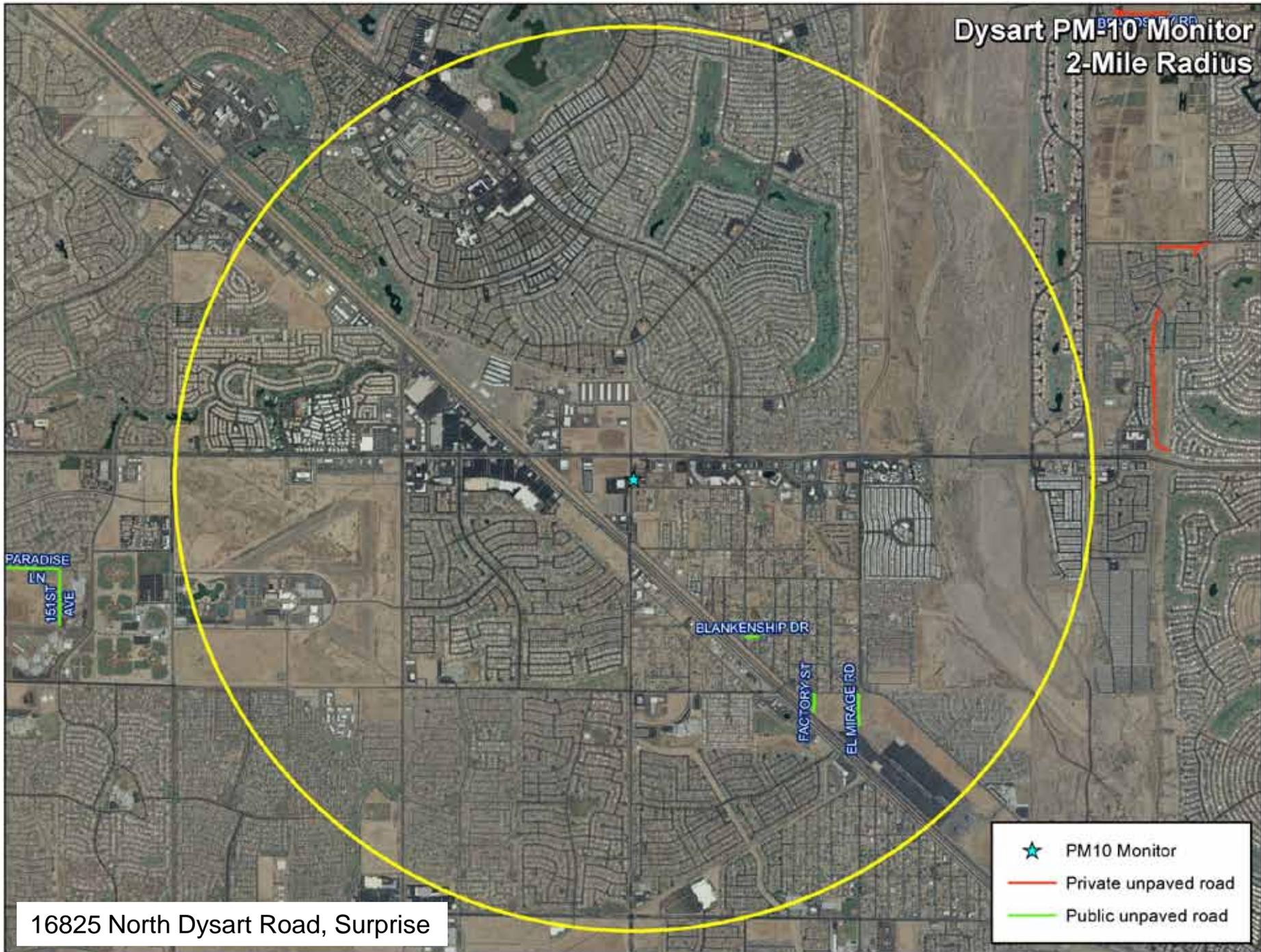
Dysart PM-10 Monitor
4-Mile Radius



16825 North Dysart Road, Surprise

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

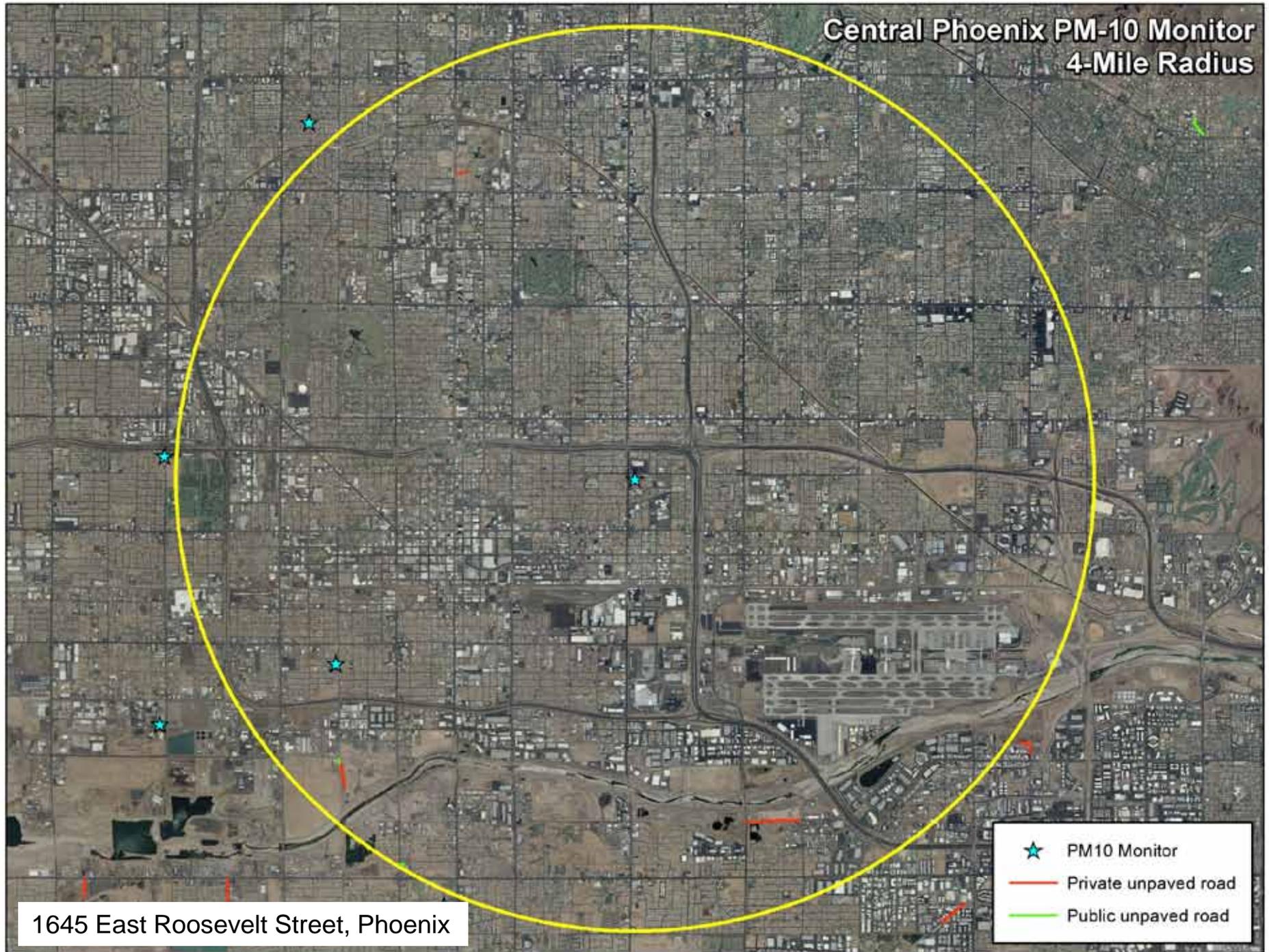
Dysart PM₁₀ Monitor 2-Mile Radius



16825 North Dysart Road, Surprise

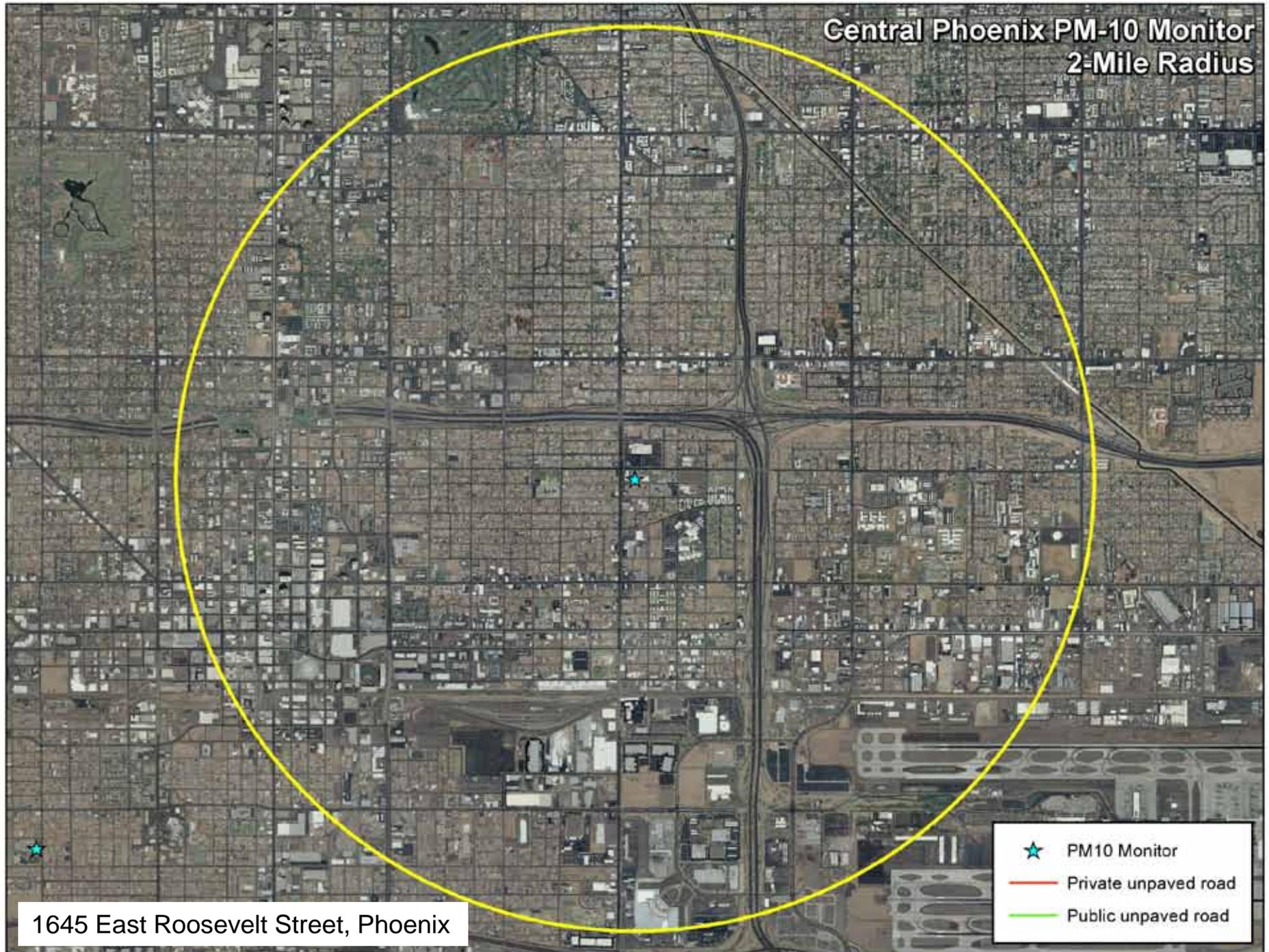
- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

Central Phoenix PM-10 Monitor 4-Mile Radius



1645 East Roosevelt Street, Phoenix

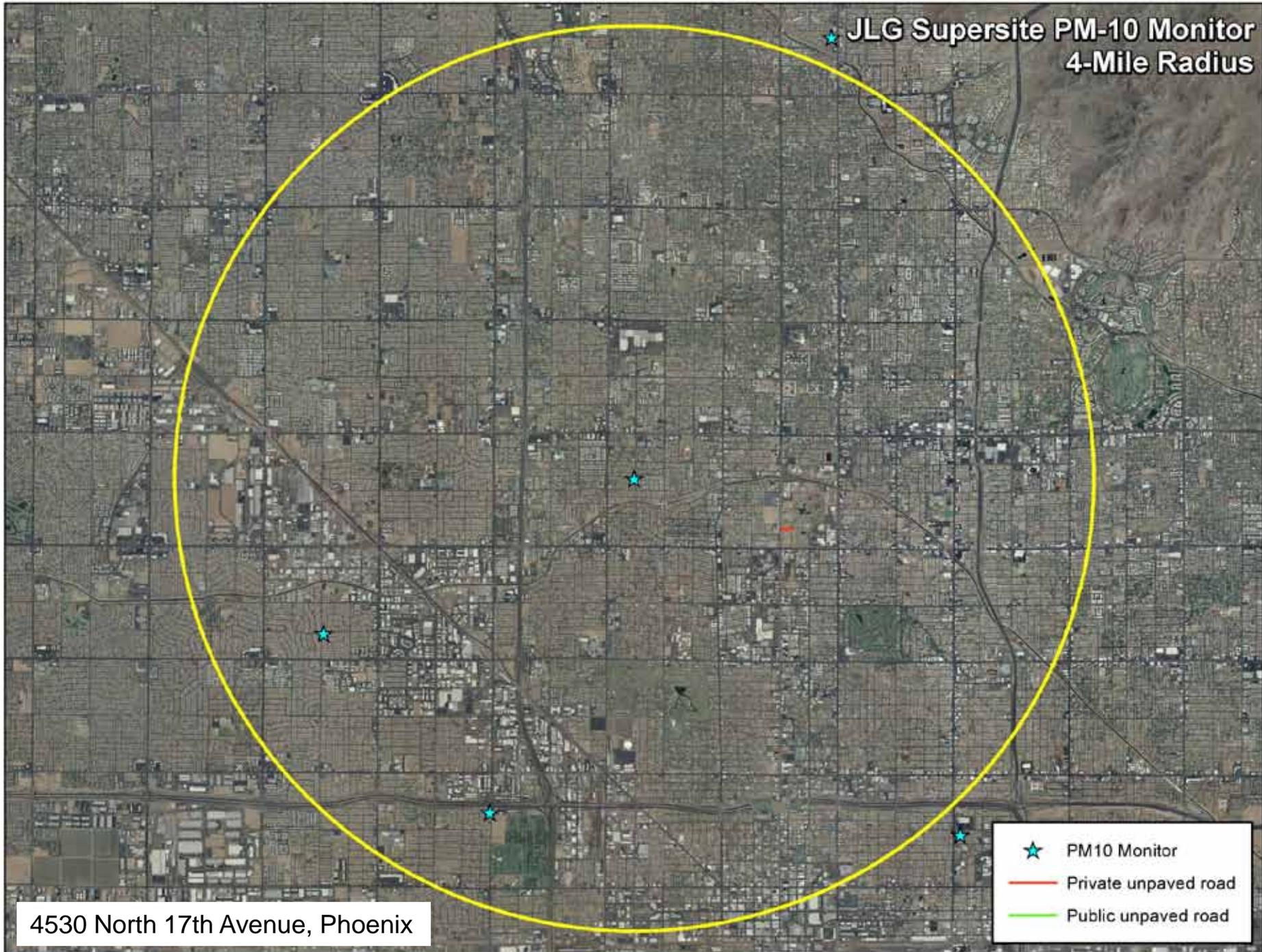
Central Phoenix PM-10 Monitor
2-Mile Radius



1645 East Roosevelt Street, Phoenix

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

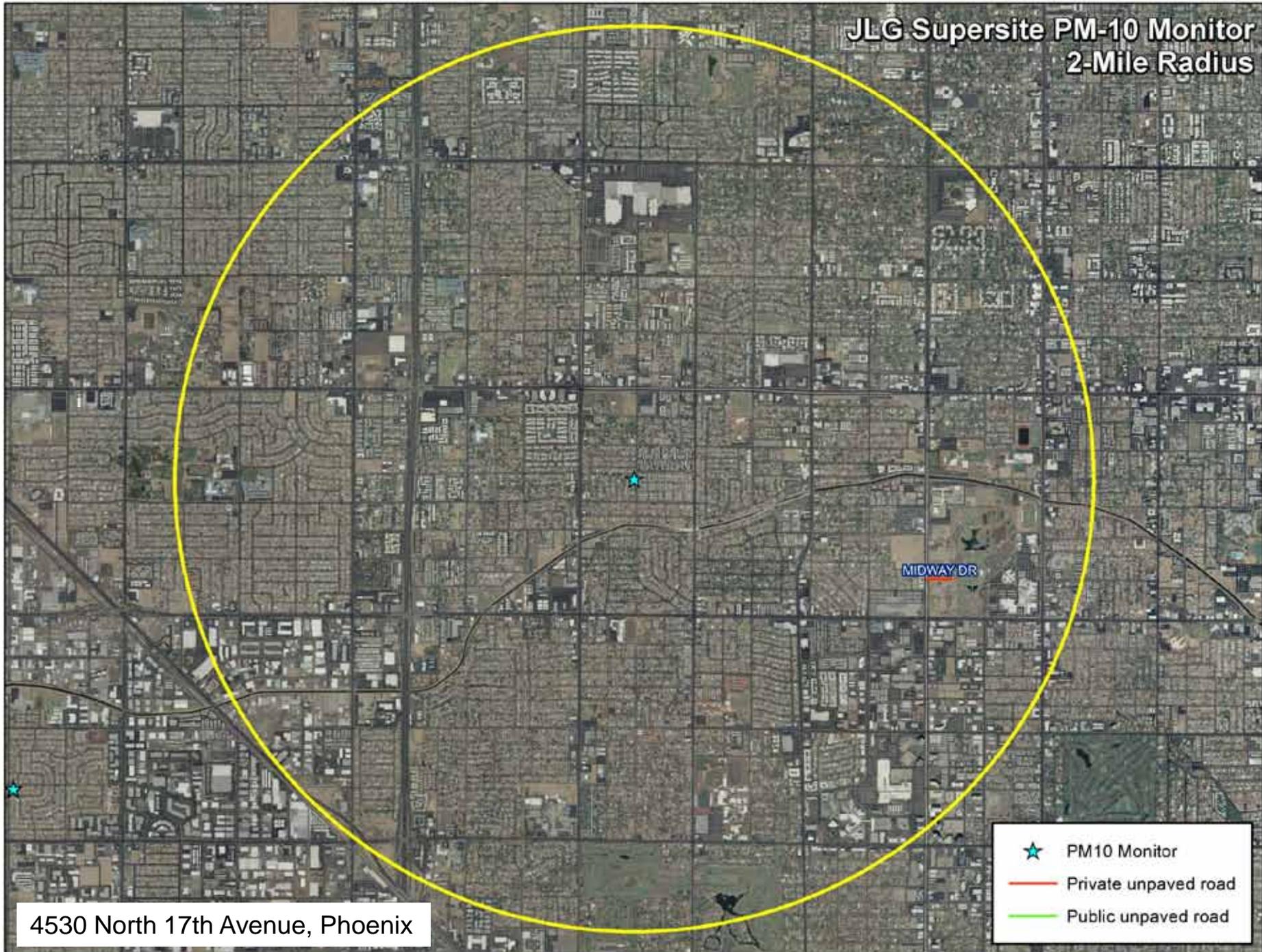
★ JLG Supersite PM-10 Monitor
4-Mile Radius



4530 North 17th Avenue, Phoenix

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

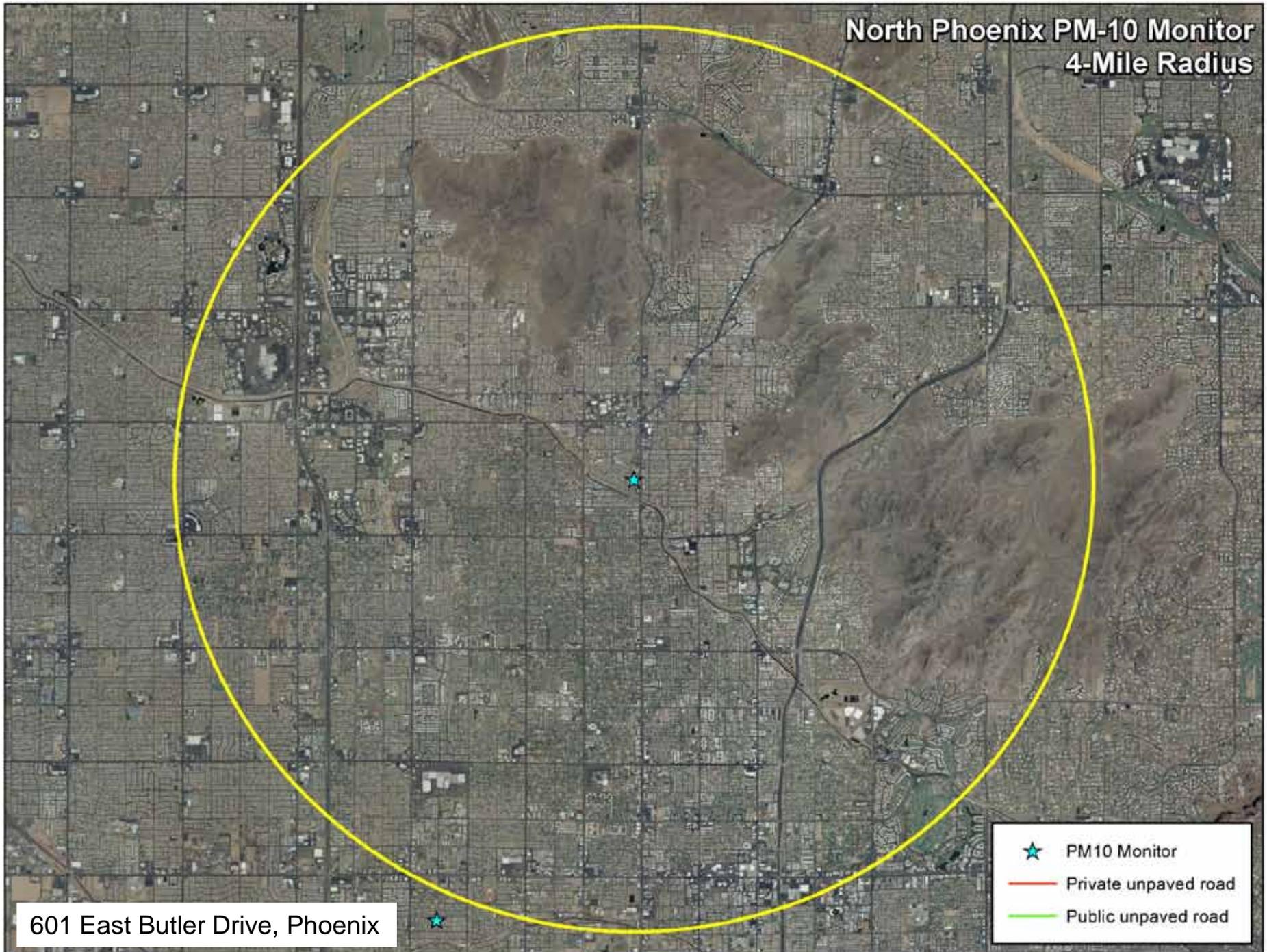
JLG Supersite PM-10 Monitor
2-Mile Radius



4530 North 17th Avenue, Phoenix

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

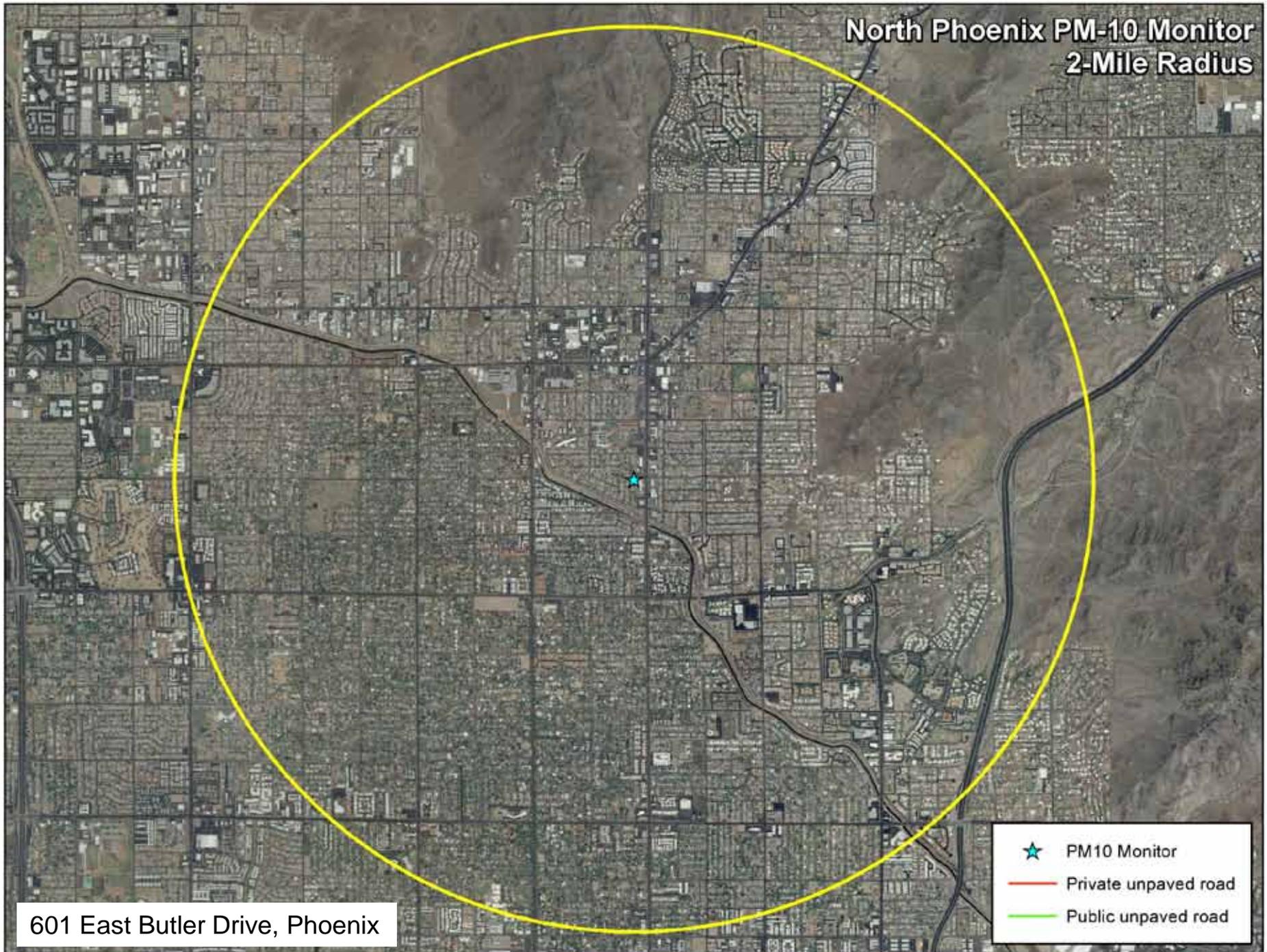
North Phoenix PM-10 Monitor 4-Mile Radius



601 East Butler Drive, Phoenix

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

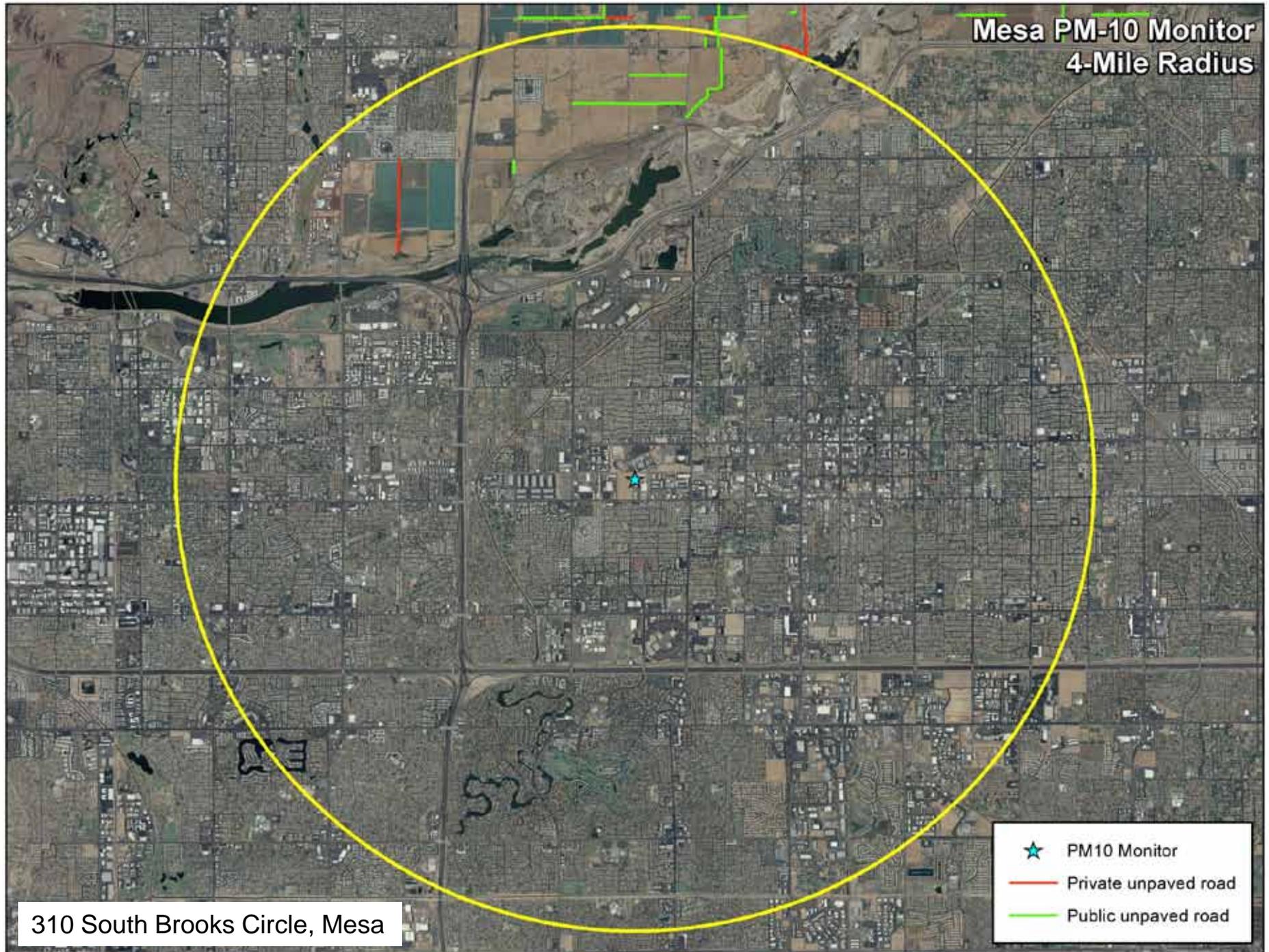
North Phoenix PM-10 Monitor
2-Mile Radius



601 East Butler Drive, Phoenix

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

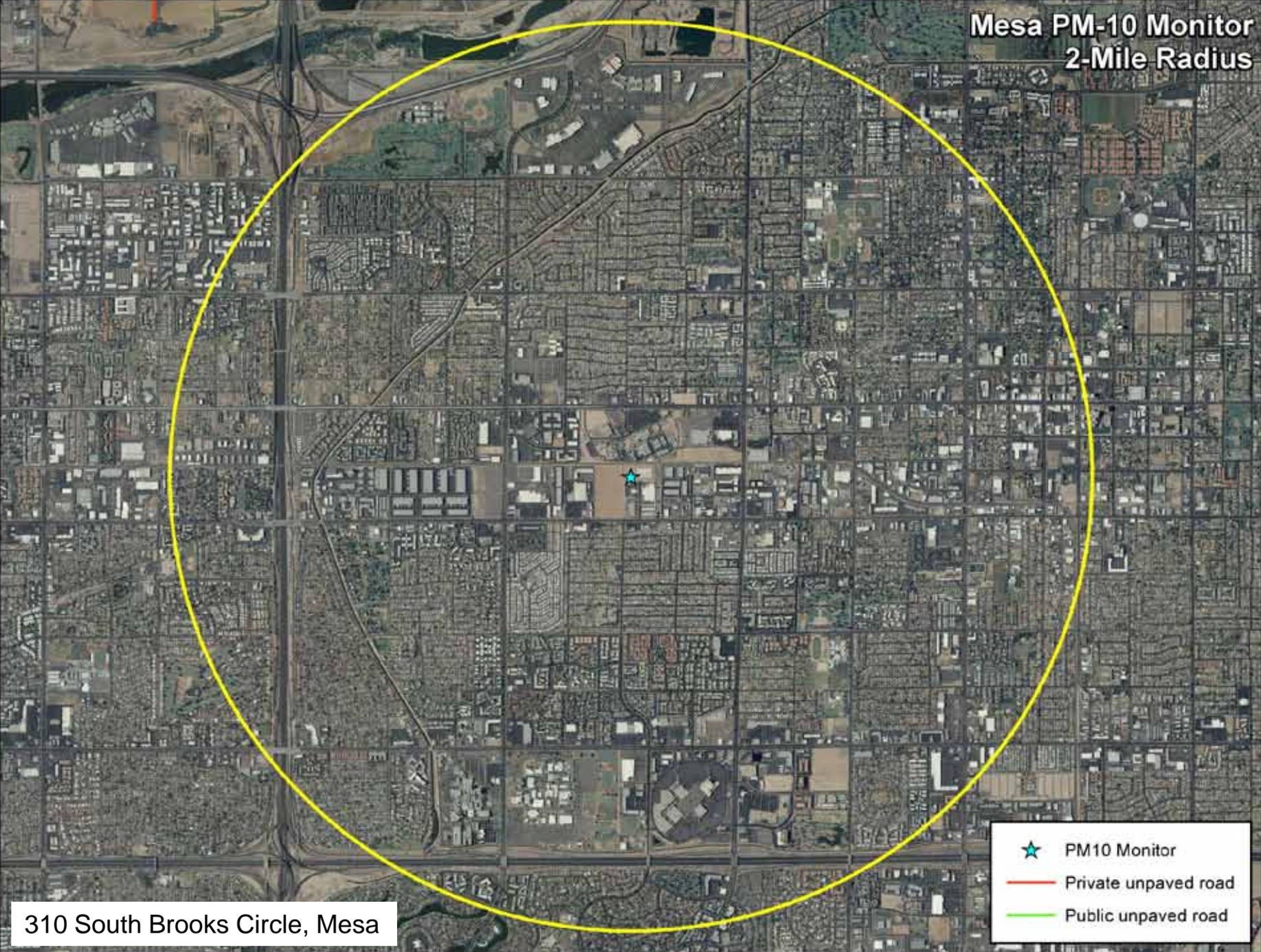
Mesa PM-10 Monitor
4-Mile Radius



310 South Brooks Circle, Mesa

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

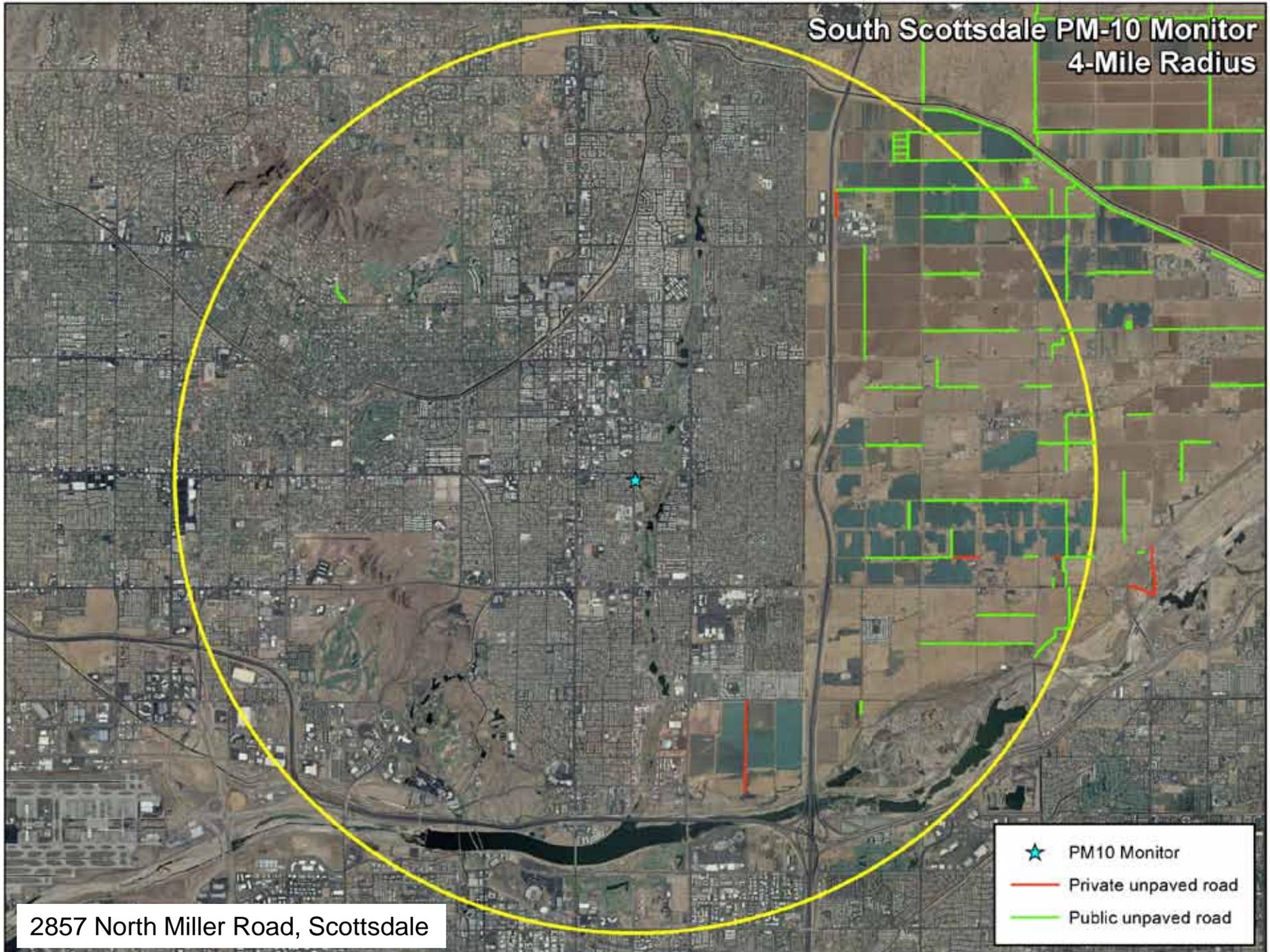
Mesa PM-10 Monitor
2-Mile Radius



310 South Brooks Circle, Mesa

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

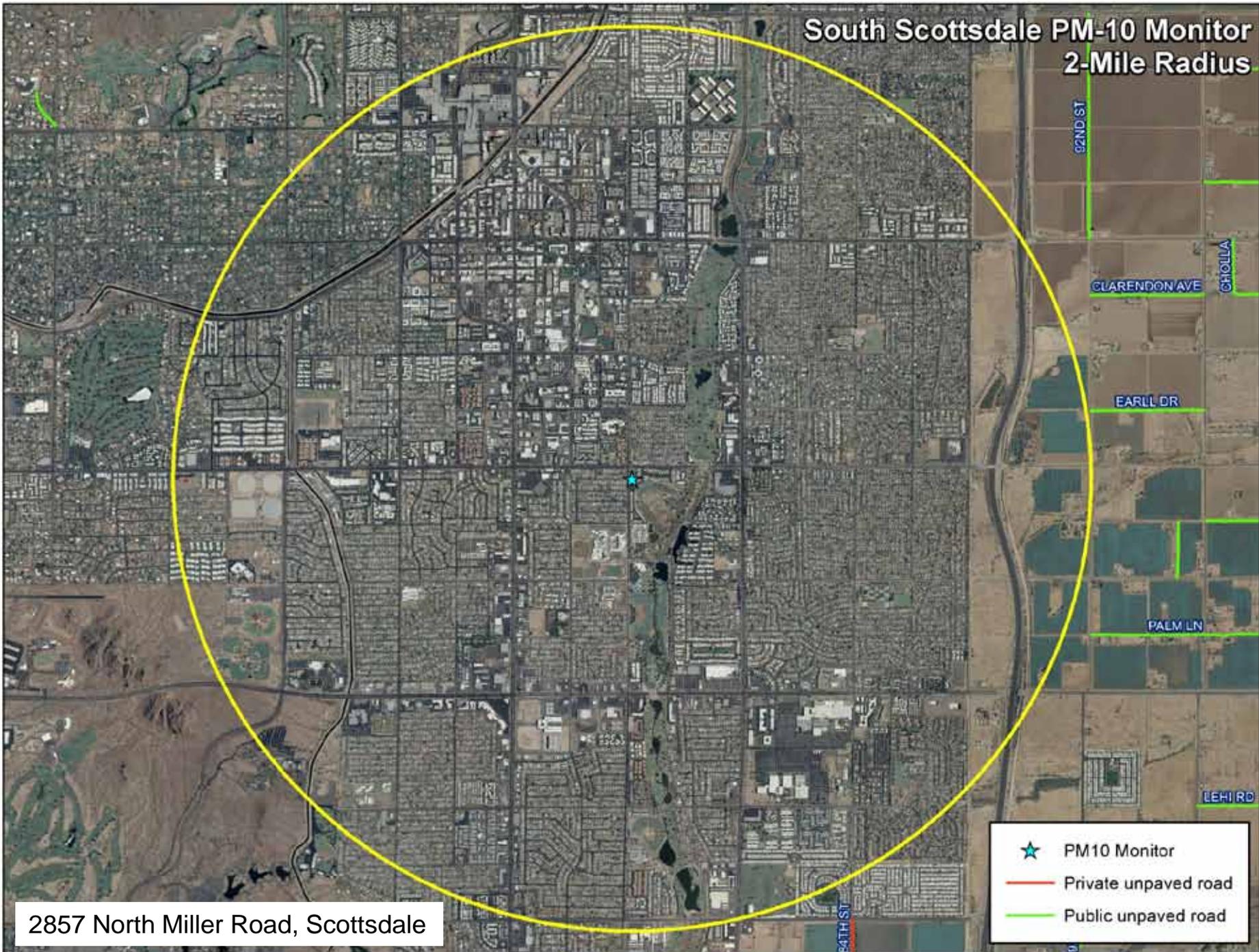
South Scottsdale PM-10 Monitor 4-Mile Radius



2857 North Miller Road, Scottsdale

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

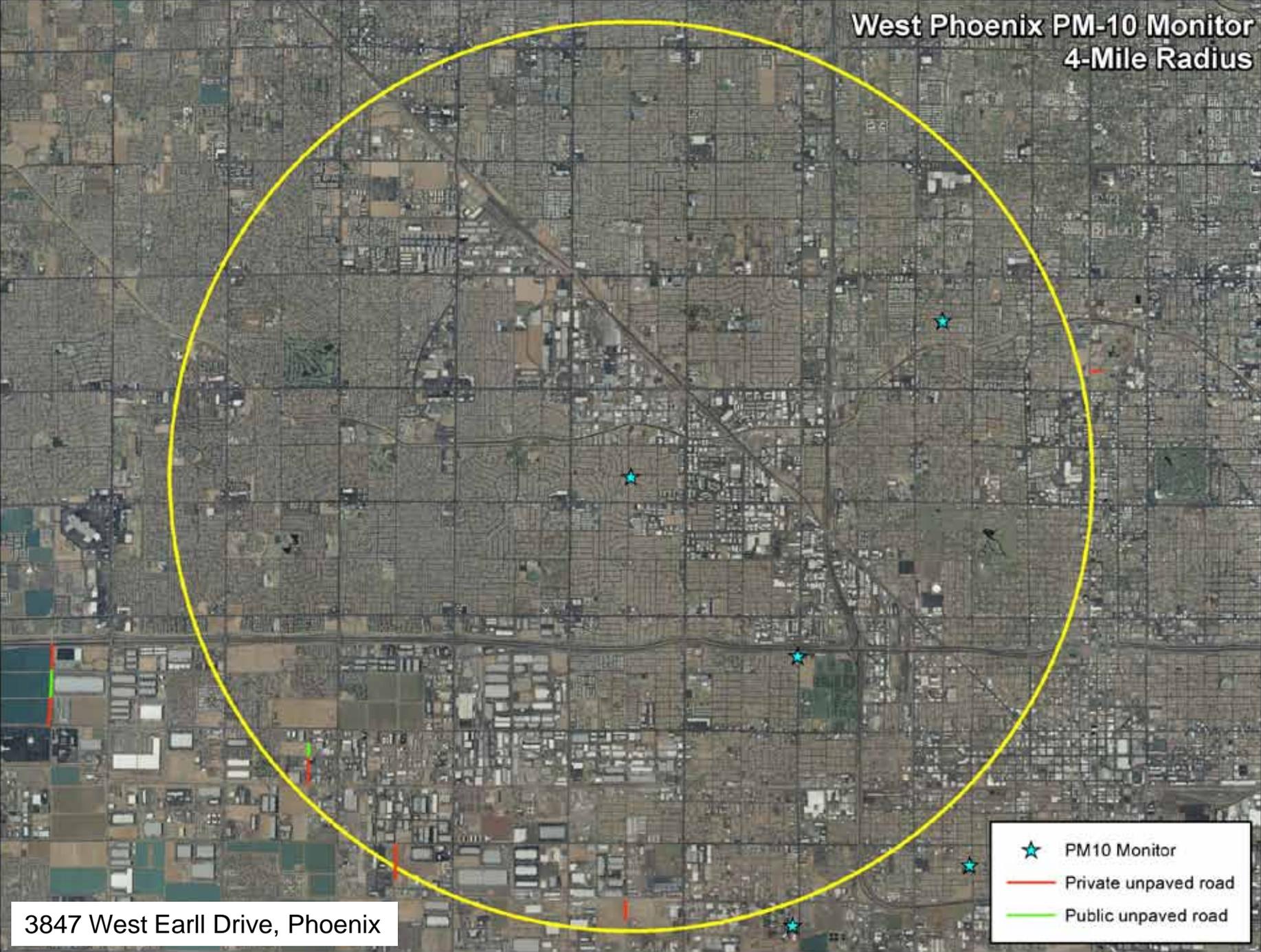
South Scottsdale PM-10 Monitor 2-Mile Radius



2857 North Miller Road, Scottsdale

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

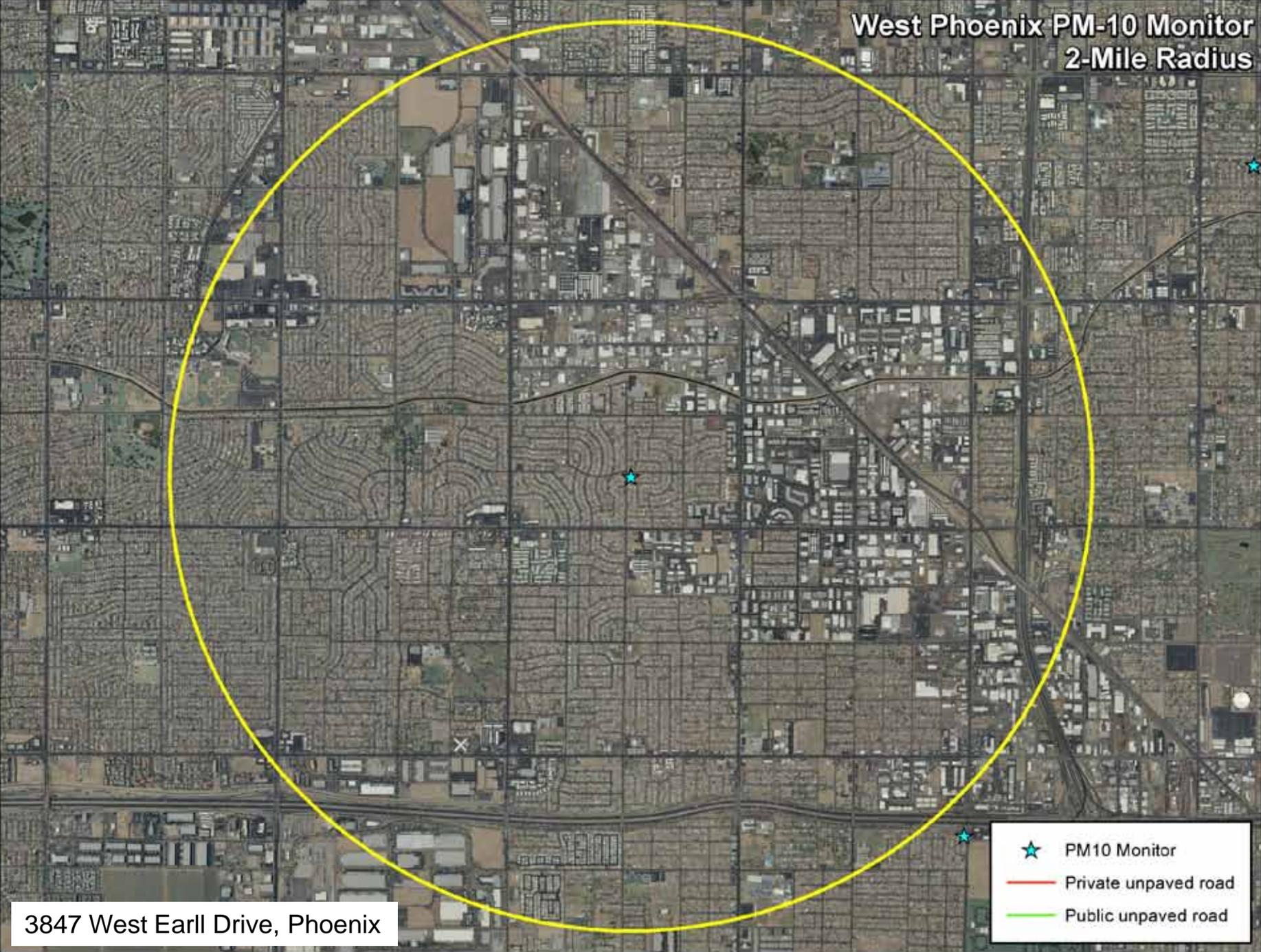
West Phoenix PM-10 Monitor
4-Mile Radius



3847 West Earll Drive, Phoenix

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

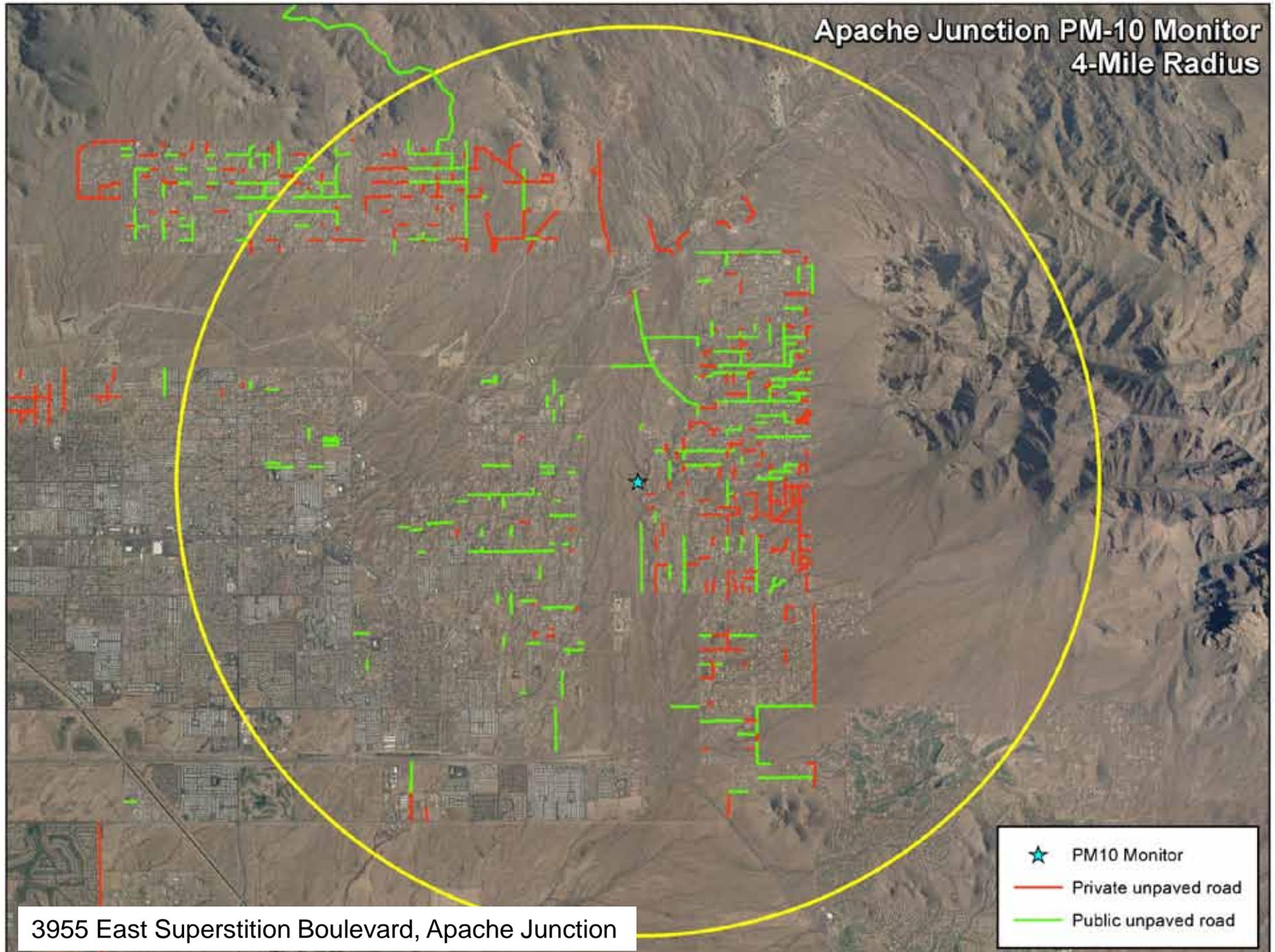
West Phoenix PM-10 Monitor
2-Mile Radius



3847 West Earll Drive, Phoenix

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

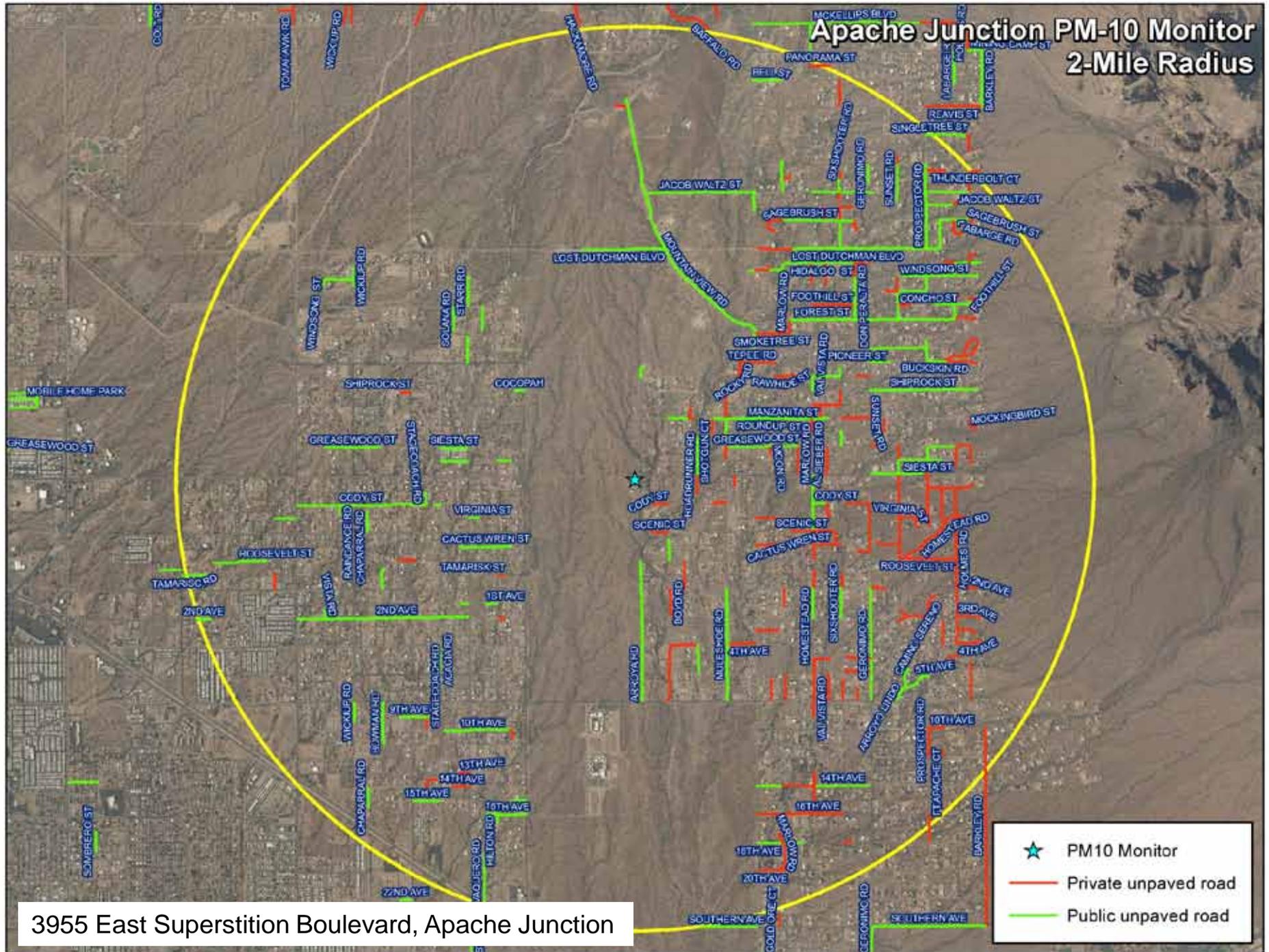
Apache Junction PM-10 Monitor 4-Mile Radius



3955 East Superstition Boulevard, Apache Junction

- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

Apache Junction PM-10 Monitor 2-Mile Radius



- ★ PM10 Monitor
- Private unpaved road
- Public unpaved road

3955 East Superstition Boulevard, Apache Junction

Unpaved Road Mileages Near PM-10 Monitors

Monitor	Address	2-mile radius		4-mile radius	
		Public	Private	Public	Private
Apache Junction	3955 East Superstition Boulevard, A.J.	19.43	14.41	32.47	27.29
Bethune School	1310 South 15th Avenue, Phoenix	0.11	0.23	0.11	2.27
Buckeye	26449 West 100th Drive, Buckeye	0.33	2.38	4.09	21.25
Central Phoenix	1645 East Roosevelt Street, Phoenix	0	0	0.11	0.82
Durango Complex	2702 RC Esterbrooks Boulevard, Phoenix	0.06	1.18	0.33	3.61
Dysart	16825 North Dysart Road, Surprise	0.29	0	2.73	1.79
Glendale	6001 West Olive Avenue, Glendale	0	0.25	0.72	1.70
Greenwood	1128 North 27th Avenue, Phoenix	0	0	0.28	1.24
Higley	15400 South Higley Road, Gilbert	0.61	1.18	1.69	12.30
JLG Supersite	4530 North 17th Avenue, Phoenix	0	0.12	0	0.12
Mesa	310 South Brooks Circle, Mesa	0	0	2.64	0.82
North Phoenix	601 East Butler Drive, Phoenix	0	0	0	0
South Phoenix	33 West Tamarisk Avenue, Phoenix	0.11	1.46	0.52	4.36
South Scottsdale	2857 North Miller Road, Scottsdale	0	0	16.17	1.40
West 43rd Ave	3940 West Broadway Road, Phoenix	0.22	0.98	3.48	10.94
West Chandler	275 South Ellis Street, Chandler	0	0.37	0	2.84
West Phoenix	3847 West EarlI Drive, Phoenix	0	0	0.12	0.63
Zuni Hills	10851 West Williams Road, Sun City	3.27	7.73	6.75	23.49

Note: all distances are in miles.

Source: MAG
Unpaved Roads
database

Notes:

1. Mileages may represent duplicate values if an unpaved road segment falls within the 2- or 4-mile radius of more than one PM-10 monitor.



For More Information

Contact:

Lindy Bauer, MAG
(602) 254-6300

www.azmag.gov

