

FY 2019 PM-10 Certified Street Sweeper Application Summary

Name: FY2019 Sweeper Grant
 Id: BKY-2019-SW-001
 Agency: Buckeye

This is a summary of the request submitted for federal Congestion Mitigation and Air Quality (CMAQ) improvement program funding, available through the Maricopa Association of Governments (MAG) for PM-10 certified street sweepers. An estimated \$1,449,729.00 in FY 2019 CMAQ funding is available region wide. All applications are due on Thursday, September 13, 2018 by 10:00 AM. Late applications are not accepted.

Section: Funding Information

Summary of the estimated costs of the requested sweeper

Total Estimated Cost of Sweeper	\$272,627
Total Eligible Cost	\$262,626
Local Share of Costs	\$24,971
Federal Share of Costs	\$247,656

Section: Sweeper Purpose

What the requested sweeper will be used for

Replace a Noncertified Street Sweeper	No
Expand Service Area	Yes
Increase Sweeping Frequency	No
Replace an Older Certified Street Sweeper	Yes

Section: Roadway Types

The types of roads the requested sweeper will sweep

Arterial	Yes
Collector	Yes
Residential	Yes
Other	No

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Section: Roadway Type Information

Details about the types of roads to be swept

Arterial Sweep Cycle Length (measured in days between sweepings)	13
Arterial Lane Miles to be Swept per Cycle	24
Arterial Average Weekday Traffic per Lane Being Swept	5,692
Collector Sweep Cycle Length (measured in days between sweepings)	13
Collector Lane Miles to be Swept per Cycle	21
Collector Average Weekday Traffic per Lane Being Swept	1,818
Residential Sweep Cycle Length (measured in days between sweepings)	13
Residential Lane Miles to be Swept per Cycle	161
Residential Average Weekday Traffic per Lane Being Swept	1,098

Section: Expand Service Areas

The previously unswept lane miles to be swept by the new sweeper

Expand Arterial Lane Miles	2
Expand Collector Lane Miles	8
Expand Residential Lane Miles	17

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Section: Replace a PM-10 Certified Street Sweeper

Additional information about the sweeper being replaced

Number of hours in service on the sweeper that is being replaced	8,400
The month and year that the older certified sweeper was put into service	September 2010
Number of miles (including deadhead miles) on the sweeper that is being replaced	63,647
Percent of time older sweeper was out of service	15%
Additional information about out of service percentage	Hydraulic system pressure, hydraulic components, broom motors, elevator flights, chains, sprockets, main broom cross shaft, on going electrical issues, ongoing HVAC issues with M2 chassis confirmed a known problem by Freightliner representative, elevator body wear, rusting, numerous PTO and driveline issues, engine uses oil between service.

Section: Proximity to PM-10 Monitor

Information about the sweeping route's proximity to a PM-10 monitor

Will the requested certified sweeper be used within 4 miles of a PM-10 monitor?	Yes
Names of PM-10 monitors within 4 miles of sweeping route	Buckeye

Section: Local Resource Allocation

The resources prepared to make use of the street sweeper

Have local resources been committed to support the operation of the sweeper?	Yes
Details about local resources	Operator for requested sweeper was hired in November 2017. We already have a designated sweeper mechanic currently staffed at fleet maintenance.

Section: Geographical Area

Information about the geographical area that the sweeper will operate in

Geographical area that the requested street sweeper will operate	The requested sweeper will be operated city wide, concentrating near Miller road at MC 85 and Yuma road at Watson road
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Section: Additional Information

Additional information about the sweeper not covered in other sections

Is the agency willing to provide MAG with additional information?	Yes
Number of Certified Sweepers Operated by Agency	6
Number of Noncertified Sweepers Operated by Agency	0

This application was signed by Paul Lopez on 9/11/2018

530 E. Monroe Ave.
Buckeye, AZ 85326
(623) 349-6000

Road	location	miles
collector	Fillmore St, Van Buren, 211th Ave	2.3
residential	Sienna Hills parcels G5, 1N, 2N 55	5.4
collector	Roeser Rd	.5
residential	white fence farms	2.5
collector	Apache Rd by Odysseal School	.3
collector	W Osborn Rd	1.6
Arterial	Jackrabbit trail, Indian School Rd	.3
Arterial	W Van Buren St	2.0
residential	Verrado E District residential phase 1	1.3
collector	N 197th Ave	.5
residential	Verrado Victory District phase 3 parcel 3a	1.4
residential	Verrado Victory District phase 2	3.0
collector	W Victory Blvd	.5
collector	W Tiger Mountain Dr	.7
residential	Verrado Victory District phase 4 parcel 1F	.8
residential	Verrado Market'side residential phase 1a	2.4
collector	Apache Rd	.3
collector	Durango St and 247th Ave	.9
collector	S Norton Dr	.7
<u>total</u>		27.4
residential		16.8
collector		8.3
Arterial		2.3



Fillmore St
211th Ave
Van Buren St

The BUHSD Learning Center

Palo Verde Energy Education Center

West-MEC

Southwest Campus

N 211 Ave

W Van Buren St

W Van Buren St

W Van Buren St

N Verrado Way

N Verrado Way

S Verrado Way

Google

Sienna Hills

parcel 65

parcel 1N

parcel 2N 5S

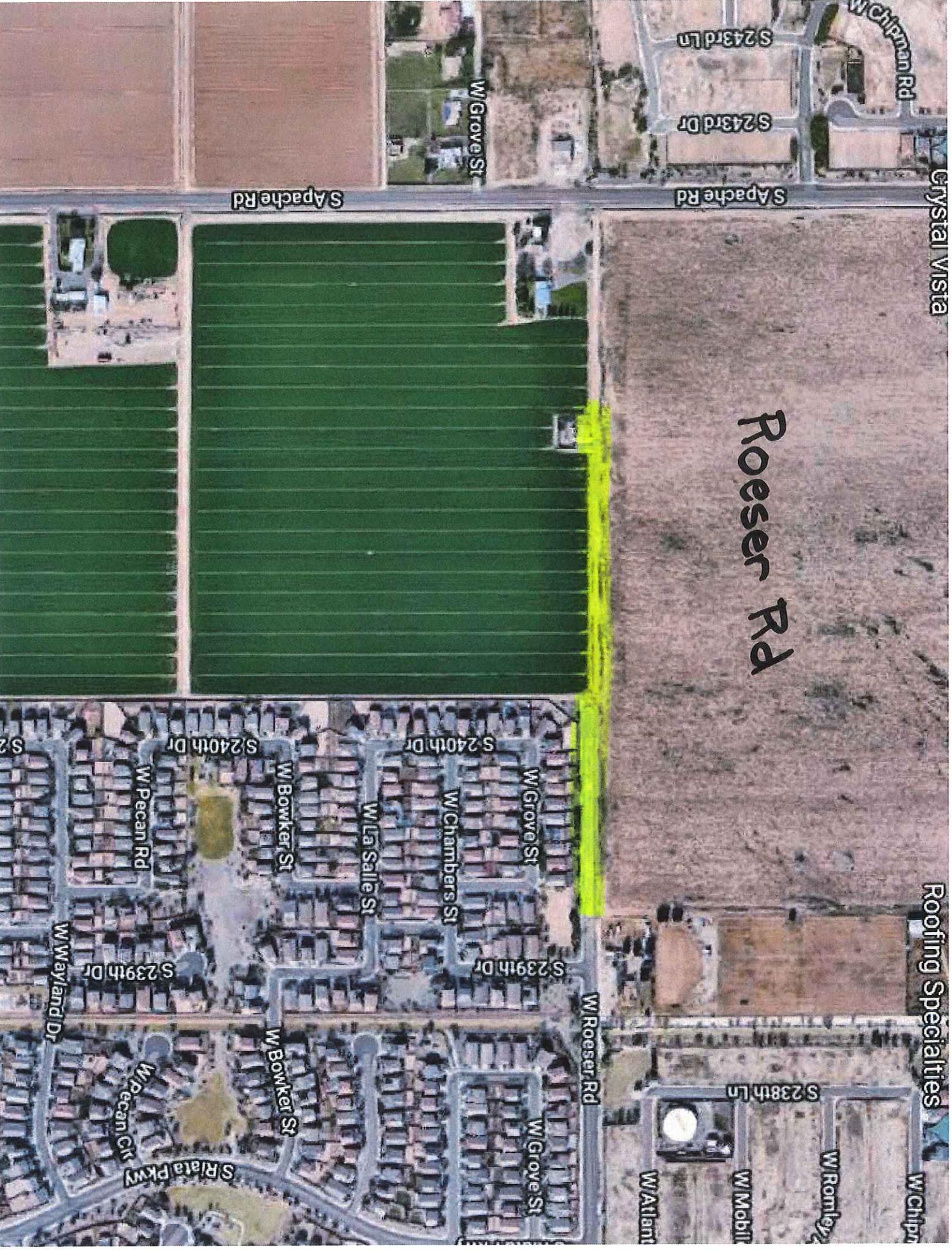
W MCDOWELL RD



Crystal Vista

Roofing Specialties

Roeser Rd



S 243rd Ln
S 243rd Dr

S Apache Rd

W Grove St

S 240th Dr
W Grove St
W Chambers St
W La Salle St
W Bowker St
W Pecan Rd
W Wayland Dr
S 239th Dr
S 238th Ln
W Romley
W Mobil
W Atlant
W Chipm
S 243rd Ln
S 243rd Dr
W Chipman Rd

White Fence Farms

Dirty Money
Cattle Company

S 230th Dr

229th Dr

S Rainbow F

Beloat Rd

Beloat Rd

Beloat Rd

W Passeo Way

S Rainbow Rd

S 230th Dr

228th Dr

227th Dr

La Mirada Dr

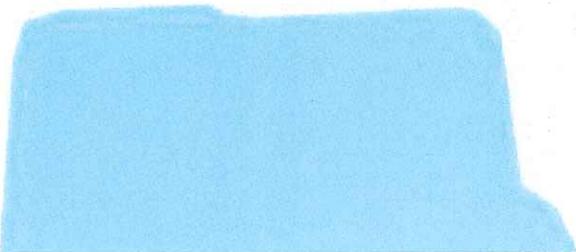
La Mirada Dr

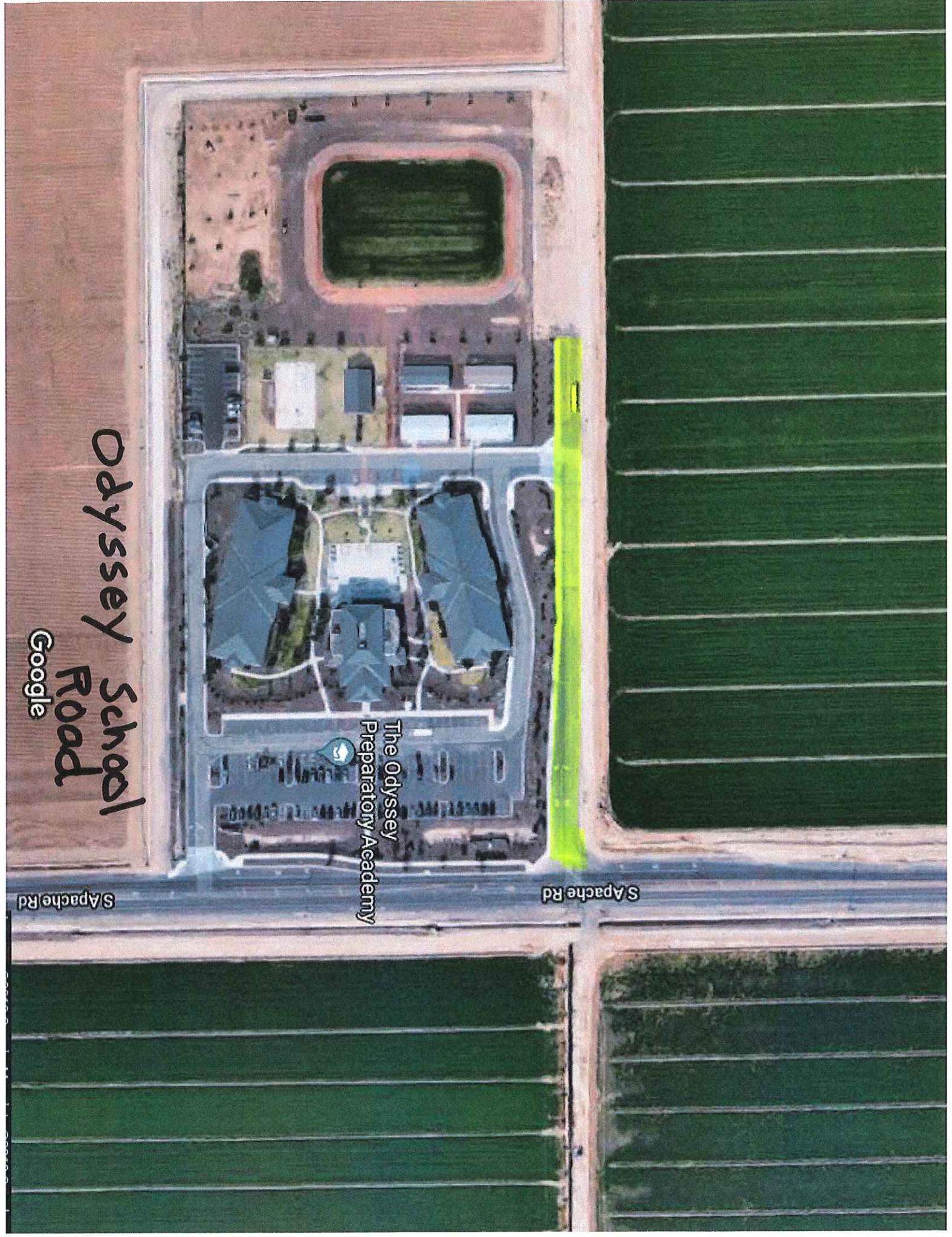
Rainbow Trail

Rainbow Trail

Rainbow Trail

S Rainbow Rd





Odyssey School
Road
Google

The Odyssey
Preparatory Academy

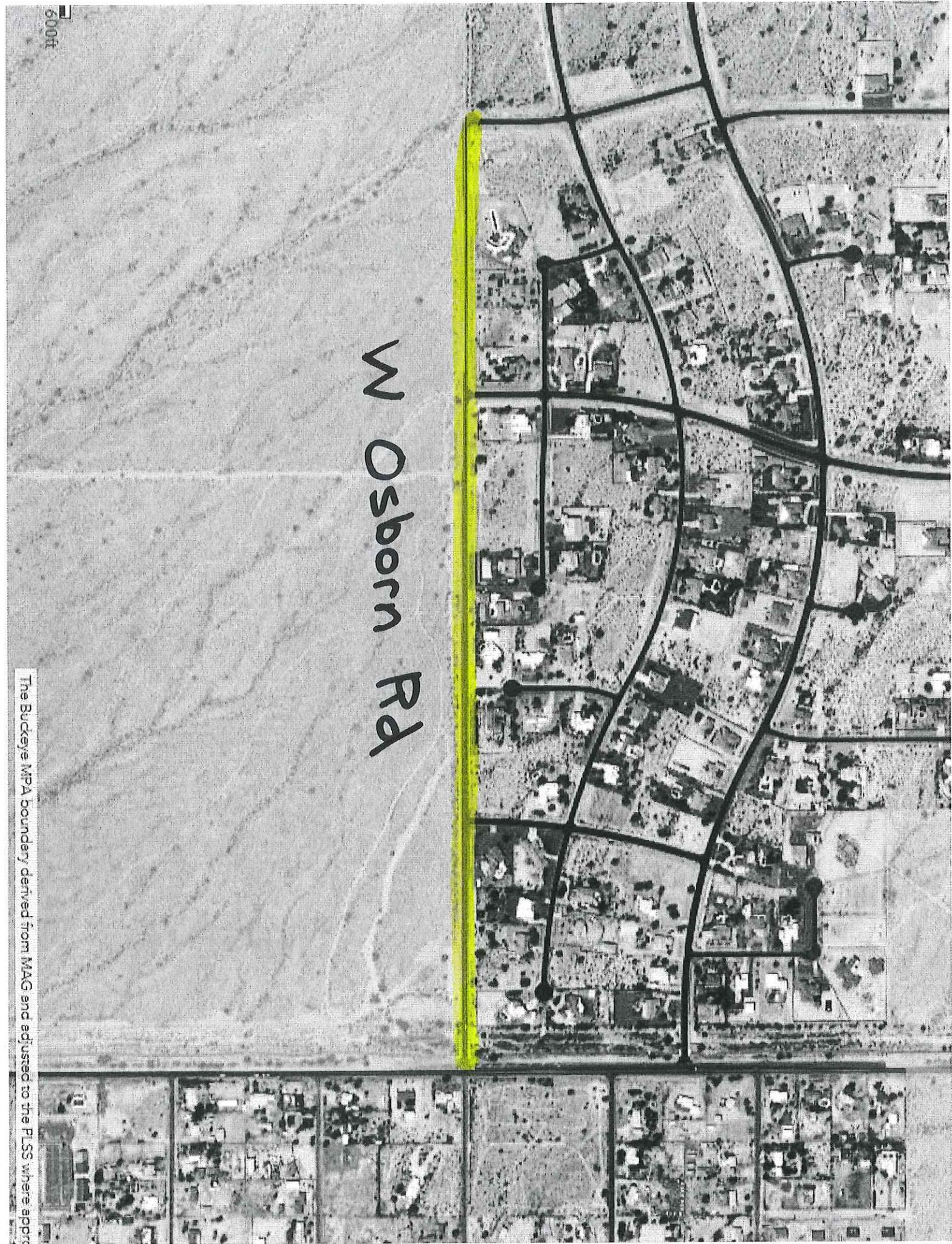
S Apache Rd

S Apache Rd

W Osborn Rd

600ft

The Buckeye MPA boundary derived from MAG and adjusted to the PLSS where appropriate



Jack Rabbit trail
Indian School Rd

The Church of
Jesus Christ of Latter...

School Rd

Jackrabbit Trail

W Indian School Rd

W Indian School Rd

W I

N 192nd Ln

N 192nd Ln



502-60-051

502-60-019

502-60-04

502-60-018

502-37-336

502-60-017

502-36-01216

35-016K

35-016E

32-35-022

W Van Buren

W VAN BUREN ST

W VAN BUREN ST

502-36-902A

502-36-4416

502-36-951

502-36-962A

502-36-383

502-36-382A

502-37-521

9K

N JACKRABBIT TRL

N JACKRABBIT TRL

N PERRYVILLE RD

N PERRYVILLE RD

Verrado District
Victory Phase 3
Parcel 3a





Verrado Victory
district Phase 2

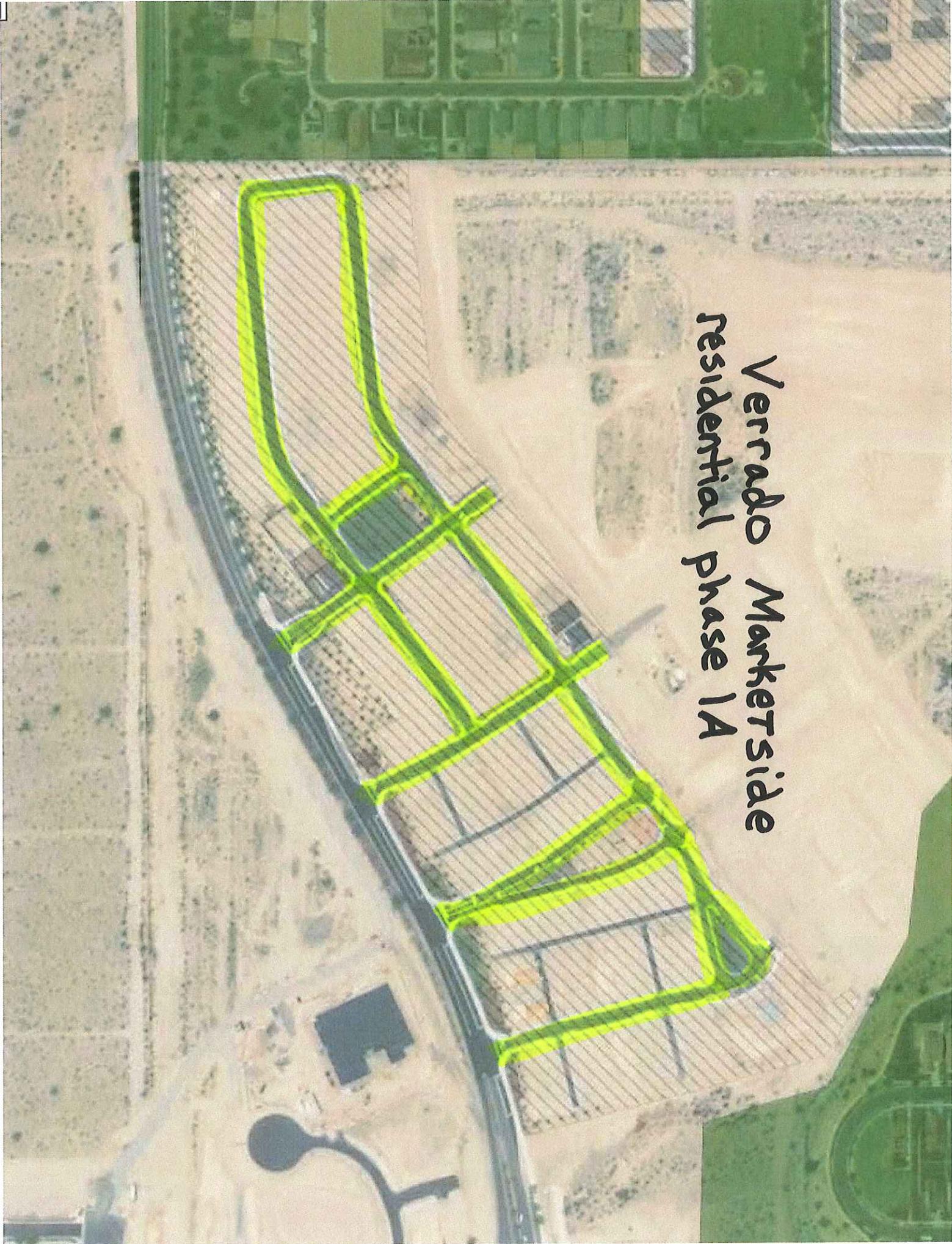
Victory
Blvd

tiger mountain
Drive

Verrado Victory District
Phase 4 parcel LF



Verrado Markerside
residential phase 1A





Canal Rd

Buckeye Canal Rd

Apache Rd

MC 85

Baseline Rd

Rex's Saloon

Pizza Hut

Sonic Drive-In

N Beloit St

Camelot Apartments

Sierra Verde Apartments

Beloit St

E Ash Ave

N Date Cir

Elronwood Dr

85

85



Durango St
247th Ave

Painted Desert
Montessori Academy

S24

apartments
E South Ave

E White Ave
E Fisher Ave

n Ave

W Lower River Rd

W Lower

S Norton Dr

Wingfield Livestock
Transportation

S Norton Dr

Norton Drive

S Norton Dr

zen Rd

Google

