



CITY OF SURPRISE
Regular City Council Meeting Agenda
16000 N. Civic Center Plaza
Surprise, AZ 85374

Tuesday, April 5, 2016 @ 6:00 PM
Amended agenda - 4/1/2016 at 1:30 PM - added executive session and amended on
04/04/16 @ 10:31 a.m. adding Resolution No. 2016-58.

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A. Call To Order

B. Roll Call

C. Pledge of Allegiance

D. PROCLAMATION AND COMMUNITY ACKNOWLEDGEMENTS

District Citywide	<u>A proclamation recognizing April 6, 2016 as <i>Start By Believing Day</i>. Mayor Sharon Wolcott will present the proclamation to Surprise Police Chief Terry Young.</u>	None Mayor Sharon Wolcott
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E. City Manager Report:

District Internal	<u>Bell Grand Update; Rose the Therapy Dog</u>	None Bob Wingenroth, City Manager
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F. City Attorney Report:

G. City Clerk Report:

H. Call To The Public:

INSTRUCTIONS: In order to address the City Council, you will need to fill out a Call to the Public Form available at the front counter, and then turn it in to the City Clerk before the meeting begins.

[Download the Call to the Public form](#) (PDF download requires [Adobe Acrobat Reader](#))

[Fill out the Call to the Public form online](#) If submitting form electronically, please submit to City Clerk at least one hour before the meeting start time.

The Call to the Public form is also available at the front counter.

Note: A.R.S. 38-431.01(H) - During this time members of the public may address City Council on any item not on the agenda. At the conclusion of the open call, City Council may respond to criticism, may ask staff to review the matter or may ask that the matter be put on a future agenda. No discussion or action shall take place on any item raised.

Approval of items on the Consent Agenda – all items with an asterisk (*) are considered to be routine matters and will be enacted by one motion and one roll call vote to the City Council. There will be no separate discussion on these items unless a Councilmember requests, in which event the item will be removed from the consent agenda and considered in its normal sequence on the agenda.

I. Regular City Council Meeting Agenda:

Consent Agenda:

1. District Citywide [Consideration and action on the minutes of March 15, 2016 Regular City Council Work Session and Regular City Council Meeting.](#) None
Sherry Ann Aguilar, City Clerk
2. District Citywide [Consideration and action approving an Intergovernmental Agreement between the City of Surprise and Maricopa County Department of Transportation \(MCDOT\) for a cooperative roadway maintenance and improvement program; Resolution # 2016-33.](#) None
Karl Zook, Public Works Department
3. District 1 [Consideration and action declaring the City's intention to create a lighting improvement district pursuant to A.R.S. 48-616 for the purpose of purchasing facilities and energy for lighting the public streets and parks for the Austin Ranch West Parcel 4 #139 Street Lighting Improvement District; Resolution No. 2016-36.](#) None
Karl Zook, Public Works Department
4. District 1 [Consideration and action pertaining to approval, subject to alternative approval directions, of the final plat entitled "Austin Ranch West Parcel 4", a 36.55 acre 138 lot, single-family subdivision generally located on the northern side of West Valley Road, 2.4 miles west of Grand Avenue; Resolution # 2016-40.](#) None
Hobart Wingard - Community Development
5. District 1 [Consideration and action pertaining to approval, subject to alternative approval direction, of the final plat entitled "Austin Ranch West Parcel 1", a 114.28 acre, 420 lot single-family subdivision, generally located on the northern side of West Deer Valley Road, 1.6 miles west of Grand Avenue.](#) None
Hobart Wingard - Community Development
6. District Citywide [Consideration and action pertaining to the acceptance of an award from the Arizona Governor's Office of Highway Safety in the amount of \\$4,000 to enforce seat belt and child safety seat laws as part of the national "Click it or Ticket" campaign; Resolution # 2016-46.](#) None
Terry Young, Chief of Police
7. District Internal [Consideration and action amending the fiscal year 2016 budget by reallocating appropriations of \\$31,700 from grant fund contingency to the City Clerk's General Fund Personnel budget to add a staff position within the Clerk's Office; Resolution # 2016-44.](#) None
Sherry Aguilar, City Clerk MMC
8. District Citywide [Consideration and action approving a Federal Emergency Management Agency \(FEMA\) grant application through the Assistance to Firefighters Grant \(AFG\) program for Staffing for Adequate Fire and Emergency Response \(SAFER\) in the amount of \\$737,850; Resolution # 2016-50.](#) None
Tom Abbott, Fire Chief
9. District Citywide [Consideration and action approving a Governor's Office of Highway Safety \(GOHS\) grant application in the amount of \\$20,000 to host a FY2017 DUI and Distracted Driving Mock](#) None
Tom Abbott, Fire

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|---|--|---|
| | <u>Crash Drill in conjunction with the Dysart Unified School District (DUSD); Resolution # 2016-49.</u> | Chief |
| 10. District 3 | <u>Consideration and action amending the fiscal year 2016 budget by reallocating appropriations of \$205,000 for construction of Cactus Road 175th Ave to Cotton; Resolution #2016-53.</u> | None
Mike Gent
Public
Works
Director |
| Regular Agenda Item - Public Hearing: | | |
| 11. District 4 | <u>Consideration and action pertaining to an Ordinance rezoning, a .36 acre parcel generally located on the southwest corner of W. Ironwood Street and N. Verde Street in the Original Townsite, from CN/RL-5 split zoning to RL-5; Ordinance # 2016-02.</u> | None
Sergio
Angulo,
Community
Development |
| Regular Agenda Item - Non-Public Hearing: | | |
| 12. District 4 | <u>Consideration and action pertaining to the final plat entitled "The Door Christian Fellowship", a two lot .36 acre property generally located south of Ironwood Street and west of Verde Street in the Original Townsite.</u> | None
Sergio
Angulo,
Community
Development |
| 13. District 4 | <u>Consideration and Action authorizing the City Manager and Mayor to execute the First Amendment to the 2009 Intergovernmental Agreement for Water Service by the City of El Mirage to the City of Surprise within the Original Townsite.</u> | None
Rick Buss,
Assistant
City
Manager |
| 14. District Citywide | <u>Consideration and action pertaining to adoption of a "Notice of Intention" declaring the City's intent to adopt a Stormwater Utility Rate and setting a public hearing on the proposed Rate adoption for May 17, 2016 at 6pm, in the City Hall Council Chambers, 16000 N. Civic Center Plaza, Surprise, Arizona, 85374.</u> | No Action
Terry Lowe,
Water
Resource
Management
Director |
| 15. District Citywide | <u>Consideration and action pertaining to the Arts & Cultural Advisory Commission's recommendation for the City to acquire art piece "Top Knot" [formerly known as "Knot me"] at a cost not to exceed \$14,000.</u> | None
Edith
Baltierrez,
Senior
Management
Analyst |
| 16. District Citywide | <u>Discussion pertaining to revenue projections and expenditure recommendations.</u> | None
Lindsey
Duncan,
Finance
Director |
| 17. District Citywide | <u>Consideration and action to approve four Intergovernmental Agreements pertaining to grant funding for Safe Routes to School Action Plans, maps, and crosswalk safety equipment; Resolution #2016-34.</u> | No Action
Martin
Lucero,
Community
Development |

- | | | |
|-----------------------|---|--|
| 18. District Citywide | <u>Consideration and action pertaining to the adoption of a City Wide Temporary Sign Policy; Resolution #2016-43.</u> | None
Eric Fitzer,
Community
Development |
| 19. District Citywide | <u>Consideration and action pertaining to changing the May 3, 2016 Regular Council Meeting to May 4, 2016.</u> | None
Jeanine
Jerkovic |
| 20. District Internal | <u>“Discussion and action pertaining to acceptance of a Dedication of Drainage Easement north of Greenway Road between Bullard Avenue and Litchfield Road; Resolution # 2016-58.”</u> | None
Robert
Wingo, City
Attorney |

J. Other Business and Future Agenda Items:

K. Mayor/Council Reports:

L. Executive Session:

- | | | |
|-----------------------|--|---|
| 21. District Internal | <u>Discussion and action to enter executive session for discussion or consultation with the City Attorney to consider its position regarding contracts that are the subject of negotiations, in pending litigation and settlement discussions pertaining to litigation in City of Surprise v. Surprise Center Development Company pursuant to Arizona Revised Statutes 38-431.03 (A)(4).</u> | None
Robert
Wingo, City
Attorney |
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For information Purposes; Upon a public majority vote of a quorum of the City Council, the Council may hold an executive session, which will not be open to the public, but for only the following purposes:

- discussion or consideration of personnel matters (A.R.S. §38-431.03 (A)(1));
- discussion or consideration of records exempt by law from public inspection (A.R.S. §38-401.03 (A)(2));
- discussion or consultation for legal advice with the city’s attorneys (A.R.S. §38-431.03 (A)(3));
- discussion or consultation with the city’s attorneys regarding the city’s position regarding contracts that are the subject of negotiations, in pending or contemplated litigation, or in settlement discussions conducted in order to avoid or resolve litigation (A.R.S. §38-431.03 (a)(4));
- discussion or consultation with designated representatives of the city in order to consider its position and instruct its representatives regarding negotiations with employee organizations (A.R.S. §38-431.03 (A)(5)); or
- discussion, consultation or consideration for international and interstate negotiations or for negotiations by a city or town, or its designated representatives, with members of a tribal council, or its designated representatives, of an Indian reservation located within or adjacent to the city or town. A.R.S. §38-401.03 (A)(6)).
- discussing or consulting with designated representatives of the city in order to consider its position and instruct its representatives regarding negotiations for the purchase, sale or lease of real property (A.R.S. §38-431.03 (A)(7)).

Confidentiality Requirements Pursuant to A.R.S. §38-431.03(C)(D): Any person receiving executive session information pursuant to A.R.S. §38-431.02 shall not disclose that information except to the Attorney General or County Attorney by agreement of the City Council, or as otherwise ordered by a

court of competent jurisdiction.

The council may vote to hold an executive session for the purpose of obtaining legal advice from the Board's attorney on any matter listed on the agenda pursuant to A.R.S. § 38-431.03(A)(3).

M. Adjournment:

SHERRY ANN AGUILAR, CITY CLERK, MMC

POSTED: April 4, 2016 @ 10:32 a.m.

SPECIAL NOTE: PERSONS WITH SPECIAL ACCESSIBILITY NEEDS, INCLUDING LARGE PRINT MATERIALS OR INTERPRETER, SHOULD CONTACT THE CITY CLERK'S OFFICE @ 623.222.1200 OR TTY 623.222.1002, BY NO LATER THAN 24 HOURS IN ADVANCE OF THE REGULAR SCHEDULED MEETING TIME.



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

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Council Meeting Date: April 5, 2016

Contact Person: Paul Bernardo, Youth Services Administrator

Submitting Department:

District: Internal

Staff Recommendations: None

Consent

Regular

Public Hearing

Report/Discussion

Agenda Wording:

Pledge led by Arizona Charter Academy

Motion:

Background:

Objective Analysis:

Policy Compliant:

Financial Impact:

Budget Impact:

FTE Impact:

ATTACHMENTS:

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No Attachments Available



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

Back Print

Council Meeting Date: April 5, 2016

Contact Person: Bob Wingenroth, City Manager

Submitting Department:

District: Internal

Staff Recommendations: None

Consent

Regular

Public Hearing

Report/Discussion

Agenda Wording:

Bell Grand Update; Rose the Therapy Dog

Motion:

None.

Background:

Objective Analysis:

Policy Compliant:

Financial Impact:

Budget Impact:

FTE Impact:

ATTACHMENTS:

Click to download

No Attachments Available



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

Back Print

Council Meeting Date:	April 5, 2016	Contact Person:	Sherry Ann Aguilar, City Clerk
Submitting Department:		District:	Citywide
Staff Recommendations:	None		

Consent	x	Regular	Public Hearing	Report/Discussion
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Agenda Wording:

Consideration and action on the minutes of March 15, 2016 Regular City Council Work Session and Regular City Council Meeting.

Motion:

I move to approve the meeting minutes.

Background:

Objective Analysis:

Policy Compliant:

Financial Impact:

Budget Impact:

FTE Impact:

ATTACHMENTS:

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CITY OF SURPRISE
Regular City Council Work Session Minutes
16000 North Civic Center Plaza
Surprise, AZ 85374

Tuesday, March 15, 2016 @ 04:00 PM

Call to Order

Roll Call

Mayor Wolcott called the **Regular City Council Work Session** to order at 04:00 p.m. at Surprise City Hall Council Chamber 16000, North Civic Center Plaza Surprise, Arizona 85374 , on **Tuesday, March 15, 2016**. Also in attendance with Mayor Wolcott were Vice Mayor Biundo, Council Member Winters, Council Member Villanueva, Council Member Hall, and Council Member Tande.

Staff City Manager, Bob Wingenroth, City Attorney, Robert Wingo, and City
Present: Clerk, Sherry Ann Aguilar.

Pledge of Allegiance

Regular Agenda Item - Non-Public Hearing

1 – Presentation and discussion with the President & CEO of the Greater Phoenix Economic Council (GPEC), Chris Camacho, providing an update on their new organizational 3-year strategic plan - NO ACTION

Economic Development Director, Jeanine Jerkovic introduced Chris Camacho, President and CEO of GPEC to give an update on the 3 year strategic plan. A powerpoint presentation was reviewed.

Council Member Tande - The number one priority is creating jobs and GPEC is a strategic strength for this.

2 – Presentation and discussion pertaining to review of capital projects - NO ACTION

Regular City Council Work Session Minutes – March 15, 2016 – Page 2

Budget Manager, Jared Askelson gave a powerpoint presentation regarding Capital Projects.

Council Member Winters - Questioned public works facilities being maxed out.

Council Member Hall - Spreadsheet on source funds, where will the money be coming from? The lights on Bell Road need maintenance, the poles and banners look tired in the far west section of Bell Road. Before we get into a big capital plan, we need to figure out a way to take care of what we have.

Mr. Askelson - 14 bay vehicle maintenance yard, fleet maintenance, fuel station, etc.

Council Member Hall - Is it our intention to abandon the existing one, or still use it? The south plant is not the center of our City. This is too high level for me; we need more information before I can make a decision.

Mr. Askelson further explained what the budget process will be and that this is preliminary discussions.

Council Member Villanueva - Are the 8 buses for the City or Maricopa County?

Mr. Askelson - actually 9 buses and it would depend on the decisions that the Council will make for a circuit route to the hospital, regional.

Council Member Tande - I like the idea of a circulator until we get our fair share of transit in Surprise. He questioned several projects that are necessary citywide for landscaping. I do like this as a concept to look at putting this before our citizens for a vote.

Council Member Biundo - I appreciate the work put into this. Some priorities are going to emerge from the priorities. It was so important to keep this broad view in place; otherwise you lose the symmetry and total branding.

City Manager Wingenroth - I want to give a lot of credit to Ms. Duncan and Mr. Askelson and the Finance team. When I came to Surprise we were concentrating on paying the light bills and mortgages, now we need to identify what our assets are and future projects. We still have a ways to go, but important is the coordination of all our departments.

Regular City Council Work Session Minutes – March 15, 2016 – Page 3

Mayor Wolcott - It is very clear that there are a lot of outstanding projects and needs. MAG regional transit concerns, federal funding that may be available but not used. We need to have a very strategic plan in place and may drive some of the priority decision making with additional funding available. This task can be somewhat daunting.

Council Member Villanueva - Entry ways into our City are not on the list.

3 – Presentation and discussion pertaining to City Transportation projects – NO ACTION

Suneel Garg, City Engineer conducted a powerpoint presentation for transportation projects - NO ACTION

Karl Zook - Greenway Road Project, complete by June 2016.

Council Member Winters - Fantastic job on sidewalk project on Bell Road.

Council Member Villanueva - I have heard comments from residents in Coyote Lakes that they are very happy for the sidewalk project, they can connect with the rest of the City.

Mayor Wolcott - Not only is it great for connectivity, but it makes it look great.

4 – Presentation and discussion pertaining to the fiscal year 2016 Capital Improvement Projects – NO ACTION

Michael Boule gave a powerpoint presentation for FY 2016 Capital Projects.

Council Member Winters - questioned electrical panel capacity.

Council Member Hall - Lights still all work at the Stadium?

Mr. Boule - Absolutely!

Council Member Tande - Remaining capital balance, that has all been appropriated, correct?

Ms. Duncan - there is ability to prioritize, is my understanding.

Regular City Council Work Session Minutes – March 15, 2016 – Page 4

Council Member Biundo - It would be interesting to see what's in the queue for the 19 million dollars.

Executive Session

Adjournment

Council Member Winters made the motion to adjourn the Regular City Council Meeting of March 15, 2016 at 5:30 PM. Council Member Villanueva seconded the motion. Six yes votes. Motion carried.

Sharon R. Wolcott, Mayor

ATTEST:

Sherry Ann Aguilar, City Clerk

CERTIFICATION:

I, Sherry Ann Aguilar, City Clerk for the City of Surprise, Maricopa County, Arizona, do hereby verify that these are the true and correct minutes of the Regular City Council Work Session of **Tuesday, March 15, 2016.**

Sherry Ann Aguilar, City Clerk

CITY OF SURPRISE
Regular City Council Meeting Minutes
16000 North Civic Center Plaza
Surprise, AZ 85374

Tuesday, March 15, 2016 @ 06:00 PM

Call to Order

Roll Call

Mayor Wolcott called the **Regular City Council Meeting** to order at 06:00 p.m. at Surprise City Hall Council Chamber, 16000 North Civic Center Plaza Surprise, Arizona 85374 , on **Tuesday, March 15, 2016**. Also in attendance with Mayor Wolcott were Vice Mayor Biundo, Council Member Winters, Council Member Villanueva, Council Member Hall, and Council Member Tande.

Staff Present: City Manager, Bob Wingenroth, City Attorney, Robert Wingo, and City Clerk, Sherry Ann Aguilar.

Pledge of Allegiance

Proclamation and Community Acknowledgements

A proclamation recognizing March 2016 as National Athletic Training Month. Mayor Sharon Wolcott will present the proclamation to representatives from Swing Orthopedic and Sports Physical Therapy in Surprise.

Mayor Wolcott issued a proclamation recognizing Athletic Training Month.

City Manager Report

City Attorney Report

City Clerk Report

Presidential Preference voting update, March 22 - two polling locations one at Marley Park and the other at Arizona Traditions.

Consent Agenda

1 – Consideration and action pertaining to approval of an Intergovernmental Agreement with the Arizona Department of Transportation for the State Route 303 Loop and US 60 (Grand Avenue) traffic interchange landscape construction and maintenance; Resolution # 2016-16 - APPROVED

2 – Consideration and action pertaining to authorizing the submission , and if granted, the acceptance and execution, of the FY2017 Governor's Office of Highway Safety Grant application; Resolution # 2016-38 - APPROVED

3 – Consideration and action on the minutes of March 1, 2016 Regular City Council Work Session and Regular City Council Meeting - APPROVED

Council Member Winters made the motion to approve the consent agenda. Vice Mayor Biundo seconded the motion. Six yes votes. Motion carried.

Regular Agenda Item - Public Hearing

4 – Consideration and action regarding a Major PAD Amendment/Rezone to the Canyon Ridge West PAD changing the zoning of the property from PAD (High Density Residential 9-22 DU/Ac) to PAD (Community Commercial); Ordinance # 2016-03 - APPROVED

Robert Kuhfuss, City Planner gave a presentation regarding Ordinance No. 2016-03.

Council Member Hall - The sign, will there be light intrusion to the north for the housing development?

Mr. Kuhfuss - No homes are in close proximity to the north and west side, only businesses are in the path of power lines along 115th Avenue.

Mayor Wolcott - Regarding flood control project on southern border, are there plans for other surface development on this site?

Mr. Kuhfuss - Not at this time, only landscaping. I don't want to create another flood control project that doesn't add value to the visuals around this corner.

Michael Boule, the flood control project is the main focus on this channel to screen, it's dyed a brown earth tone color, and gravel to help with erosion control.

Regular City Council Meeting Minutes – March 15, 2016 – Page 3

No public comments were made.

Brian Greyhouse representing Quik Trip, thanked Council and offered to answer any questions Council may have.

Council Member Villanueva made the motion to approve Ordinance 2016-03. Council Member Winters seconded the motion. Six yes votes. Motion carried

Regular Agenda Item - Non-Public Hearing

5 – Consideration and action pertaining to the funding recommendations for the Neighborhood Grant Applications for Fiscal Year 2015-16 - APPROVED

Human Services Director, Seth Dyson gave a powerpoint presentation on this item. He commented that 5 projects are being recommended for approval, 4 were submitted and presented before the deadline.

Council Member Villanueva thanked all of the applicants that participated in this project. How many people are here that attended the meetings? Several residents were in attendance.

Council Member Tande - Was there a requirement for attendance to the meeting?

Mr. Dyson - The sub-committee meeting was advertised very well and all were asked to attend, but there are no requirements.

Council Member Tande - The projects need to be completed by June, but there may be an exception. Sanalina's request would require the subdivision to come up with some funding for this project.

Council Member Hall made the motion to approve the Neighborhood Grant Applications for Fiscal Year 2016-16. Council Member Tande seconded the motion. Six yes votes. Motion carried.

6 – Consideration and action on appointing of Ira McCullough to fill a vacancy on the Personnel Appeals Board with a term expiration of September 11, 2016. The City Clerk will issue the Oath of Office after approval - APPROVED

Council Member Winters reviewed the interview process and the selection for this board.

Regular City Council Meeting Minutes – March 15, 2016 – Page 4

Council Member Winters made the motion to approve the appointment of Ira McCullough. Vice Mayor Biundo seconded the motion. Six yes votes. Motion carried.

City Clerk Aguilar administered the Oath of Office for Mr. McCullough.

7 – Consideration and action pertaining to the Bell and Grand Temporary Sign and Temporary Use Permit Policy; Resolution # 2016-42 - APPROVED

Community Development Director, Eric Fitzer gave a powerpoint presentation for this item.

Council Member Hall - Good job on this, but on 134th Avenue, ADOT will close. In anticipation of this, I would like to see them go through this with you before ADOT finishes. Can this be done?

Mayor Wolcott - Part of the new sign ordinance gives an opportunity to clean up certain sections in the City Code. It is cluttered and doesn't give good accurate direction.

Council Member Tande - Kiosk sign program, less clutter during the temporary time period.

Vice Mayor Biundo - commented on Sunset and Bell Grand.

Council Member Villanueva - Questioned perimeters.

Council Member Winters made the motion to approve Resolution 2016-42. Vice Mayor Biundo seconded the motion. Six yes votes. Motion carried.

8 – Presentation and discussion pertaining to review of operating programs - NO ACTION

Finance Director, Lindsey Duncan gave a powerpoint presentation on this item. Overall discussion of 2017 Operating Programs.

City Manager Wingenroth discussed Public Safety budget requests.

Emergency Management Director - Would like to proceed with this position. National search with extensive experience.

Council Member Winters - Food tax, for a specific time or ongoing?

Regular City Council Meeting Minutes – March 15, 2016 – Page 5

Mr. Askelson - for an ongoing purpose.

Council Member Winters - likes option 2.

Mayor Wolcott - This is a good time for Council to discuss the options provided.

Council Member Hall - General sales and food tax, 120 day advanced notice, what about for the property tax? I recommend option 1. It is straight forward, and remains general sales and food tax the same and it's totally for public safety.

Council Member Villanueva - Can you please give me an example of food tax amount?

Mr. Askelson - \$1.00 per every hundred dollars purchased.

Council Member Villanueva - This is good to know since people are going to ask.

Mayor Wolcott - A group of people at my home discussed this and there was an objection to a food tax, but most didn't even know that we didn't charge a food tax.

Council Member Tande - Anytime we change tax rates it needs to be simple for our residents. I am concerned about the property tax, but I don't want it to go down too much, 7.5% is still a reduction. For future years, do we want to keep cutting ourselves off?

Vice Mayor Biundo - Options 1 or 2 would be my suggestion, but asked for certain tax rates be adjusted, but I'm leaning towards option 2.

Mayor Wolcott - I would like to know exactly with the food tax at 2.0 and leave the property tax the same. A lot of our residents will go to other areas of the valley since our sales tax is high here in Surprise. I am not in favor of the food tax, but I am hearing continuity with Council. I am leaning more in favor in small increase in property tax. We need to find some common ground.

Mr. Askelson - Hearing that the consensus is highest on food tax 2.15%.

Council Member Tande - 2.15% is fair on food tax.

Council Member Hall - One other consideration, the CSRI study, they quantify the demand for grocery stores in Surprise.

9 – Consideration and action pertaining to establishing the City of Surprise Stormwater Utility; declaring the City’s intent to create a stormwater rate and setting a date of May 17, 2016 for a public hearing on the proposed new utility rate; and adoption of the notice of intention; Ordinance # 2016-04 - APPROVED

Water Resources Director, Terry Lowe clarified that the item will not establish the rate tonight, but will bring back on April 5, 2016.

Council Member Hall - How many miles of stormwater pipe in the City?

Mr. Lowe - 274 miles of pipe.

Council Member Villanueva - Stormwater only from rain?

Mr. Lowe - we are looking at what falls from rain.

Council Member Winters - Add stormwater to American Water?

Mr. Lowe - Not at this time.

Public comments:

Ken Remley - Last council meeting I spoke on the agenda item. I am not opposed to stormwater, we need to have the separate utility to match the revenues and costs.

Mayor Wolcott - Notice of Intent only, correct?

Mr. Lowe - you are entertaining the ordinance, which will create the utility intention.

Council Member Villanueva made the motion to approve Ordinance 2016-06. Council Member Tande seconded the motion. Six yes votes. Motion carried.

10 – Consideration and action amending the fiscal year 2016 budget by reallocating appropriations of \$50,000 from Economic Development contingency fund to Economic Development operations fund to cover costs related to new and increased programming in facilitation of strategic business retention and marketing activities at the Bell and Grand project intersection; Resolution #2016-41 - APPROVED

Economic Development Director Jeanine Jerkovic reported on this item.

Regular City Council Meeting Minutes – March 15, 2016 – Page 7

Mayor Wolcott - Thanked staff for putting this together, I love the idea of the digital program. People love digital coupons instead of paper coupons.

Council Member Tande - Do you need to be a chamber member?

Ms. Jerkovic - No, it is for the businesses at this intersection.

Council Member Tande - Will there be a metrics captured to see if effective?

The Chamber President Raoul Sada spoke of going digital, data and said it is very measurable.

Council Member Hall made the motion to approve Resolution 2016-41. Council Member Tande seconded the motion. Six yes votes. Motion carried.

11 – Consideration and action pertaining to approval of an Intergovernmental Agreement between the City of Surprise and the Arizona Board of Regents for the purpose of receiving federal grants and coordinating the creation of an Arizona military energy land use plan; Resolution # 2016-24 - APPROVED

Community Development Director, Eric Fitzer gave an overview of this item.

Council Member Hall - I noticed that the time requirement is 3.5 hours per week, does the grant reimburse your time?

Council Member Tande - Will there be future projects?

Mr. Fitzer - Yes.

Vice Mayor Biundo made the motion to approve Resolution 2016-24. Council Member Winters seconded the motion. Six yes votes. Motion carried.

12 – Consideration and action pertaining to amendment of the Surprise Municipal Code Chapter 42, Sections 3 through 6 and 11 associated with assessments for infrastructure improvements in advance of development; Ordinance # 2016-06 - APPROVED

Public Works Director, Mike Gent gave an overview for this item.

Council Member Tande - Does it mirror the State exactly?

Regular City Council Meeting Minutes – March 15, 2016 – Page 8

Mr. Gent - Yes and providing the process.

Mayor Wolcott - I like the transparency, it makes a lot of sense.

Council Member Hall made the motion to approve Ordinance 2016-16. Council Member Villanueva seconded the motion. Six yes votes. Motion carried.

13 – Consideration and action pertaining to an amendment of the FY2016 budget by reallocating appropriations and a transfer of actual funds to establish a capital project for infrastructure design for the Northwest corner of Greenway Road and South Civic Center Drive; Resolution # 2016-39 - APPROVED

Public Works Director, Mike Gent gave an overview for this item.

Council Member Hall made the motion to approve Resolution 2016-39. Council Member Tande seconded the motion. Six yes votes. Motion carried.

14 – Consideration and action amending Surprise Municipal Code Sections 105-104 and 105-106 pertaining to Nuisance Property and crime free addendum by repealing same; Ordinance # 2016-07.

15 – Discussion and possible action pertaining to approval of a settlement in Edwards v City of Surprise.

City Attorney Wingo commented that items 14 and 15 are related to items 17 and 18 for executive session. He suggested voting to adjourn into executive session, come back out and address the two action items. Item #16 was also discussed in executive session, no action was taken.

Council Member Winters made the motion to recess the Regular City Council Meeting and enter into executive session at 8:17 PM. Council Member Hall seconded the motion. Six yes votes. Motion carried.

Executive Session

16. Consideration and action to enter into executive session for discussion and consultation for legal advice with the City Attorney pertaining to the Cactus Road alignment Right of way pursuant to A.R.S. 38-431.03(A)(3).

17. Consideration and action to enter into executive session for discussion and consultation for legal advice with the City Attorney pertaining to Markham v. City of Surprise, et al. pursuant to A.R.S. 38-431.03(A)(3).

18. Discussion and action to enter executive session for discussion, consultation, and legal advice from the City Attorney pertaining to Edwards v. City of Surprise pursuant to Arizona Revised Statutes 38-431.03 (A)(3).

Mayor Wolcott reconvened the Regular City Council Meeting at 9:01 PM.

14 – Consideration and action amending Surprise Municipal Code Sections 105-104 and 105-106 pertaining to Nuisance Property and crime free addendum by repealing same; Ordinance # 2016-07 - APPROVED

Council Member Hall made the motion to approve repealing Sections 105-104 and 105-106.

City Attorney Wingo commented that ordinance 2016-07 will accomplish the repeal of our code sections.

Council Member Hall amended his motion and made the motion to approve Ordinance 2016-07. Council Member Winters seconded the motion. Six yes votes. Motion carried.

15 – Discussion and possible action pertaining to approval of a settlement in Edwards v City of Surprise - APPROVED

Council Member Tande made the motion to authorize the City Attorney to settle Edwards v. City of Surprise in the amount of \$132,500.00. Council Member Villanueva seconded the motion. Six yes votes. Motion carried.

Other Business

Council Member Villanueva - OTS/EI Mirage water rates 2nd by Mayor Wolcott.

Mayor Wolcott - General Obligation Bond discussion.

Mayor/Council Reports

Mayor and Council attended and/or commented on the following:

Regular City Council Meeting Minutes – March 15, 2016 – Page 10

Council Member Villanueva - community meeting on 3/16 at 6:00 PM at the Senior Center.

Council Member Winters - League Conference in Washington, DC

Mayor Wolcott - 2016 State of the City Address, thanked the City team for working behind the scene.

Adjournment

Council Member Hall made the motion to adjourn the Regular City Council Meeting of March 15, 2016 at 9:13 PM. Council Member Winters seconded the motion. Six yes votes. Motion carried.

Sharon R. Wolcott, Mayor

ATTEST:

Sherry Ann Aguilar, City Clerk

CERTIFICATION:

I, Sherry Ann Aguilar, City Clerk for the City of Surprise, Maricopa County, Arizona, do hereby verify that these are the true and correct minutes of the Regular City Council Meeting of **Tuesday, March 15, 2016.**

Sherry Ann Aguilar, City Clerk



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

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Council Meeting Date:	April 5, 2016	Contact Person:	Karl Zook, Public Works Department
Submitting Department:	Public Works	District:	Citywide
Staff Recommendations:	None		

Consent	x	Regular	Public Hearing	Report/Discussion
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Agenda Wording:

Consideration and action approving an Intergovernmental Agreement between the City of Surprise and Maricopa County Department of Transportation (MCDOT) for a cooperative roadway maintenance and improvement program; Resolution # 2016-33.

Motion:

I move to approve Resolution # 2016-33.

Background:

The City of Surprise and Maricopa Department of Transportation desire to develop and implement a cooperative highway maintenance program whereby routine or emergency highway maintenance will be performed more efficiently. The Entente Program is designed to look beyond jurisdictional or geographical boundaries and instead focus on the maintenance task needed and the availability of resources. The Entente Program is a method of providing goods and services to each Party by entering into temporary Letter of Agreements (LOA). The Parties desire to authorize the County Transportation Director and the City Manager, or designee to enter into a separate LOA for each routine or emergency highway maintenance project. Examples of routine or emergency highway maintenance projects include grading, sweeping, surface treatments/seal coats, signage, striping, debris removal, material hauling, fence repair, storm drain/culvert repair, barricading, pothole repair, equipment exchange, concrete repair, weed control and graffiti. Per fiscal year, the total of the LOAs will not exceed \$250,000 and will be in accordance with the City's procurement policies. The City Manager or designee shall ensure that sufficient financing is available prior to entering into a LOA

Objective Analysis:

This IGA will continue to promote cooperation between two agencies on roadway projects.

Policy Compliant:

This IGA is in line with the City's policy to provide timely services.

Financial Impact:

The total amount of all LOAs shall not exceed \$250,000 per fiscal year. The County and City shall budget, finance and bear the expense for each LOA separately and ensure that sufficient financing is available prior to entering into a LOA.

Budget Impact:

Appropriation for each LOA will be approved with the annual budget process or through action brought to Council by staff during the fiscal year.

FTE Impact:

The number of full time equivalents (FTE) is not impacted by this item.

ATTACHMENTS:

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- ☐ [Resolution 2016-33](#)
 - ☐ [Maricopa County IGA](#)
-

RESOLUTION # 2016-33

A RESOLUTION OF THE MAYOR AND COUNCIL OF THE CITY OF SURPRISE, ARIZONA APPROVING AN INTER-GOVERNMENTAL AGREEMENT WITH MARICOPA COUNTY TO PERFORM ROUTINE OR EMERGENCY ROADWAY MAINTENANCE SERVICES THROUGH THE ENTENTE PROGRAM.

WHEREAS, pursuant to Arizona Revised Statutes §11-951, *et seq.*, the City of Surprise has the authority to enter into intergovernmental agreement with other governmental entities;

WHEREAS, the parties desire to enter into an intergovernmental agreement in order to provide joint services for the routine or emergency maintenance of roads;

WHEREAS, each maintenance project will require separate Letters of Agreements, and

WHEREAS, no additional capital expenditure is required for the services.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the City of Surprise, Arizona, as follows.

Section 1. The Intergovernmental Agreement between the City of Surprise and Maricopa County, attached as Exhibit A, is approved.

Section 2. The City Manager and Mayor, or their designees, are hereby authorized to execute and submit all documents and other necessary or desirable instruments in connection with said agreement.

APPROVED AND ADOPTED this ____ day of _____, 2016.

Sharon R. Wolcott, Mayor

Attest:

Approved as to form:

Sherry Aguilar, City Clerk

Robert Wingo, City Attorney

EXHIBIT A

INTERGOVERNMENTAL AGREEMENT BETWEEN
THE CITY OF SURPRISE AND MARICOPA COUNTY

INTERGOVERNMENTAL AGREEMENT
BETWEEN MARICOPA COUNTY AND THE CITY OF SURPRISE
FOR THE EXCHANGE OF SERVICES (ENTENTE)

(C-64-13- _____ -M-00)

This Intergovernmental Agreement ("**Agreement**") is between the County of Maricopa, a political subdivision of the State ("**County**"), and the City of Surprise, a municipal corporation ("**City**"). The County and City are collectively referred to as the **Parties** or individually as a **Party**.

STATUTORY AUTHORIZATION

1. A.R.S. §11-251 and §§28-6701 *et seq.* authorize the County to layout, maintain, control and manage public roads within the County.
2. A.R.S. §§11-951 *et seq.* authorize public agencies to enter into Intergovernmental Agreements for the provision of services or for joint or cooperative action.
3. A.R.S. §§9-240 and §9-276 *et seq.* authorize the City to layout and establish, regulate and improve streets within the City, and to enter into this Agreement.

DURATION

4. This Agreement shall become effective as of the date it is approved by the Maricopa County Board of Supervisors and remain in full force and effect for five (5) years ("**Term**"). Any Party may terminate this Agreement for any reason upon furnishing the other Party with a written notice at least thirty (30) days prior to the effective termination date.

BACKGROUND

5. The Parties desire to develop and implement a cooperative roadway improvement program whereby routine or emergency roadway maintenance will be implemented more efficiently (the “**Entente Program**”). The Entente Program is designed to focus on the maintenance task needed and the availability of resources. The Entente Program is a method of providing goods and services to each Party by entering into temporary Letters of Agreement (the “**LOA**” or “**LOAs**”). The Parties desire to authorize the County Transportation Director (or designee) and the City Manager, or designee, to enter into separate LOAs for each routine or emergency roadway maintenance project.
6. The Parties previously entered into an Intergovernmental Agreement (C-91-11-036-M-00), recorded at Maricopa County Recorder No. 2011-0178783 (“**IGA**”) for the Exchange of Services. The IGA was effective on September 15, 2010, the date it was approved by the Maricopa County Board of Supervisors, and expired on September 15, 2015.

PURPOSE OF THE AGREEMENT

7. The purpose of this Agreement is to establish procedures to authorize the County Transportation Director (or designee) and the City Manager (or their designee) to enter into LOAs to exchange goods or services between each Party in order to perform routine or emergency roadway maintenance services.

TERMS OF THE LOA

8. Each LOA will describe the routine or emergency roadway maintenance project and the goods or services that are being exchanged between the Parties. If applicable, the LOA will also state the amount of reimbursement owed to the other Party if the value of goods or services exchanged is not of equal value; provided, however, the total aggregate reimbursement that is in excess of the value of the goods or services received for all LOAs entered into pursuant to this Agreement shall not exceed \$250,000 per fiscal year.
9. After the Parties enter into an LOA, if there are unexpected or unforeseen costs that cause the value of the goods or services exchanged to become unequal or add to the amount of reimbursement for that LOA, the Parties shall amend the LOA, in writing; provided, however, that the additional reimbursement shall not cause the total aggregate reimbursement for all LOAs to exceed \$250,000 per fiscal year.

10. All routine or emergency roadway maintenance projects shall be performed in accordance with "Uniform Standard Specifications for Public Works Construction," current edition/revisions as of the date of each LOA and the "Uniform Standard Details for Public Works Construction," current edition/revisions as of the date of each LOA which are sponsored and distributed by the Maricopa Association of Governments ("**MAG**") and any amendments or supplements adopted by the County and City, as applicable.
11. All routine or emergency roadway maintenance projects shall be performed with existing resources. Nothing in this Agreement shall be construed as committing the Parties to incur capital expenditures for equipment, facilities, or otherwise, or to incur expenses not expressly set forth in this Agreement or an LOA.
12. Nothing in any LOA shall be interpreted to enlarge or expand the County's or the City's authority.

TERMS OF THE AGREEMENT

13. Responsibilities of the County:

- 13.1 The County Transportation Director or designee may select routine or emergency roadway maintenance projects suitable for an LOA and enter into LOAs with the City for the exchange of goods or services for roadway maintenance projects. If the value of County provided goods or services exchanged with the City is less than the value of goods and services provided by the City, the County shall remit to the City the difference in value, provided that the total aggregate reimbursement to the City for all LOAs will not exceed \$250,000 per fiscal year.
- 13.2 The County shall remit to the City any sums due to the City for its contribution of goods and services the value of which exceed the value of goods and services provided by the County, less any payments previously remitted, within thirty (30) days of receipt of an itemized statement from the City.
- 13.3 The County shall complete each routine or emergency roadway maintenance project, such as those generally outlined in Exhibit A, which is attached to this Agreement and incorporated into this Agreement by reference, in accordance with the County's procurement code and policies and the "Uniform Standard Specifications for Public Works Construction," current edition/revisions as of the date of each LOA and the "Uniform Standard Details for Public Works Construction," current edition/revisions as of the date of each LOA which are sponsored and distributed by MAG and any amendments or supplements adopted by the County.

- 13.4 Prior to the end of every fiscal year of the County during the Term, the County shall provide the City a statement of services performed by the County pursuant to an executed LOA ("County Statement"). The County Statement shall also include an itemization of any and all costs owed to the County by the City and an invoice for such costs. The County's fiscal year ends June 30th.
- 13.5 The County shall permit the City to inspect the routine or emergency roadway maintenance projects undertaken by the County on behalf of the City and pursuant to an LOA. If the City reasonably believes the project is not being conducted by the County in conformance with the LOA, or the City reasonably believes that that project has not been undertaken and conducted in a good and workmanlike manner, the County shall correct or re-perform it, as necessary, to the reasonable satisfaction of the City.

14. Responsibilities of the City:

- 14.1 The City Manager or designee may select routine or emergency roadway maintenance projects suitable for an LOA and to enter into LOAs with the County for the exchange of goods and services for roadway maintenance projects. If the value of City provided goods or services exchanged with the County is less than the value of goods and services provided by the County, the City shall remit to the County the difference in value, provided that the total aggregate reimbursement to the County for all LOAs will not exceed \$250,000 per fiscal year.
- 14.2 The City shall remit to the County any sums due to the County for its contribution of goods and services the value of which exceed the value of goods and services provided by the City, less any payments previously remitted, within thirty (30) days of receipt of an itemized statement from the County.
- 14.3 The City shall complete each routine or emergency roadway maintenance project, such as those generally outlined in Exhibit A, in accordance with the City's procurement code and policies and the Uniform Standard Specifications for Public Works Construction," current edition/revisions as of the date of each LOA and the "Uniform Standard Details for Public Works Construction," current edition/revisions as of the date of each LOA which are sponsored and distributed by MAG and any amendments or supplements adopted by the City.
- 14.4 Prior to the end of every fiscal year of the County during the Term, the City shall provide the County a statement of services performed by the City pursuant to an executed LOA ("City Statement"). The City Statement shall also include an itemization of any and all costs owed

to the City by the County and an invoice for such costs. The County's fiscal year ends June 30th.

- 14.5 The City shall permit the County to inspect the routine or emergency roadway maintenance projects undertaken by the City on behalf of the County and pursuant to an LOA. If the County reasonably believes the project is not being conducted by the City in conformance with the LOA, or the County reasonably believes that that project has not been undertaken and conducted in a good and workmanlike manner, the City shall correct or re-perform it, as necessary, to the reasonable satisfaction of the County.
15. Each Party will maintain a record of the goods and services exchanged over the life of the Agreement. For the purposes of calculating the \$250,000 fiscal year limit, the total aggregate reimbursement made by one Party to the other Party will not be offset by the value of the goods or services received.

MANNER OF FINANCING

16. The County and the City shall budget, finance and bear the expense of each LOA separately. The County Transportation Director and the City designee shall ensure that sufficient financing is available prior to entering into an LOA.

GENERAL TERMS AND CONDITIONS

17. By entering into this Agreement, the Parties agree that to the extent permitted by law, each Party will defend, indemnify and save the other Parties harmless, including any of the Parties' departments, agencies, officers, employees, elected officials or agents, from and against all loss, expense, damage or claim of any nature whatsoever which is caused by any activity, condition or event arising out of the negligent performance or nonperformance by the indemnifying Party of any of the provisions of this Agreement. By entering into this Agreement, each Party indemnifies the other against all liability, losses and damages of any nature for or on account of any injuries or death of persons or damages to or destruction of property arising out of or in any way connected with the performance or nonperformance of this Agreement, except such injury or damage as shall have been caused or contributed to by the negligence of that other Party. The damages which are the subject of this indemnity shall include but not be limited to the damages incurred by any Party, its departments, agencies, officers, employees, elected officials or agents. In the event of an action, the damages which are the subject of this indemnity shall include costs, expenses of litigation and reasonable attorney's fees.

18. This Agreement shall be subject to the provisions of A.R.S. § 38-511.
19. The Parties warrant that they are in compliance with A.R.S. § 41-4401 and further acknowledge that:
 - 19.1 Any contractor or subcontractor who is contracted by a Party to perform work on the Project shall warrant their compliance with all federal immigration laws and regulations that relate to their employees and their compliance with A.R.S. § 23-214(A), and shall keep a record of the verification for the duration of the employee's employment or at least three years, whichever is longer.
 - 19.2 Any breach of the warranty, shall be deemed a material breach of the contract that is subject to penalties up to and including termination of the contract.
 - 19.3 The Parties retain the legal right to inspect the papers of any contractor or subcontractor employee who works on the Project to ensure that the contractor or subcontractor is complying with the warranty above and that the contractor agrees to make all papers and employment records of said employee available during normal working hours in order to facilitate such an inspection.
 - 19.4 Nothing in this Agreement shall make any contractor or subcontractor an agent or employee of the Parties to this Agreement.
20. Each Party to this Agreement warrants that it is not suspended or disbarred by any federal agency which has provided funding that will be used in a project described in this Agreement and each Party warrants that, as to any contractor or vendor under contract with such Party, it will use reasonable efforts to ensure that such contractor or vendor under contract with such Party to provide goods or services towards the accomplishment of the objectives of this Agreement is not suspended or debarred by any federal agency which has provided funding that will be used in a project described in this Agreement.
21. Each of the following shall constitute a material breach of this Agreement and an event of default ("Default") hereunder: A Party's failure to observe or perform any of the material covenants, conditions or provisions of this Agreement to be observed or performed by that Party ("Defaulting Party"), where such failure shall continue for a period of thirty (30) days after the Defaulting Party receives written notice of such failure from the non-defaulting party provided, however, that such failure shall not be a Default if the Defaulting Party has commenced to

cure the Default within such thirty (30) day period and thereafter is diligently pursuing such cure to completion, but the total aggregate cure period shall not exceed ninety (90) days unless the Parties agree in writing that additional time is reasonably necessary under such circumstances to cure such default. In the event a Defaulting Party fails to perform any of its material obligations under this Agreement and is in Default pursuant to this Section, the non-defaulting party, at its option, may terminate this Agreement. Further, upon the occurrence of any Default and at any time thereafter, the non-defaulting party may, but shall not be required to, exercise any remedies now or hereafter available to it at law or in equity.

22. All notices required under this agreement to be given in writing shall be sent to:

Maricopa County Department of Transportation
Attn: Intergovernmental Relations Branch Manager
2901 West Durango Street
Phoenix, Arizona 85009

City of Surprise
Attn: City Manager
16000 North Civic Center Plaza
Surprise, Arizona 85374

All notices required or permitted by this Agreement or applicable law shall be in writing and may be delivered in person (by hand or courier) or may be sent by regular, certified or registered mail or U.S. Postal Service Express Mail, with postage prepaid, and shall be deemed sufficiently given if served in a manner specified in this paragraph. Either Party may by written notice to the other specify a different address for notice. Any notice sent by registered or certified mail, return receipt requested, shall be deemed given on the date of delivery shown on the receipt card, or if no delivery date is shown, the postmark thereon. If sent by regular mail, the notice shall be deemed given seventy-two (72) hours after the notice is addressed as required in this paragraph and mailed with postage prepaid. Notices delivered by United States Express Mail or overnight courier that guarantee next day delivery shall be deemed given twenty-four (24) hours after delivery of the notice to the Postal Service or courier.

23. This Agreement does not imply authority to perform any tasks, or accept any responsibility, not expressly stated in this Agreement.
24. This Agreement does not create a duty or responsibility unless the intention to do so is clearly and unambiguously stated in this Agreement.

25. This Agreement does not grant authority to control the subject roadway, except to the extent necessary to perform the tasks expressly undertaken pursuant to this Agreement.
26. Any funding provided for in this Agreement, other than in the current fiscal year, is contingent upon being budgeted and appropriated by the Maricopa County Board of Supervisors and the City Council in such fiscal year. This Agreement may be terminated by any Party at the end of any fiscal year due to non-appropriation of funds.
27. This Agreement shall be binding upon and inure to the benefit of the Parties and their respective successors and assignees. Neither Party shall assign its interest in this Agreement without the prior written consent of the other Party.
28. This Agreement and all Exhibits attached to this Agreement set forth all of the covenants, promises, agreements, conditions and understandings between the Parties to this Agreement, and there are no covenants, promises, agreements, conditions or understandings, either oral or written, between the Parties other than as set forth in this Agreement, and those agreements which are executed contemporaneously with this Agreement. This Agreement shall be construed as a whole and in accordance with its fair meaning and without regard to any presumption or other rule requiring construction against the party drafting this Agreement. This Agreement cannot be modified or changed except by a written instrument executed by all of the Parties hereto. Each Party has reviewed this Agreement and has had the opportunity to have it reviewed by legal counsel.
29. The waiver by any Party of any right granted to it under this Agreement is not a waiver of any other right granted under this Agreement, nor may any waiver be deemed to be a waiver of a subsequent right obtained by reason of the continuation of any matter previously waived.
30. Wherever possible, each provision of this Agreement shall be interpreted in such a manner as to be valid under applicable law, but if any provision shall be invalid or prohibited under the law, such provision shall be ineffective to the extent of such prohibition or invalidation but shall not invalidate the remainder of such provision or the remaining provisions.
31. Except as otherwise provided in this Agreement, all covenants, agreements, representations and warranties set forth in this Agreement or in any certificate or instrument executed or delivered pursuant to this Agreement shall survive the expiration or earlier termination of this Agreement for a period of one (1) year.

32. Nothing contained in this Agreement shall create any partnership, joint venture or other agreement between the Parties hereto. Except as expressly provided in this Agreement, no term or provision of this Agreement is intended or shall be for the benefit of any person or entity not a party to this Agreement, and no such other person or entity shall have any right or cause of action under this Agreement.
33. Time is of the essence concerning this Agreement. Unless otherwise specified in this Agreement, the term "day" as used in this Agreement means calendar day. If the date for performance of any obligation under this Agreement or the last day of any time period provided in this Agreement falls on a Saturday, Sunday or legal holiday, then the date for performance or time period shall expire at the close of business on the first day thereafter which is not a Saturday, Sunday or legal holiday.
34. Sections and other headings contained in this Agreement are for reference purposes only and shall not affect in any way the meaning or interpretation of this Agreement.
35. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute the same instrument. Faxed, copied and scanned signatures are acceptable as original signatures.
36. The Parties agree to execute and/or deliver to each other such other instruments and documents as may be reasonably necessary to fulfill the covenants and obligations to be performed by such party pursuant to this Agreement.
37. Unless otherwise lawfully terminated or extended by the Parties, this Agreement expires upon expiration of the Term.
38. An employee of either Party shall be deemed to be an "employee" of both public agencies while performing pursuant to this Agreement solely for purposes of A.R.S. § 23-1022 and the Arizona Workers' Compensation laws. The primary employer shall be solely liable for any workers' compensation benefits, which may accrue. Each Party shall post a notice pursuant to the provisions of A.R.S. § 23-1022 in substantially the following form:

"All employees are hereby further notified that they may be required to work under the jurisdiction or control or within the jurisdictional boundaries of another public agency pursuant to an intergovernmental agreement or contract, and under

such circumstances they are deemed by the laws of Arizona to be employees of both public agencies for the purposes of worker's compensation."

39. The Parties do not anticipate having to dispose of any property upon partial or complete termination of this Agreement. However, to the extent that such disposition is necessary, property shall be returned to its original owner.
40. The Parties hereby agree that the venue for any claim arising out of or in any way related to this Agreement shall be Maricopa County, Arizona.
41. This Agreement shall be governed by the laws of the State of Arizona.

End of Agreement - Signature Page Follows

IN WITNESS WHEREOF, the Parties have executed this Agreement.

MARICOPA COUNTY

CITY OF SURPRISE

Recommended by:

Recommended by:

Jennifer Toth, P.E. Date
Transportation Director

Bob Wingenroth Date
City Manager

Approved and Accepted by:

Approved and Accepted by:

_____, Chairman Date
Board of Supervisors

Sharon Wolcott Date
Mayor

Attest by:

Attest by:

Clerk of the Board Date

City Clerk Date

APPROVAL OF DEPUTY COUNTY ATTORNEY AND CITY ATTORNEY

I hereby state that I have reviewed the proposed Intergovernmental Agreement and declare the Agreement to be in proper form and within the powers and authority granted to the Parties by their respective governing bodies under the laws of the State of Arizona.

Deputy County Attorney Date

City Attorney Date

EXHIBIT A

Road-related Tasks:

- a. Grading
- b. Sweeping
- c. Surface Treatment/Seal Coats
- d. Signage
- e. Striping
- f. Debris Removal
- g. Material Hauling
- h. Fence Repair
- i. Storm Drain/Culvert Repair
- j. Barricading
- k. Pothole Repair
- l. Signal Maintenance
- m. Equipment Exchange
- n. Concrete Repair
- o. Bridge Repairs
- p. Storm Repairs



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

[Back](#) [Print](#)

Council Meeting Date:	April 5, 2016	Contact Person:	Karl Zook, Public Works Department
Submitting Department:	Public Works	District:	1
Staff Recommendations:	None		

Consent	x	Regular	Public Hearing	Report/Discussion
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Agenda Wording:

Consideration and action declaring the City's intention to create a lighting improvement district pursuant to A.R.S. 48-616 for the purpose of purchasing facilities and energy for lighting the public streets and parks for the Austin Ranch West Parcel 4 #139 Street Lighting Improvement District; Resolution No. 2016-36.

Motion:

I move to approve Resolution No. 2016-36.

Background:

The City has verified that the Petition for the proposed street light improvement district contains the signatures of all of the real property owners in the district, exclusive of mortgages and other lien holders.

The City and Arizona Public Service Company (“APS”) have approved the street layout and facilities design. The electric rates are established by APS tariff.

The lighting improvements are more than local or ordinary public benefit and the expenses of the district will be paid for by the levy and collection of equal apportionment taxes based on the number and classification of properties within the district.

Objective Analysis:

A SLID is a neighborhood partnership and very common practice in which property owners in a defined area agree to pay the costs to operate and maintain their immediate area's street lights through a property tax. All new developments in the City of Surprise require a SLID. This action will form the SLID boundary for the Austin Ranch Parcel 4 development.

Policy Compliant:

Surprise Municipal Code requires that street lighting that serves a defined area be paid for through revenues obtained from the specific area being served by such street lighting. In these instances, a Street

Light Improvement District (SLID) is formed. The city strives to assure that residents are subject to only one SLID and that the boundaries of each SLID accurately reflect the service area. This item is consistent with these objectives.

Financial Impact:

Any financial impact on the City is anticipated to be minimal, as the Developer and District will be bearing the costs and expenses of the District and street light improvement facilities.

Budget Impact:

Funding was not included as part of the FY2016 adopted budget. A separate fund will be created to track revenue and expenses once the city starts receiving electric bills from APS for this particular SLID. If the SLID incurs expenses during FY2016, staff will return to request a budget amendment to appropriate the new fund. Regardless, the city will be unable to collect property taxes for this SLID until FY2017, at the earliest.

FTE Impact:

This action does not change the full time equivalent count

ATTACHMENTS:

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- ☐ [Resolution 2016-36](#)
 - ☐ [SLID Petition](#)
 - ☐ [MAP](#)
-

RESOLUTION # 2016-36

A RESOLUTION OF THE MAYOR AND COUNCIL OF THE CITY OF SURPRISE, ARIZONA, DECLARING ITS INTENTION TO ESTABLISH A STREET LIGHT IMPROVEMENT DISTRICT TO PURCHASE ENERGY FOR LIGHTING THE PUBLIC STREETS AND PARKS IN THE AREA WITHIN THE CORPORATE LIMITS OF THE CITY OF SURPRISE, ARIZONA DESCRIBED ON EXHIBIT A, ATTACHED HERETO; DECLARING SUCH IMPROVEMENTS TO BE OF MORE THAN LOCAL OR ORDINARY PUBLIC BENEFIT AND THAT THE EXPENSES THEREOF BE PAID FOR BY THE LEVY AND COLLECTION OF EQUAL APPORTIONMENT OF TAXES BASED ON THE NUMBER AND CLASSIFICATION OF PROPERTIES WITHIN THE DISTRICT TO BE KNOWN AS "CITY OF SURPRISE, ARIZONA, AUSTIN RANCH WEST PARCEL 4 #139 LIGHTING IMPROVEMENT DISTRICT"; AND ORDERING THAT SUCH IMPROVEMENTS BE PROVIDED FOR UNDER THE PROVISIONS OF SECTION 48-572, ARIZONA REVISED STATUTES.

WHEREAS, the owners, exclusive of mortgagees and other lienholders, of all of the real property (hereinafter referred to as "Petitioner") in the hereinafter described District, acting pursuant to the provisions of Sections 48-615(A) and 48-617(A), Arizona Revised Statutes, have petitioned the Mayor and Council of the City of Surprise, Arizona (hereinafter referred to as "City"), to adopt a resolution of intention (hereinafter referred to as "Resolution") ordering the purchase of energy for the lighting of the public streets and parks (hereinafter referred to as "Improvements") for the real property legally described in Exhibit A (such area hereinafter referred to as the "District") with such boundaries as shown in the map in Exhibit B attached hereto pursuant to the provisions of Section 48-576, Arizona Revised Statutes, giving the City immediate jurisdiction to order the Improvements pursuant to the provisions of Section 48-581, Arizona Revised Statutes, without the necessity of the publications or posting of this Resolution provided for in Sections 48-578, Arizona Revised Statutes;

WHEREAS, the City has verified that Petitioner is the owner, exclusive of mortgagees and other lienholders, of all of the real property included within the boundaries of the District, and;

WHEREAS, the Mayor and Council of the City hereby find and determine that they have jurisdiction to adopt this Resolution to order the Improvements pursuant to the provisions of Section 48-576, Arizona Revised Statutes, and have immediate jurisdiction to adopt this Resolution ordering the Improvements pursuant to the provisions of Section 48-581, Arizona Revised Statutes without the necessity of publications and posting of this Resolution as provided for in Section 48-578, Arizona Revised Statutes;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Surprise, Arizona, as follows.

Section 1. The City, after verifying ownership of the real property included within the boundaries of the District, hereby finds the Petitioner is the owner, exclusive of

mortgagees and other lienholders, of all of the real property included within the boundaries of the District.

Section 2. The name of the District shall be "CITY OF SURPRISE, ARIZONA, AUSTIN RANCH WEST PARCEL 4 #139 LIGHTING IMPROVEMENT DISTRICT."

Section 3. The District is formed, and shall exist, pursuant to the provisions of Title 48, Chapter 4, Article 2, Arizona Revised Statutes, and Section 48-616, Arizona Revised Statutes.

Section 4. The public interest or convenience requires, and it is the intention of the Mayor and Council of the City to order the Improvements as so described above.

Section 5. The Improvements, in the opinion of the Mayor and Council of the City, are of more than local or ordinary public benefit and are of special benefit to the respective lots, pieces and parcels of real property in the District, and the Mayor and Council of the City hereby make and order the expense of the Improvements payable from the levying and collection of an equal apportionment of taxes based on the number and classification of properties within the District to be known and designated as "City of Surprise, Arizona Austin Ranch West Parcel 4 #139 Lighting Improvement District" and hereby declare that the District is as legally described on Exhibit A attached hereto with the boundaries as shown in the map in Exhibit B attached hereto. Any public street or alley within the District shall be omitted from the assessment. Any lot belonging to the United States, the State, a county, city, school district or political subdivision or institution of the state or county within the District shall be omitted from the assessment.

Section 6. The Superintendent of Streets or equivalent of the City shall not be required to post or cause to be posted notices of the Resolution of Intention. The Clerk of the City shall certify to the passage of this Resolution of Intention but shall not be required to cause the same to be published in a newspaper published and of general circulation in the City.

Section 7. The Mayor and Council of the City shall make annual statements and estimates of the expenses of the district, which shall be provided for by the levy and collection of equal apportionment of taxes based on the number and classification of properties within the District; shall publish notice thereof; shall have hearings thereon; and shall adopt them at the times and in the manner provided for incorporated cities and towns by the applicable portions of Section 42-17101, et seq., 42-17152, Arizona Revised Statutes. The Mayor and Council of the City shall, on or before the third Monday in August of each year, fix, levy and assess the amount to be raised by an equal apportionment of taxes based on the number and classification of the properties within the District and collect, as Maricopa County, Arizona (the "County") taxes are collected, the amounts shown by the statements and estimates as adopted by the Mayor and Council of the City. All statutes providing for the levy and collection of State of Arizona and County taxes, shall be applicable to District taxes as provided to be levied under Section 48-616, Arizona Revised Statutes.

Section 8. The District shall not be authorized to issue bonds and no assessment for District purposes against the property within the District shall exceed

One Dollar and Twenty Cents (\$1.20) per each hundred dollars of taxable valuation thereof in any year.

Section 9. The District shall not engage in any activity other than as provided in Section 48-616, Arizona Revised Statutes, i.e., contracting for and purchasing of energy for street and public park lighting.

Section 10. The formation of the District shall not be considered as preventing the subsequent establishment of improvement districts for any other purpose authorized by law, including improvement districts for the purpose of construction street lighting facilities within any part or all of the same territory as the District.

Section 11. The type of lighting facilities to be installed in the District and the locations thereof shall consist of those lighting facilities and locations described in the petition submitted by Petitioner, or as may be approved by the City.

Section 12. The rate to be paid for purchasing the energy for the District shall be the rate described in the petition submitted by Petitioner, or as may be approved by the Arizona Public Service Company.

Section 13. Any resolutions or parts of resolutions in conflict with the provisions of this Resolution are hereby repealed.

APPROVED AND ADOPTED this ___day of _____, 2016.

Sharon R. Wolcott, Mayor

Attest:

Approved as to form:

Sherry Aguilar, City Clerk

Robert Wingo, City Attorney

EXHIBIT "A"

STREET LIGHT IMPROVEMENT DISTRICT (SLID)

LEGAL DESCRIPTION OF AUSTIN RANCH - PARCEL 4

BEING A PART OF THE SOUTH HALF OF SECTION 15, TOWNSHIP 4 NORTH, RANGE 2 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTH QUARTER CORNER OF SAID SECTION 15; THENCE S 89°56'08" W, COINCIDENT WITH THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 15, A DISTANCE OF 1383.64 FEET;
THENCE N 00°03'52" W, A DISTANCE OF 40.00 FEET;
THENCE N 44°36'15" E, A DISTANCE OF 28.45 FEET;
THENCE N 00°03'52" W, A DISTANCE OF 98.40 FEET;
THENCE N 06°55'28" E, A DISTANCE OF 82.18 FEET;
THENCE N 00°03'52" W, A DISTANCE OF 422.80 FEET;
THENCE N 89°56'08" E, A DISTANCE OF 30.00 FEET;
THENCE N 00°03'52" W, A DISTANCE OF 513.71 FEET TO A POINT OF CURVATURE;
THENCE WITH THE ARC OF A CURVE TO THE LEFT, HAVING A RADIUS OF 150.00 FEET, THROUGH A CENTRAL ANGLE OF 11°12'22", AN ARC DISTANCE OF 29.34 FEET;
THENCE N 78°43'45" E, A DISTANCE OF 30.00 FEET;
THENCE S 49°28'25" E, A DISTANCE OF 11.32 FEET;
THENCE N 00°03'52" W, A DISTANCE OF 107.42 FEET;
THENCE N 89°55'14" E, A DISTANCE OF 1325.81 FEET;
THENCE S 00°10'51" E, A DISTANCE OF 751.75 FEET;
THENCE S 44°35'50" E, A DISTANCE OF 28.24 FEET;
THENCE S 00°10'51" E, A DISTANCE OF 55.01 FEET;
THENCE S 45°24'10" W, A DISTANCE OF 27.67 FEET;
THENCE S 00°10'51" E, A DISTANCE OF 405.84 FEET;
THENCE S 45°06'21" E, A DISTANCE OF 28.32 FEET;
THENCE S 00°10'51" E, A DISTANCE OF 40.00 FEET TO A POINT ON THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 15;
THENCE S 89°57'47" W, COINCIDENT WITH THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 15, A DISTANCE OF 60.00 FEET TO THE TRUE POINT OF BEGINNING.

EXCEPT ANY PART LYING WITHIN THE FOLLOWING DESCRIBED
PROPERTY:

BEING A PART OF THE SOUTHWEST QUARTER OF SAID SECTION 15,
MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCING AT THE SOUTH QUARTER CORNER OF SAID SECTION 15;
THENCE N 00°10'51" W, COINCIDENT WITH THE EAST LINE OF SAID
SOUTHWEST QUARTER, A DISTANCE OF 656.16 FEET TO THE TRUE
POINT OF BEGINNING OF THE PARCEL HEREIN DESCRIBED;
THENCE S 89°55'41" W, A DISTANCE OF 660.83 FEET;
THENCE N 00°10'20" W, A DISTANCE OF 327.92 FEET;
THENCE N 89°55'27" E, A DISTANCE OF 660.78 FEET TO A POINT ON
THE EAST LINE OF SAID SOUTHWEST QUARTER;
THENCE S 00°10'51" E, COINCIDENT WITH SAID EAST LINE, A DISTANCE
OF 327.97 FEET TO THE TRUE POINT OF BEGINNING.

CONTAINING IN AREA 1,592,309 SQUARE FEET OR 36.55 ACRES
MORE OR LESS.

DESCRIPTION PREPARED BY
MICHAEL J. THOLL, RLS # 22283
SAGE LAND SURVEYING
5014 E. ONEIDA STREET
PHOENIX, ARIZONA 85044
(480) 270-1538



December 9, 2014

Attached is EXHIBIT "B" and by this reference is made a part hereof.

STREET LIGHT IMPROVEMENT DISTRICT PETITION

TO THE MAYOR AND COUNCIL OF THE CITY OF SURPRISE.

We, the undersigned, are all or a majority of the real property owners, exclusive of mortgagees and other lienholders, within the district named below. We petition the City Council of the City of Surprise, Arizona, to establish a street light improvement district under Arizona Revised Statutes (A.R.S.) §48-571 to 48-622, and any amendments, and specifically A.R.S. §48-615 to 48-617, to purchase electricity for lighting the public streets and/or parks within the district whose boundaries and area is described in Exhibits A and B attached hereto. This petition includes a charge for maintaining the lighting facilities.

It is hereby requested that, in compliance with the Arizona Revised Statutes, the City Council adopt a Resolution of Intention to order the proposed improvements, and that unless protests are received pursuant to A.R.S. §48-579 sufficient to bar further proceedings, the City Council proceed with the improvements petitioned for herein.

Expenses of the District shall be paid by the levy and collection of an equal apportionment of taxes based on the number and classification of properties within the District.

Public convenience, necessity and welfare will be promoted by the establishment of the District and the real property within the District will be benefited by the District. Additional street lighting facilities may be installed and included in the District, at no investment cost to the District, as directed by the City and as approved by Arizona Public Service and the City Engineer.

WHEREFORE, we respectfully ask that this Petition be properly filed and that the Mayor and Council of the City adopt the Resolution and take such other action as is proper, necessary and appropriate to form the District and to fulfill the purposes for which the District is organized, as the Mayor and Council believe is proper and necessary.

The name of the proposed street light improvements district shall be:

AUSTIN RANCH WEST PARCEL 4 #139

PETITIONERS: Please print and sign your name

PETITIONERS NAME	ADDRESS OR PARCEL NUMBER OF PROPERTY OWNED WITHIN DISTRICT	SIGNATURE
AUSTIN RANCH, LLC	PARCEL 4	
AUSTIN RANCH, LLC	503-74-004C	<i>Olga Pambul</i> <i>Olga Pambul</i>
AUSTIN RANCH, LLC	503-74-004B	



**RATE SCHEDULE E-58
CLASSIFIED SERVICE
STREET LIGHTING SERVICE**

AVAILABILITY

This rate schedule is available in those portions of cities, towns and unincorporated communities in which Company does a general retail electric business and where Company has installed a multiple or series street lighting system of adequate capacity for the service to be rendered.

APPLICATION

This rate schedule is applicable to service for lighting public streets, alleys, thoroughfares, public parks and playgrounds from dusk to dawn by use of Company's facilities where such service for the entire area is contracted for from the Company by the city, town, other governmental agencies, or a responsible individual for unincorporated communities. Dusk is defined as the time between sunset and full night when a photocontrol senses the lack of sufficient sunlight and turns on the lights. Dawn is defined as the time between full night and sunrise when a photocontrol senses sufficient sunlight to turn off lights.

RATES

The bill shall be computed at the following rates for each type of standard facility and/or service utilized to provide street lighting, plus any adjustments incorporated in this schedule:

I. FIXTURES (Includes Mounting Arm, if Applicable)

	Lumen	Watts	kWh	RATES	
				Investment by Company	Investment by Others
A. Acorn	9,500 HPS	100	41	\$ 27.06	\$9.22
	16,000 HPS	150	69	30.04	11.65
	6000 IND	85	29	17.87	4.77
B. Architectural	9,500 HPS	100	41	15.38	7.34
	16,000 HPS	150	69	17.96	9.82
	30,000 HPS	250	99	21.31	12.60
	50,000 HPS	400	153	26.29	18.13
	14,000 MH	175	72	21.51	11.79
	21,000 MH	250	101	24.42	14.54
	36,000 MH	400	159	30.54	20.00
	8,000 LPS	55	30	22.35	9.82
	13,500 LPS	90	50	26.36	11.84
	22,500 LPS	135	72	30.11	14.45
	33,000 LPS	180	90	36.22	17.02
	6,200 IND	85	29	9.40	3.65
	8,400 IND	100	34	9.93	4.05
	10,200 IND	120	41	10.91	4.63
	13,000 IND	150	52	12.05	5.50
	20,500 IND	200	69	13.72	6.84
	22,500 IND	265	91	16.37	8.62
	5,800 LED	94	32	16.53	4.79
	7,400 LED	127	44	18.96	5.89
	12,300 LED	203	70	23.66	8.22



**RATE SCHEDULE E-58
CLASSIFIED SERVICE
STREET LIGHTING SERVICE**

I. FIXTURES (Includes Mounting Arm, if Applicable) (cont):

				RATES		
		Lumen	Watts	kWh	Investment by Company	Investment by Others
C. Cobra/Roadway	5,800 HPS		70	29	\$8.73	\$5.16
	9,500 HPS		100	41	10.28	6.32
	16,000 HPS		150	69	12.87	8.82
	30,000 HPS		250	99	15.52	11.46
	50,000 HPS		400	153	21.06	16.37
	14,000 MH		175	72	14.97	10.20
	21,000 MH		250	101	17.49	12.69
	36,000 MH		400	159	23.03	17.63
	8,000 FL		100	38	17.20	5.04
	6,200 IND		75	26	9.78	3.50
	6,400 IND		85	29	8.33	3.51
	8,000 IND		88	30	9.72	3.75
	8,400 IND		100	34	9.01	3.93
	10,200 IND		120	41	9.69	4.47
	13,000 IND		150	52	10.67	5.32
	15,250 IND		200	69	12.87	6.73
	22,500 IND		250	86	17.22	8.41
	6,000 LED		95	33	15.83	4.76
	8,700 LED		142	49	17.80	6.06
	9,600 LED		157	54	18.94	6.54
11,600 B-LED		181	62	17.67	6.90	
D. Decorative	9,500 HPS		100	41	37.09	11.11
	16,000 HPS		150	69	36.88	12.41
	30,000 HPS		250	99	42.46	16.02
E. Flood	30,000 HPS		250	99	20.61	12.81
	50,000 HPS		400	153	25.56	17.77
	21,000 MH		250	101	22.00	13.53
	36,000 MH		400	159	26.82	18.35
F. Post Top	Colonial Gray	8,000 FL	100	38	18.54	5.23
		9,500 HPS	100	41	10.60	6.65
	Colonial Black	9,500 HPS	100	41	12.21	6.88
	Decorative Transit	9,500 HPS	100	41	32.47	10.24
	Copper Square	6,000 IND	85	29	17.52	4.72
G. FROZEN						
		4,000 INC	295	103	\$9.78	\$5.47
		7,000 MV	175	73	12.67	7.27
		11,000 MV	250	96	15.87	9.68
		20,000 MV	400	150	24.92	14.12



**RATE SCHEDULE E-58
CLASSIFIED SERVICE
STREET LIGHTING SERVICE**

NOTES:

1. Investment by Company. These rates are applicable where the Company provides the initial investment to purchase and install all facilities necessary for street lighting service. The Company will own, operate, and maintain the street lighting system.
2. Investment by Others. These rates are applicable in those instances where the requesting entity or individual purchases and installs the street lighting facilities at their own expense and in accordance with Company specifications. These rates will also apply in the instance where the customer provides a non-refundable advance to the Company to cover the Company's cost of purchasing and installing the street lighting system. The Company retains ownership of the street lighting system and provides operation and maintenance for all facilities.
3. Listed kWhs reflect the assigned monthly energy usage for each type of fixture and are used to determine any applicable transmission, system benefit, distribution, energy, and adjustment charges.
4. HPS = High Pressure Sodium
5. MH = Metal Halide
6. LPS = Low Pressure Sodium
7. FL = Fluorescent
8. INC = Incandescent. Incandescent lighting charges are applicable and available only to those customers being served and those installations in service on November 1, 1986.
9. MV = Mercury Vapor. Mercury Vapor lighting charges are applicable and available only to those customers being served and those installation in service on November 1, 1986 in accordance with A.R.S. §49-1104(A).
10. LED = Light Emitting Diode
11. IND = Induction



RATE SCHEDULE E-58
CLASSIFIED SERVICE
STREET LIGHTING SERVICE

II. POLES

			RATES			
			Height	Investment by Company	Investment by Others	
A. Anchor Base Mounted (Flush)	Round Steel	1 Simplex Adapter	12 ft.	\$12.17	\$1.68	
			22 ft.	13.70	1.88	
			25 ft.	14.82	2.05	
			30 ft.	17.03	2.34	
			32 ft.	17.89	2.37	
		2 Simplex Adapters	12 ft.	12.98	1.79	
			22 ft.	14.91	2.06	
			25 ft.	15.55	2.14	
			30 ft.	18.07	2.49	
			32 ft.	19.28	2.66	
	Square Steel	5"	13 ft.	13.95	1.92	
			15 ft.	12.47	1.72	
			23 ft.	14.79	2.03	
			25 ft.	16.26	2.23	
			28 ft.	18.05	2.48	
			32 ft.	17.95	2.47	
	Concrete		12 ft.	41.58	5.73	
Fiberglass		12 ft.	35.21	4.85		
Decorative Transit Pedestrian	4"	16 ft.	34.33	4.73		
Decorative Transit	6"	30 ft.	66.28	9.13		
Hinged Poles	Square	15 ft.	13.20	1.08		
	Round	19 ft.	11.93	.97		
B. Anchor Base Mounted (Pedestal)	Round Steel	1 Simplex Adapter	12 ft.	11.71	1.61	
			22 ft.	13.24	1.82	
			25 ft.	14.35	1.98	
			30 ft.	16.58	2.29	
			32 ft.	17.41	2.40	
		2 Simplex Adapters	12 ft.	12.51	1.72	
			22 ft.	13.97	1.92	
			25 ft.	15.08	2.07	
			30 ft.	17.61	2.42	
			32 ft.	18.81	2.59	
		3 Bolt Arm	32 ft.	21.62	2.97	
		Square Steel	5"	13 ft.	13.50	1.86
				15 ft.	13.80	1.89
	23 ft.			14.32	1.98	
	25 ft.			15.80	2.19	
	28 ft.			17.56	2.42	
	32 ft.			18.23	2.50	



**RATE SCHEDULE E-58
CLASSIFIED SERVICE
STREET LIGHTING SERVICE**

II POLES (cont)

		RATES		
		Height	Investment by Company	Investment by Others
C. Direct Bury	Round Steel	19 ft.	\$18.42	\$2.54
		30 ft.	14.38	2.66
		38 ft.	17.55	2.73
		Self Support	40 ft.	21.62
		Stepped	25 ft.	49.72
			32 ft.	52.36
			49 ft.	64.99
	Square Steel	4"	34 ft.	15.87
		5"	20 ft.	15.07
			30 ft.	15.71
			38 ft.	17.05
		8"	28 ft.	28.45
			32 ft.	29.74
	Decorative Transit	41 ft 6 in	20.47	3.01
	Decorative Transit	47 ft.	25.50	3.75
	Steel Distribution Pole (for lighting only)	35 ft.	23.54	3.10
D. Post Top	Decorative Transit Anchor Base	16 ft.	35.07	4.82
	Gray Steel/Fiberglass	23 ft.	12.16	2.00
	Black Steel	23 ft.	13.41	2.21
E. Existing distribution pole suitable for streetlight use			1.48	--
F. FROZEN	Wood Poles	30 ft.	\$8.95	\$1.55
		35 ft.	8.95	1.48

NOTE: The monthly rate for all new poles includes up to 300 feet of overhead secondary wire, or up to 300 feet of underground secondary wire if the customer provides earthwork and conduit (excluding the underground to overhead transition).

III. ANCHOR BASE

		RATES		
		Height	Investment by Company	Investment by Others
A. Flush		4 ft.	\$9.91	\$1.36
		6 ft.	11.82	2.05
B. Pedestal		8 ft.	13.54	2.36
	For 32' Round Steel Pole only	4 ft. 6"	9.39	1.63



**RATE SCHEDULE E-58
CLASSIFIED SERVICE
STREET LIGHTING SERVICE**

IV. CHARGES FOR OPTIONAL OR ADDITIONAL EQUIPMENT

		RATES
		Company Owned
Underground Circuit Charges:		
a.	Per foot of cable, installed under paving	\$0.15716
b.	Per foot of cable, not installed under paving	0.05589

V. DETERMINATION OF RATES FOR NEW EQUIPMENT

Monthly rates for new lighting fixtures, poles and other equipment not included in Sections I, II, or III above shall be determined by the Company using the following method:

Step 1 Determination of Charges for each Charge Type							Monthly Fixed Charge Rate
Charge Type	Monthly Charge	=	Cost Inputs	x	PV Factor	x	
1	Carrying Cost (fixtures)	=	Equipment Cost (installed)	x	NA	x	1.533%
2	Carrying Cost (poles)	=	Equipment Cost (installed)	x	NA	x	1.449%
3	Fixture Replacement Cost	=	Equipment Cost (installed)	x	0.132	x	1.533%
4	Pole, Anchor Replacement Cost	=	Equipment Cost (installed)	x	0.082	x	1.449%
5	Lighting O&M	=	O&M Cost (lifecycle)	x	0.381	x	1.533%
Charge Type	Monthly Charge	=	kWh Input	x	\$/kWh		
6	Generation	=	kWh per month	x	0.04023		
7	T&D, RCS, SB	=	kWh per month	x	0.03516		

Step 2 Determination of Total Monthly Charge	
The total monthly charge shall be the summation of the charges for each applicable charge type	
<u>Equipment</u>	<u>Charge Type</u>
Fixture - IBC	1,5,6,7
Fixture - IBO	3,5,6,7
Pole, Anchor Base - IBC	2
Pole, Anchor Base - IBO	4



**RATE SCHEDULE E-58
CLASSIFIED SERVICE
STREET LIGHTING SERVICE**

TRIP CHARGE

When Company is not the responsible party contracted for the regular maintenance of a street lighting system owned by a city, town or other governmental entity, a \$100.00 trip charge per light will be charged when Customer requests a disconnect and/or reconnect of service in order to accommodate the maintenance activities of the Customer or its designee(s) on their street light equipment. The trip charge will also apply when Customer request disconnect or reconnect for non-maintenance purposes.

ADJUSTMENTS

1. The bill is subject to the Renewable Energy Standard as set forth in the Company's Adjustment Schedule REAC-1 pursuant to Arizona Corporation Commission Decision No. 70313.
2. The bill is subject to the Power Supply Adjustment factor as set forth in the Company's Adjustment Schedule PSA-1 pursuant to Arizona Corporation Commission Decision No. 67744 Arizona Corporation Commission Decision No. 69663, and Arizona Corporation Commission No. 71448, and 73183.
3. The bill is subject to the Transmission Cost Adjustment factor as set forth in the Company's Adjustment Schedule TCA-1 pursuant to Arizona Corporation Commission Decision No. 67744.
4. The bill is subject to the Environmental Improvement Surcharge as set forth in the Company's Adjustment Schedule EIS pursuant to Arizona Corporation Commission Decision No. 69663 and Arizona Corporation Commission Decision No. 73183.
5. Direct Access customers returning to Standard Offer service may be subject to a Returning Customer Direct Access Charge as set forth in the Company's Adjustment Schedule RCDAC-1 pursuant to Arizona Corporation Commission Decision No. 67744.
6. The bill is subject to the Demand Side Management Adjustment Charge as set forth in the Company's Adjustment Schedule DSMAC-1 pursuant to Arizona Corporation Commission Decision No. 71448.
7. The bill is subject to the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of APS and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

SPECIAL PROVISIONS

1. Street lighting facilities installed under this rate schedule are of the type currently being furnished by Company as standard at the time service is initially requested. Standard facilities are those listed in the Company's Transmission and Distribution Construction Standards book.
2. The Company cannot guarantee that streetlighting facilities will always operate as intended. Therefore, the customer will be responsible for notifying the Company when the streetlighting facilities are not operating as intended. The Company will use reasonable efforts to complete normal maintenance (replacement of lamps, photocontrols or fixtures) within ten (10) working days from notification by customer; however, if the maintenance requires cable replacement or repairs, the Company shall use reasonable efforts to complete said repairs within twenty (20) working days.
3. The customer's bill will not be reduced due to lamp, photocontrol or cable repair or replacement outages.



**RATE SCHEDULE E-58
CLASSIFIED SERVICE
STREET LIGHTING SERVICE**

SPECIAL PROVISIONS (cont')

4. Lighting equipment which is not specified in this rate schedule will be billed at the rates corresponding to the most similar equipment, as determined by the Company.

NON-STANDARD FACILITIES

Non-standard facilities (non-standard being defined as any facility not listed in the Company's Transmission and Distribution Construction Standards book) do not qualify for this rate schedule. At the Company's discretion, such facilities may be served under another of the Company's rate schedules.

EXTENSION OF STREET LIGHTING SYSTEM

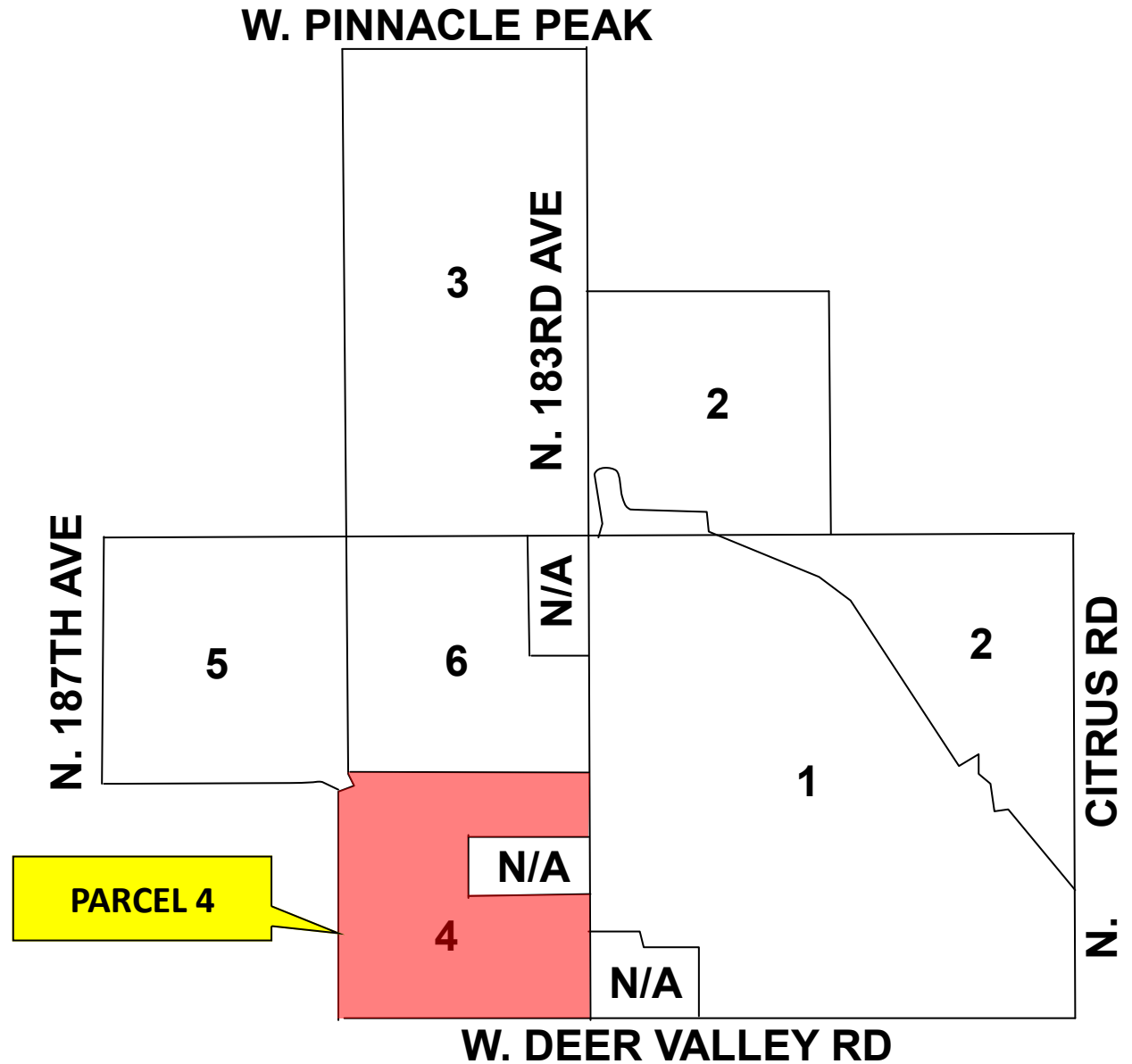
The Company will extend its standard street lighting system up to a distance of 300 feet for each additional lighting installation without cost at the request of the customer. When the extension is underground the customer will provide earthwork as specified in of the Company's Service Schedule 3, Conditions Governing Extensions of Electric Distribution Lines and Services; or, at the applicant's request, the Company will provide such earthwork and the applicant will be required to pay a non-refundable contribution in aid of construction equal to the cost of such earthwork. Any additional extension required (over and above the first 300 feet) will be provided by Company for a contribution in aid of construction equal to the cost of the additional extension.

Extensions to isolated areas requiring a substantial extension of the electric distribution system, as opposed to an extension of the street lighting system, will require a special study to determine the terms and conditions under which the Company will undertake such an extension.

TERMS AND CONDITIONS

Service under this rate schedule is subject to the Company's Schedule 1, Terms and Conditions for Standard Offer and Direct Access Services and the Company's Schedule 10, Terms and Conditions for Direct Access. These schedules have provisions that may affect the customer's bill. In addition, service may be subject to special terms and conditions as provided for in a customer contract or service agreement.

AUSTIN RANCH PARCEL 4





CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

[Back](#) [Print](#)

Council Meeting Date:	April 5, 2016	Contact Person:	Hobart Wingard - Community Development
Submitting Department:	CD	District:	1
Staff Recommendations:	None		

Consent	x	Regular	Public Hearing	Report/Discussion
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Agenda Wording:

Consideration and action pertaining to approval, subject to alternative approval directions, of the final plat entitled "Austin Ranch West Parcel 4", a 36.55 acre 138 lot, single-family subdivision generally located on the northern side of West Valley Road, 2.4 miles west of Grand Avenue; Resolution # 2016-40.

Motion:

I move to approve to approve Resolution #2016-40.

Background:

This is the first phase of a multi-phased project known as Austin Ranch Planned Area Development (PAD) approved by the Mayor and City Council on May 13, 2004.

Objective Analysis:

The applicant is requesting a final plat approval that will establish the property boundaries, necessary easements, and right-of-way dedications to accommodate 138 single-family residential units.

Policy Compliant:

The proposed action is consistent with City and Council Policies.

Financial Impact:

All activity related to ongoing development of the City of Surprise has an economic and fiscal impact on the city and the region.

Budget Impact:

There is no anticipated budget impact related to this item.

FTE Impact:

This item does not have an impact on current staff levels.

ATTACHMENTS:

Click to download

- ☐ [00 - FS14-259 - Austin Ranch West Parcel 4 - Final Plat - Staff Report](#)
 - ☐ [01 - FS14-259 - Austin Ranch West Parcel 4 - Final Plat - Vicinity Maps](#)
 - ☐ [02 - FS14-259 - Austin Ranch West Parcel 4 - Final Plat - Final Plat](#)
 - ☐ [03 - FS14-259 - Austin Ranch West Parcel 4 - Final Plat - Landscape Plans](#)
 - ☐ [05 - FS14-259 - Austin Ranch West Parcel 4 - Final Plat - Presentation](#)
 - ☐ [Resolution 2016-40 Austin Ranch P\\$ Final Plat](#)
 - ☐ [Alternative Assurance Agreement](#)
-

Case: FS14-259

Project Name: Austin Ranch, Parcel 4 Final Plat

Council District: 1

City Council Date: April 5, 2016

Planner: Hobart Wingard, Planner II, 623-222-3156
hobart.wingard@surpriseaz.gov

Owner/Applicant: Hans Koppenhoefer of Austin Ranch LLC

Request: Final Plat for a 138 lot, single-family subdivision located within the Austin Ranch Planned Area Development (PAD) zoning district

Site Location: Generally located on the northern side of West Deer Valley Road, 2.4 miles west of Grand Avenue and 1,400 feet east of the Waste Management Sanitary Landfill.

Site Size: 36.55 acres (approx.)

Density: 3.78 DU/Ac

History:

- The subject parcel was annexed into the City of Surprise on June 8, 1989.
- On May 13, 2004, the Mayor and City Council approved a Planned Area Development (PAD) for Austin Ranch.
- On October 7, 2005, a Development Agreement for Austin Ranch West was approved by the Mayor and City Council.
- On January 26, 2006, a Preliminary Plat for Austin Ranch West, Phase one (1) was approved by the Mayor and City Council.
- On February 23, 2005, a Map of Dedication for a Fire Station and Park site was approved by the Mayor and City Council.
- On June 14, 2007, A Final Plat was approved by The Mayor and City Council for Austin Ranch, Phase Four (4). This Final Plat has since expired.
- On July 3, 2014, the applicant submitted an application for a Final Plat for Austin Ranch Parcel Four (4).

43 **Project Summary:**

44
45 The applicant is requesting a final plat approval that will establish the property boundaries,
46 necessary easements, and right-of-way dedications to accommodate 138 single-family residential
47 units.

48 As stated in the findings below, the proposed Final Plat does not conform to the Austin Ranch PAD
49 primarily because the specificity provided by the PAD document regarding the construction of Deer
50 Valley Road adjacent to the project. Staff recognizes that a Development Agreement, approved
51 under Case DA05-011 and approved by the Mayor and City Council on October 7, 2005, provides
52 that the *"Owner shall construct on Deer Valley Road dedicated right and left-hand turning lanes at*
53 *the entrances to the Project, but shall not be required to construct any additional improvements to*
54 *Deer Valley Road. In lieu of such additional improvements to Deer Valley Road, Owner shall improve*
55 *Norwich Road from 183rd Avenue to Grand Avenue, 183rd Avenue from Deer Valley Road to Pinnacle*
56 *Peak Road, Citrus Road from Pinnacle Peak Road to Williams Road, and Williams Road from Citrus*
57 *Road to Deer Valley Road, to the ultimate cross-sections and all other streets, arterial or collector, to*
58 *half-street improvements."*

59
60 **Findings:**

- 61
- 62 • The proposed Final Plat is consistent with the current Surprise General Plan 2035.
 - 63 • The proposed Final Plat is not consistent with the Austin Ranch PAD approved under Case
 - 64 PAD03-278.
 - 65 • The Final Plat is consistent with the Preliminary Plat approved under Case FS05-034.

66
67 **Attachments:**

68
69 City Council Resolution # 16-xx
70 Vicinity Maps (3 sheets)
71 Final Plat (5 sheets)
72 Landscape Plans (7 sheets)

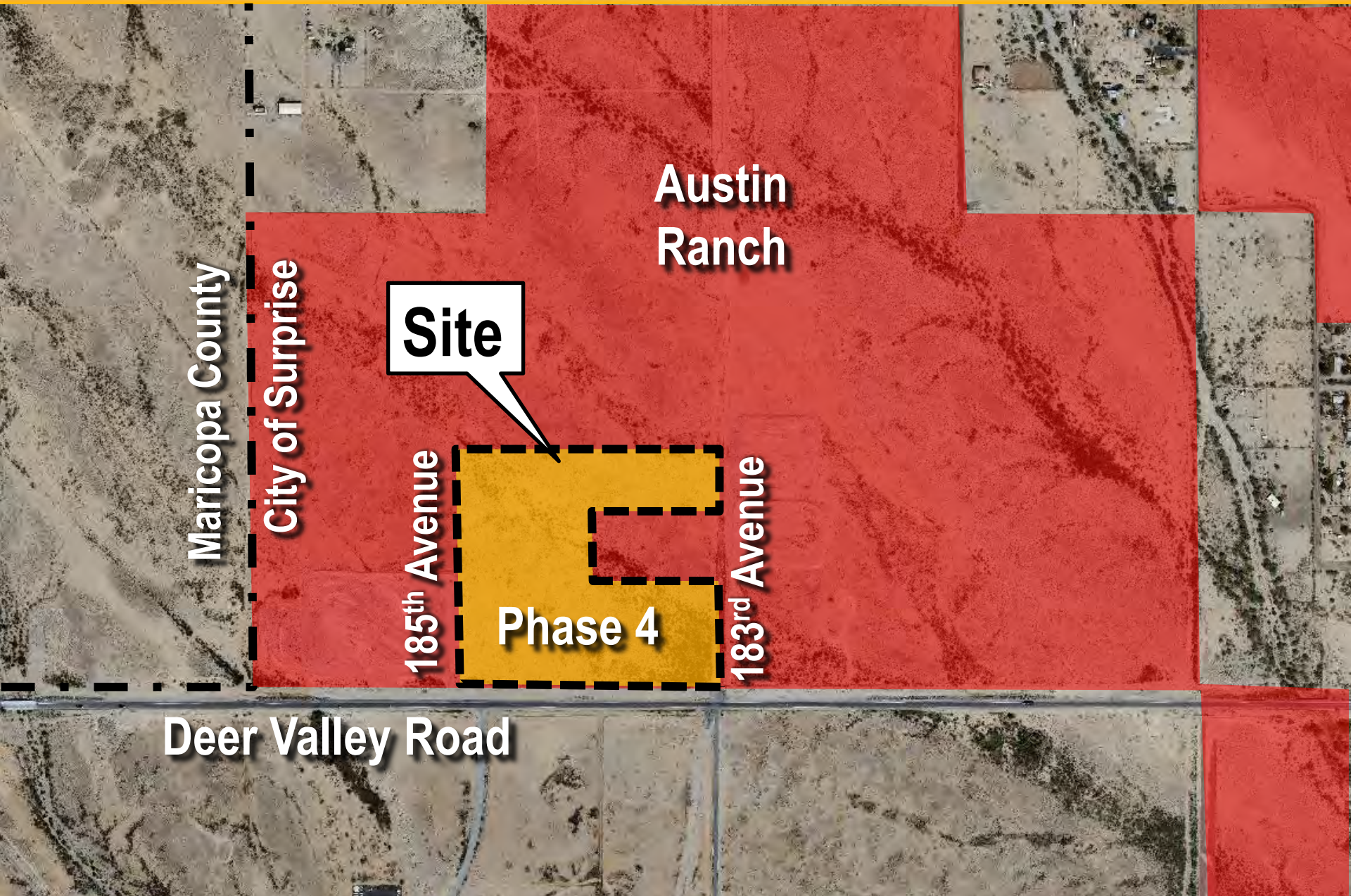
73
74 **Enclosure:**

75
76 Sealed Mylars (1 set)

VICINITY MAP – AUSTIN RANCH



VICINITY MAP – PHASE 4



Maricopa County

City of Surprise

Austin
Ranch

Site

185th Avenue

Phase 4

183rd Avenue

Deer Valley Road

DEDICATION:

STATE OF ARIZONA)
) SS
COUNTY OF MARICOPA)

KNOW ALL PERSON BY THESE PRESENTS:

THAT AUSTIN RANCH, LLC., AN ARIZONA LIMITED LIABILITY COMPANY, AS OWNER, HAS SUBDIVIDED UNDER THE NAME "AUSTIN RANCH WEST PARCEL 4" A SUBDIVISION LOCATED IN A PORTION OF SECTION 15, TOWNSHIP 4 NORTH, RANGE 2 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA AS SHOWN AND PLATTED HEREON AND HEREBY PUBLISHES THIS PLAT OF "AUSTIN RANCH WEST PARCEL 4" AND DECLARES THAT THIS PLAT SETS FORTH THE LOCATION AND GIVES THE DIMENSIONS OF EACH LOT, TRACT, STREET AND EASEMENT CONSTITUTING SAME, AND THAT EACH LOT, TRACT, STREET AND EASEMENT SHALL BE KNOWN BY THE NUMBER, LETTER AND/OR NAME GIVEN TO EACH RESPECTIVELY SHOWN ON THIS PLAT.

OWNER HEREBY DEDICATES AND CONVEYS TRACTS "11" THROUGH "00" AND "AH" TO THE AUSTIN RANCH WEST HOMEOWNERS ASSOCIATION.

OWNER HEREBY DEDICATES TO THE CITY OF SURPRISE FEE TITLE TO ALL PUBLIC RIGHTS-OF-WAY AS SHOWN ON THE PLAT.

OWNER HEREBY GRANTS TO THE PUBLIC A NON-EXCLUSIVE EASEMENT OVER, UPON AND ACROSS THE AREAS DESIGNATED AS PUBLIC UTILITY EASEMENTS AS SHOWN ON THE PLAT FOR THE PURPOSE OF INSTALLING, CONSTRUCTING, MAINTAINING, REPAIRING, REPLACING AND UTILIZING PUBLIC UTILITIES.

OWNER HEREBY GRANTS TO THE CITY OF SURPRISE A NON-EXCLUSIVE EASEMENT OVER, UPON AND ACROSS THE AREAS DESIGNATED AS SIGHT VISIBILITY TRIANGLES FOR THE PURPOSE OF ENSURING THAT THESE AREAS REMAIN FREE OF SIGHT VISIBILITY OBSTRUCTIONS.

OWNER HEREBY GRANTS TO THE UNITED STATES OF AMERICA DEPARTMENT OF THE AIR FORCE ("U.S.A.F.") AN AVIGATION EASEMENT OVER AND ACROSS THIS PLAT AND EVERY LOT AND PARCEL THEREOF, WHICH EASEMENT SHALL INCLUDE, BUT NOT BE LIMITED TO, THE RIGHT OF FLIGHT OF AIRCRAFT OVER THIS PLAT, TOGETHER WITH ITS ATTENDANT NOISE, VIBRATIONS, FUMES, DUST, FUEL AND LUBRICANT PARTICLES, AND ALL OTHER EFFECTS THAT MAY BE CAUSED BY THE OPERATION OF AIRCRAFT LANDING AT, OR TAKING OFF FROM, OR OPERATING AT OR ON LUKE AIR FORCE BASE AND AUXILIARY FIELDS.

OWNER HEREBY GRANTS TO THE CITY OF SURPRISE AN ODOR EASEMENT OVER, UPON AND ACROSS THIS PLAT AND EVERY LOT AND PARCEL THEREOF, WHICH EASEMENT SHALL INCLUDE, BUT NOT BE LIMITED TO, THE RIGHT TO INVADE WITH ODORS, FUMES, SMELLS, AND PHYSICAL AIRBORNE PARTICULATES CAUSED BY THE OPERATION AND MAINTENANCE OF THE CITY'S WATER RECLAMATION FACILITIES.

THE MAINTENANCE OF LANDSCAPING WITHIN THE OPEN SPACES, LANDSCAPED TRACTS, RETENTION BASINS AND NON-CITY OWNED PARKS SHALL BE THE RESPONSIBILITY OF THE OWNER OR THE ASSOCIATION FORMED BY THE OWNER.

THE MAINTENANCE OF LANDSCAPING WITHIN THE ADJACENT PUBLIC RIGHTS-OF-WAY, INCLUDING LANDSCAPED MEDIAN WITHIN COLLECTORS AND LOCAL STREETS AND LANDSCAPED AREAS BETWEEN THE CURB AND THE DETACHED SIDEWALK, SHALL BE THE RESPONSIBILITY OF THE ADJACENT PROPERTY OWNER OR THE PROPERTY ASSOCIATION FORMED BY THE ADJACENT PROPERTY.

LANDSCAPING MAINTENANCE WITHIN THE MEDIANS WITHIN THE PUBLIC RIGHT-OF-WAY WITHIN ANY ARTERIAL OR PARKWAY STREET CLASSIFICATION SHALL BE THE RESPONSIBILITY OF THE CITY OF SURPRISE AFTER ACCEPTANCE.

ALL IMPROVEMENTS, FOR STREETS AND PUBLIC UTILITIES OWNED AND OPERATED BY THE CITY, INSTALLED OR CONSTRUCTED BY THE OWNER WITHIN THE PUBLIC RIGHTS-OF-WAY, THE EASEMENTS, OR ANY TRACTS OR PARCELS HEREBY DEDICATED TO THE CITY OF SURPRISE, SHALL BE DEEMED TO HAVE BEEN DEDICATED BY OWNER TO THE CITY UPON THEIR COMPLETION; HOWEVER, SUCH TRANSFERS SHALL NOT OCCUR UNTIL THE CITY COUNCIL FOR THE CITY OF SURPRISE MANIFESTS ITS ACCEPTANCE BY A SEPARATE FORMAL COUNCIL ACTION.

THE EASEMENTS GRANTED WITHIN THIS DEDICATION ARE PERMANENT AND PERPETUAL AND SHALL RUN WITH THE LAND AND BE BINDING UPON OWNER AND ITS HEIRS, ASSIGNS, AND SUCCESSORS IN INTEREST TO THIS PLAT OR ANY PARCEL OR LOT THEREOF.

OWNER DOES HEREBY (1) RELEASE AND DISCHARGE THE CITY OF SURPRISE, AND (2) INDEMNIFY, DEFEND, AND HOLD HARMLESS THE CITY OF SURPRISE, OF AND FROM ANY LIABILITY FOR ANY AND ALL CLAIMS FOR DAMAGES OF ANY KIND TO PERSONS OR PROPERTY THAT MAY ARISE AT ANY TIME IN THE FUTURE OVER, OR IN CONNECTION WITH THE AREAS LOCATED WITHIN THE NEWLY DEDICATED RIGHT-OF-WAY AS DEPICTED ON THIS PLAT UNTIL SUCH TIME THE RIGHT-OF-WAY IS IMPROVED TO CITY STANDARDS AND THOSE IMPROVEMENTS ARE APPROVED AND ACCEPTED BY THE CITY COUNCIL. THE MAINTENANCE OF THE AREA WITHIN ANY NEWLY DEDICATED RIGHT-OF-WAY AS SHOWN ON THIS PLAT SHALL BE THE RESPONSIBILITY OF THE ADJACENT OWNER/OR SUBSEQUENT ADJACENT OWNERS WITHIN THE BOUNDARY OF SAID PLAT UNTIL SUCH TIME THAT THE AREA WITHIN THE RIGHT-OF-WAY IS IMPROVED TO THE CITY STANDARD AND ACCEPTED BY THE CITY OF SURPRISE

IN WITNESS WHEREOF, THE OWNER HAS HEREUNTO CAUSED ITS CORPORATE NAME TO BE SIGNED AND ITS CORPORATE SEAL TO BE AFFIXED BY THE UNDERSIGNED, DULY AUTHORIZED OFFICER

THIS THE _____ DAY OF _____, 20____.

AUSTIN RANCH, LLC., AN ARIZONA LIMITED LIABILITY COMPANY

BY: _____

ITS: _____

ACKNOWLEDGEMENT:

STATE OF ARIZONA)
) SS
COUNTY OF MARICOPA)

ON THIS THE _____ DAY OF _____, 20____, BEFORE ME,

_____ PERSONALLY APPEARED

AND ACKNOWLEDGED THEMSELVES TO BE _____
OF AUSTIN RANCH, LLC., AN ARIZONA LIMITED LIABILITY COMPANY AND THAT THEY AS SAID OFFICER BEING DULY AUTHORIZED TO DO SO AND ATTESTED TO BY THEIR SIGNATURE, EXECUTED THE FOREGOING INSTRUMENT FOR THE PURPOSES CONTAINED THEREIN.

IN WITNESS WHEREOF:

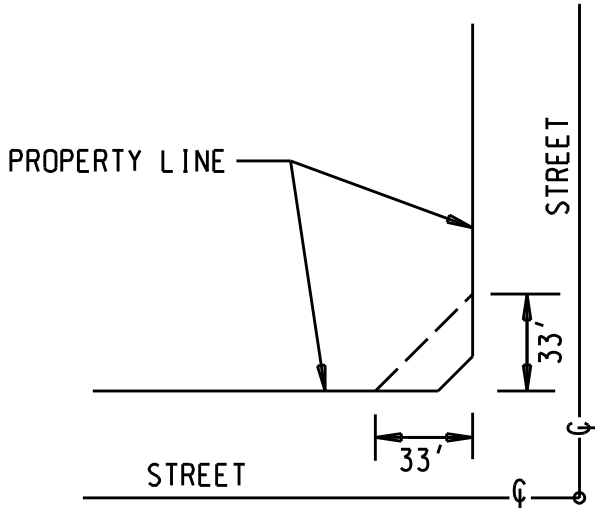
I HEREUNTO SET FORTH MY HAND AND OFFICIAL SEAL

BY: _____
NOTARY PUBLIC DATE

COMMISSION EXPIRES _____

FINAL PLAT OF AUSTIN RANCH WEST PARCEL 4

A SUBDIVISION OF A PART OF SECTION 15 TOWNSHIP 4 NORTH, RANGE 2 WEST,
OF THE GILA AND SALT RIVER MERIDIAN,
MARICOPA COUNTY, ARIZONA



1 VISIBILITY TRIANGLE DETAIL
NOT TO SCALE

ANY OBJECT, WALL, STRUCTURE, MOUND OR LANDSCAPING (MATURE OVER 24" IN HEIGHT IS NOT ALLOWED WITHIN THE VISIBILITY EASEMENT. TREE CANOPIES OVERHANGING THE EASEMENT, SHALL BE KEPT TRIMMED TO THE HEIGHT NO LESS THAN 7'.

TRACT INFORMATION CHART		
TRACT	DESCRIPTION	AREA
AH	DRAINAGE/LANDSCAPING/P.U.E.	0.05 AC
II	DRAINAGE/LANDSCAPING/P.U.E.	3.46 AC
JJ	DRAINAGE/LANDSCAPING/P.U.E.	0.06 AC
KK	DRAINAGE/LANDSCAPING/P.U.E.	1.83 AC
LL	LANDSCAPING/P.U.E.	0.05 AC
MM	LANDSCAPING/P.U.E.	0.05 AC
NN	LANDSCAPING/P.U.E.	0.05 AC
OO	LANDSCAPING/P.U.E.	0.04 AC
PP	LANDSCAPING/P.U.E.	0.04 AC
QQ	DRAINAGE/LANDSCAPING/P.U.E.	0.15 AC
	TOTAL TRACT AREA	5.78 AC

LEGAL DESCRIPTION OF
AUSTIN RANCH - PARCEL 4

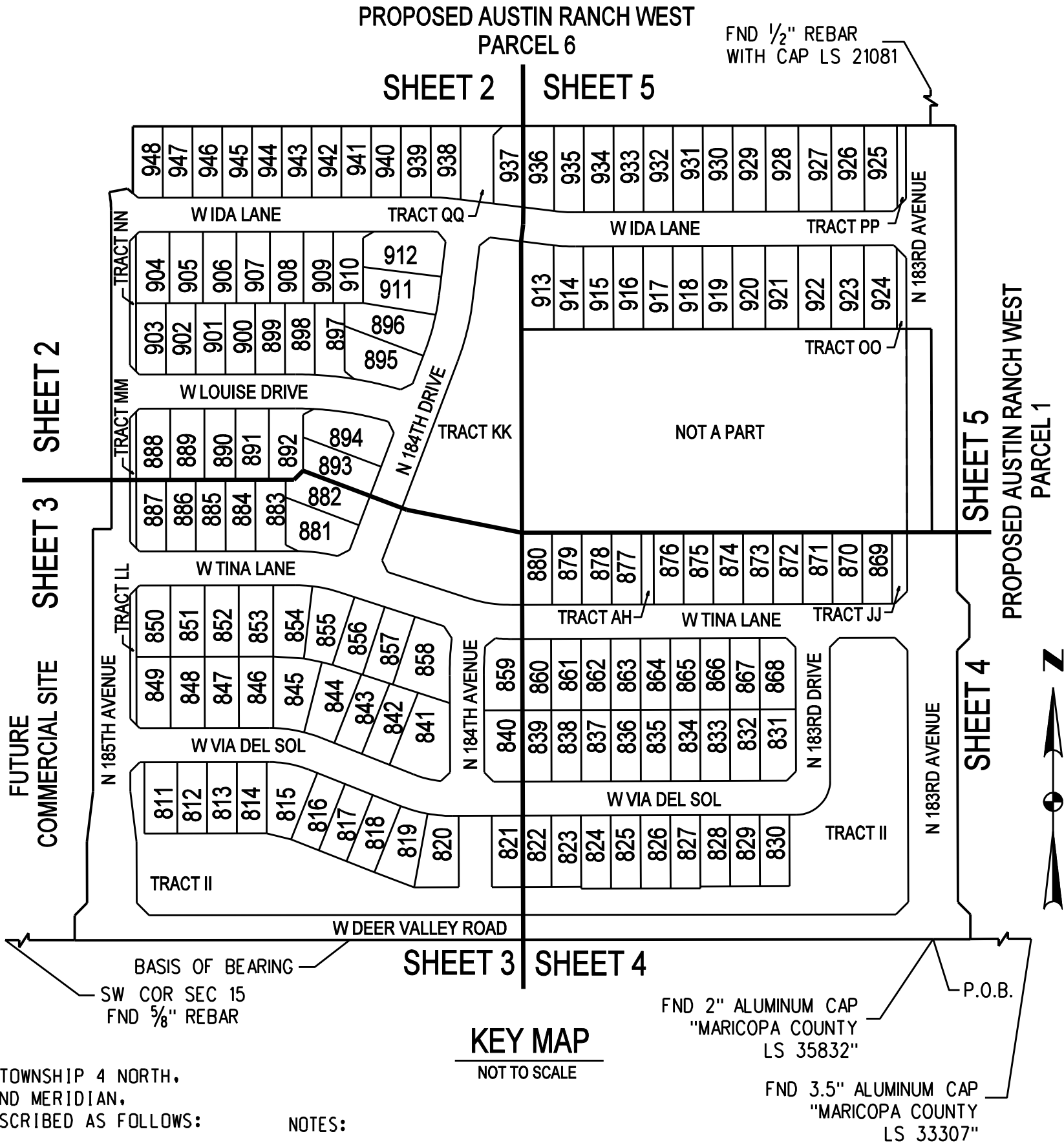
BEING A PART OF THE SOUTH HALF OF SECTION 15, TOWNSHIP 4 NORTH, RANGE 2 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTH QUARTER CORNER OF SAID SECTION 15; THENCE S 89°56'08"W, COINCIDENT WITH THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 15, A DISTANCE OF 1383.64 FEET; THENCE N 00°03'52"W, A DISTANCE OF 40.00 FEET; THENCE N 44°36'15"E, A DISTANCE OF 28.45 FEET; THENCE N 00°03'52"W, A DISTANCE OF 98.40 FEET; THENCE N 06°55'28"E, A DISTANCE OF 82.18 FEET; THENCE N 00°03'52"W, A DISTANCE OF 422.80 FEET; THENCE N 89°56'08"E, A DISTANCE OF 30.00 FEET; THENCE N 00°03'52"W, A DISTANCE OF 513.71 FEET TO A POINT OF CURVATURE; THENCE WITH THE ARC OF A CURVE TO THE LEFT, HAVING A RADIUS OF 150.00 FEET, THROUGH A CENTRAL ANGLE OF 11°12'22", AN ARC DISTANCE OF 29.34 FEET; THENCE N 78°43'45"E, A DISTANCE OF 30.00 FEET; THENCE S 49°28'25"E, A DISTANCE OF 11.32 FEET; THENCE N 00°03'52"W, A DISTANCE OF 107.42 FEET; THENCE N 89°55'14"E, A DISTANCE OF 1325.81 FEET; THENCE S 00°10'51"E, A DISTANCE OF 751.75 FEET; THENCE S 44°35'50"E, A DISTANCE OF 28.24 FEET; THENCE S 00°10'51"E, A DISTANCE OF 55.01 FEET; THENCE S 45°24'10"W, A DISTANCE OF 27.67 FEET; THENCE S 00°10'51"E, A DISTANCE OF 405.84 FEET; THENCE S 45°06'21"E, A DISTANCE OF 28.32 FEET; THENCE S 00°10'51"E, A DISTANCE OF 39.98 FEET TO A POINT ON THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 15; THENCE S 89°57'47"W, COINCIDENT WITH THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 15, A DISTANCE OF 60.00 FEET TO THE TRUE POINT OF BEGINNING.

EXCEPT ANY PART LYING WITHIN THE FOLLOWING DESCRIBED PROPERTY:

BEING A PART OF THE SOUTHWEST QUARTER OF SAID SECTION 15, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTH QUARTER CORNER OF SAID SECTION 15; THENCE N 00°10'51"W, COINCIDENT WITH THE EAST LINE OF SAID SOUTHWEST QUARTER, A DISTANCE OF 656.16 FEET TO THE TRUE POINT OF BEGINNING OF THE PARCEL HEREIN DESCRIBED; THENCE S 89°55'41"W, A DISTANCE OF 660.83 FEET; THENCE N 00°10'20"W, A DISTANCE OF 327.92 FEET; THENCE N 89°55'27"E, A DISTANCE OF 660.78 FEET TO A POINT ON THE EAST LINE OF SAID SOUTHWEST QUARTER; THENCE S 00°10'51"E, COINCIDENT WITH SAID EAST LINE, A DISTANCE OF 327.97 FEET TO THE TRUE POINT OF BEGINNING.

CONTAINING IN AREA 1,592,298 SQUARE FEET OR 36.55 ACRES MORE OR LESS.



NOTE:

TOTAL ACREAGE = 36.55 ACRES MORE OR LESS

TOTAL LOTS = 138
EXISTING ZONING: P.A.D.
FIRM MAP #04013C1205L
FIRM MAP #04013C1215L
OCTOBER 16, 2013

THE SETBACKS AND DIMENSIONAL REQUIREMENTS FOR PRIMARY AND ACCESSORY USES AND STRUCTURES APPROVED IN THE AUSTIN RANCH PLANNED AREA DEVELOPMENT (PAD) DOCUMENT THAT WAS PASSED BY THE MAYOR AND CITY COUNCIL ON MAY 27, 2004, WILL DETERMINE SETBACKS AND DIMENSIONAL REQUIREMENTS. WHEN SETBACKS AND/OR DIMENSIONAL REQUIREMENTS FOR PRIMARY AND ACCESSORY USES AND STRUCTURES ARE NOT SPECIFIED IN THE PAD, THE CITY OF SURPRISE MUNICIPAL CODE IN PLACE AT THE TIME OF BUILDING PERMIT APPLICATION WILL DETERMINE SUCH SETBACKS AND DIMENSIONAL REQUIREMENTS.

LEGEND

_____	PLAT BOUNDARY
-----	CENTERLINE
-----	RIGHT-OF-WAY
-----	EASEMENT
△	CORNER OF THIS PLAT (1/2" REBAR TO BE SET BY OTHERS AFTER CONSTRUCTION)
○	FOUND MONUMENT AS NOTED
○	STREET CL MONUMENTATION (BRASS CAP MAG STD DET 120-1 TYPE "B" TO BE SET BY OTHERS AFTER CONSTRUCTION)
V.N.A.E.	VEHICULAR NON-ACCESS EASEMENT
P.U.E.	PUBLIC UTILITY EASEMENT
(R)	RADIAL BEARING
1	SIGHT VISIBILITY EASEMENT
R/W	RIGHT OF WAY

OWNER

AUSTIN RANCH, LLC
CONTACT: HANS KOPPENHOEFFER
4160 W. KITTY HAWK
CHANDLER, ARIZONA 85226
PHONE: (480) 893-7515
EMAIL: HANS.KOPPENHOEFFER@COURTLANDHOMES.COM

BASIS OF BEARING

THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 15, TOWNSHIP 4 NORTH, RANGE 2 WEST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN, USING WGS PUBLISHED COORDINATES, AS SHOWN ON THE ALTA/ACSM LAND SURVEY TITLE SURVEY, AS RECORDED IN BOOK 590 OF MAPS AT PAGE 42, OF THE RECORDS OF MARICOPA COUNTY, ARIZONA, SAID BEARING BEING: SOUTH 89°56'08" WEST.

100 YEAR ASSURED WATER SUPPLY

THE OWNER HAS OBTAINED A CERTIFICATE OF 100 YEAR ASSURED SUPPLY FROM THE DEPARTMENT OF WATER RESOURCES.

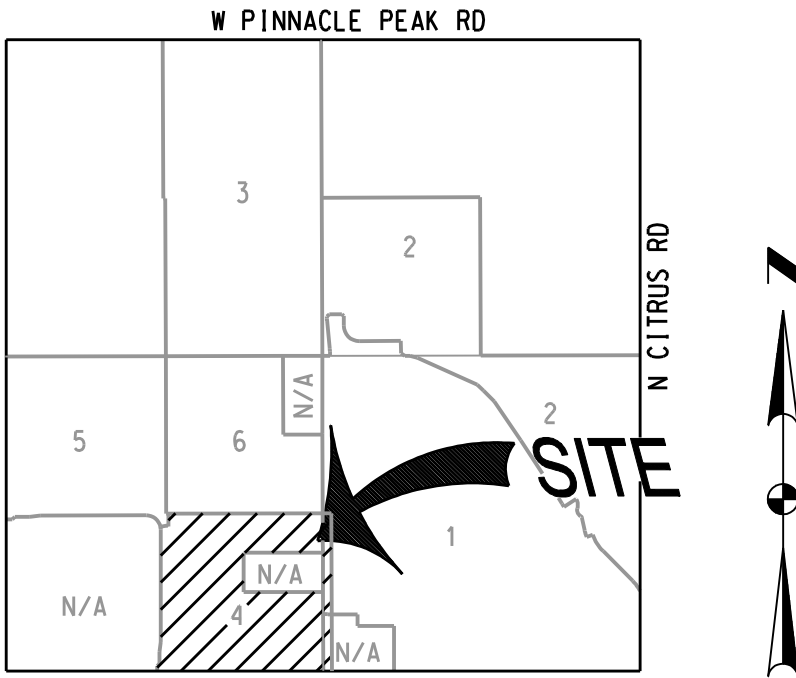
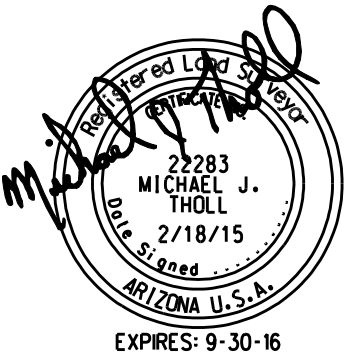
27-402121.0000	JUNE 13, 2007
CERTIFICATE NUMBER	DATE

CERTIFICATION

THIS IS TO CERTIFY THAT THE SURVEY AND SUBDIVISION OF THE PREMISES DESCRIBED AND PLATTED HEREON WAS MADE UNDER MY DIRECTION DURING THE MONTH OF OCTOBER, 2013; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN; THAT THE MONUMENTS SHOWN ACTUALLY EXIST OR WILL BE SET AS SHOWN; THAT THEIR POSITIONS ARE CORRECTLY SHOWN; AND THAT SAID MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

BY: _____

MICHAEL J. THOLL
REGISTERED LAND SURVEYOR
REGISTRATION # 22283
SAGE LAND SURVEYING



VICINITY MAP

SEC.15 T4N.R2W.
N.T.S.

RELEASE OF LIABILITY

AUSTIN RANCH, LLC., AN ARIZONA LIMITED LIABILITY COMPANY ("OWNER") DOES HEREBY (1) RELEASE AND DISCHARGE THE U.S.A.F. AND THE CITY OF SURPRISE ("CITY"), AND (2) INDEMNIFY, DEFEND, AND HOLD HARMLESS THE CITY, OF AND FROM, ANY LIABILITY FOR ANY AND ALL CLAIMS FOR DAMAGES OF ANY KIND TO PERSONS OR PROPERTY THAT MAY ARISE AT ANY TIME IN THE FUTURE, OVER, OR IN CONNECTION WITH AIRCRAFT OVERFLIGHTS FROM AIRCRAFT UTILIZING LUKE AIR FORCE BASE, WHETHER SUCH DAMAGE SHALL ORIGINATE FROM NOISE, VIBRATION, FUMES, DUST, FUEL AND LUBRICANT PARTICLES, AND ALL OTHER EFFECTS THAT MAY BE CAUSED BY THE OPERATION OF AIRCRAFT LANDING AT, OR TAKING OFF FROM, OR OPERATING AT OR ON LUKE AIR FORCE BASE. THIS INSTRUMENT SHALL RUN WITH THE LAND AND BE BINDING UPON OWNER AND ITS HEIRS, ASSIGNS, AND SUCCESSORS IN THE INTEREST TO THIS PLAT OR ANY PARCEL OR LOT THEREOF. THIS INSTRUMENT DOES NOT RELEASE THE U.S.A.F. FROM LIABILITY FOR DAMAGE OR INJURY TO PERSONS OR PROPERTY CAUSED BY FALLING AIRCRAFT OR FALLING PHYSICAL OBJECTS FROM AIRCRAFT, EXCEPT AS STATED HEREIN WITH RESPECT TO NOISE, FUMES, DUST, FUEL, AND LUBRICANT PARTICLES.

OWNER HEREBY FURTHER AGREES TO INDEMNIFY, DEFEND, AND HOLD HARMLESS THE CITY OF SURPRISE FROM ANY AND ALL CLAIMS FOR DAMAGES OF ANY KIND TO PERSONS OR PROPERTY THAT MAY ARISE IN CONNECTION WITH THE USE OF THE SIDEWALKS LOCATED WITHIN THE RIGHT-OF-WAY.

PUBLIC NOTICE

THE LOTS DEPICTED ON THIS PLAT ARE LOCATED WITHIN THE VICINITY OF LUKE AIR FORCE BASE AND MAY BE SUBJECT TO OVERFLIGHTS BY JET AIRCRAFT. ALL STRUCTURES WITHIN THIS PLAT SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE SOUND ATTENUATION STANDARDS ADOPTED BY THE CITY OF SURPRISE. A MAP DEPICTING THE MOST CURRENT ADOPTED M.A.G. NOISE CONTOURS IN RELATION TO THIS PLAT SHALL BE DISPLAYED IN ALL SALES OFFICES. ADDITIONAL INFORMATION MAY BE OBTAINED BY CONTACTING THE CITY OF SURPRISE COMMUNITY DEVELOPMENT DEPARTMENT.

LIMITATION ON THE ISSUANCE OF CERTIFICATES OF OCCUPANCY

THE LOTS AND PARCELS CREATED, DEFINED OR DEPICTED ON THIS PLAT ARE SUBJECT TO A LIMITATION ON THE ISSUANCE OF CERTIFICATES OF OCCUPANCY AS SET FORTH WITH THE SURPRISE MUNICIPAL CODE. NO PERSON MAY OCCUPY A BUILDING OR STRUCTURE ERECTED ON ANY LOT OR PARCEL ON THIS PLAT UNTIL THE CITY OF SURPRISE ("CITY") HAS ISSUED A CERTIFICATE OF OCCUPANCY. THE CITY WILL NOT ISSUE A CERTIFICATE OF OCCUPANCY UNTIL ALL ON-SITE IMPROVEMENTS SUBJECT TO A CERTIFICATE OF OCCUPANCY FREEZE HAVE BEEN CONSTRUCTED AND CONDITIONALLY ACCEPTED BY THE CITY. THIS LIMITATION MAY BE RELEASED IN PHASES. A PROSPECTIVE BUYER OF A LOT OR PARCEL SHOULD REQUIRE THE SELLER TO PRODUCE A RECORDED RELEASE OF THIS LIMITATION SIGNED BY THE CITY PRIOR TO PURCHASING OR CLOSING ESCROW ON ANY LOT OR PARCEL. FAILURE TO OBTAIN SUCH A RELEASE OF THIS LIMITATION MAY RESULT IN THE BUYER BEING PROHIBITED FROM OCCUPYING THE HOUSE OR STRUCTURE BUILT ON THE LOT OR PARCEL.

APPROVALS:

CERTIFICATE OF APPROVAL OF THE CITY ENGINEER:
DATA ON THIS PLAT REVIEWED AND APPROVED THIS _____ DAY OF _____, 20____,
BY THE CITY ENGINEER OF SURPRISE, ARIZONA.

CITY ENGINEER

CERTIFICATE OF ACCEPTANCE AND APPROVAL BY THE CITY COUNCIL:
APPROVED BY THE CITY COUNCIL OF THE CITY OF SURPRISE, ARIZONA.
THIS _____ DAY OF _____, 20____.

MAYOR

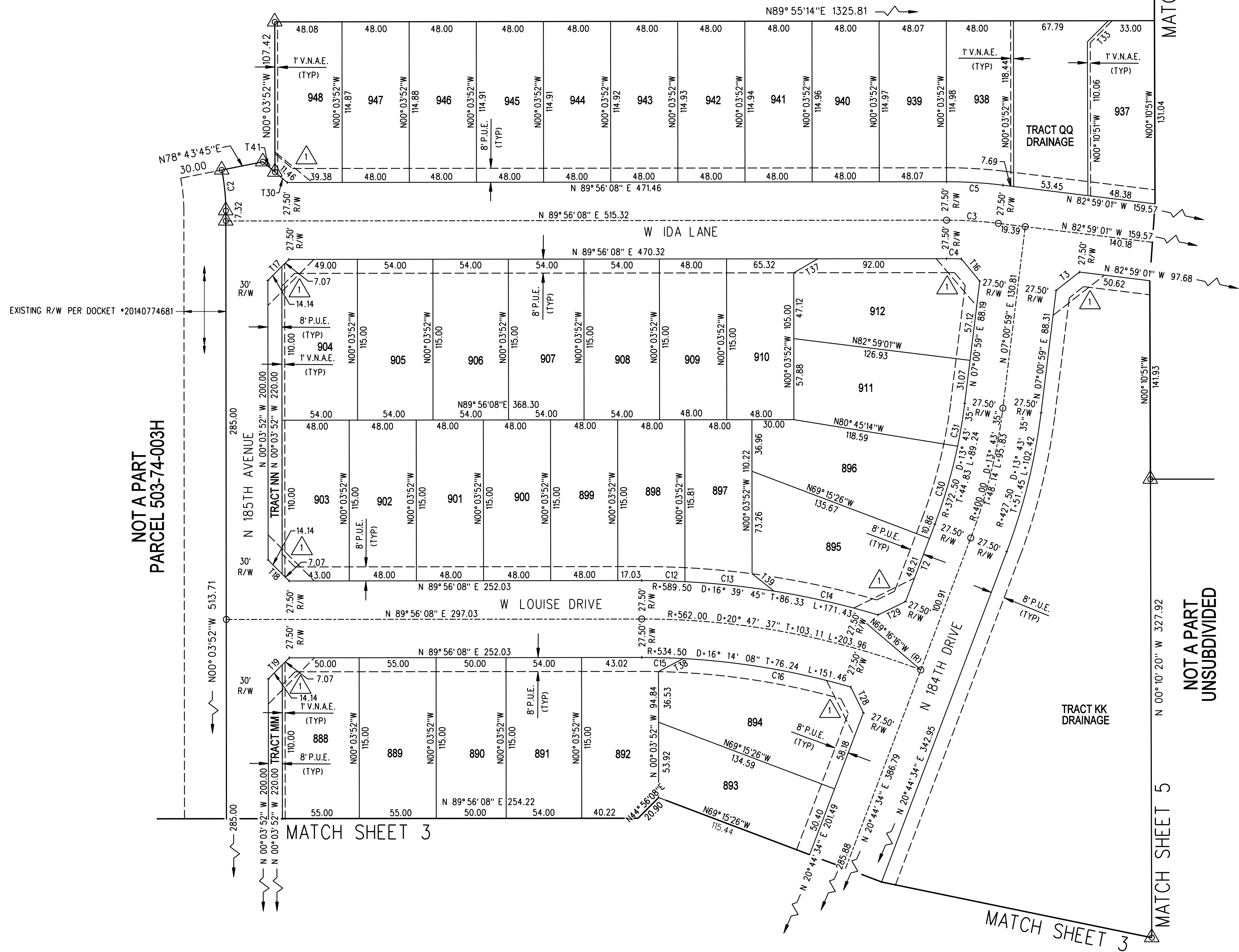
ATTEST: _____
CITY CLERK

AUSTIN RANCH WEST
PARCEL 4
PROJECT # 137-013.4
SEPTEMBER 2014
SHEET 1 OF 5

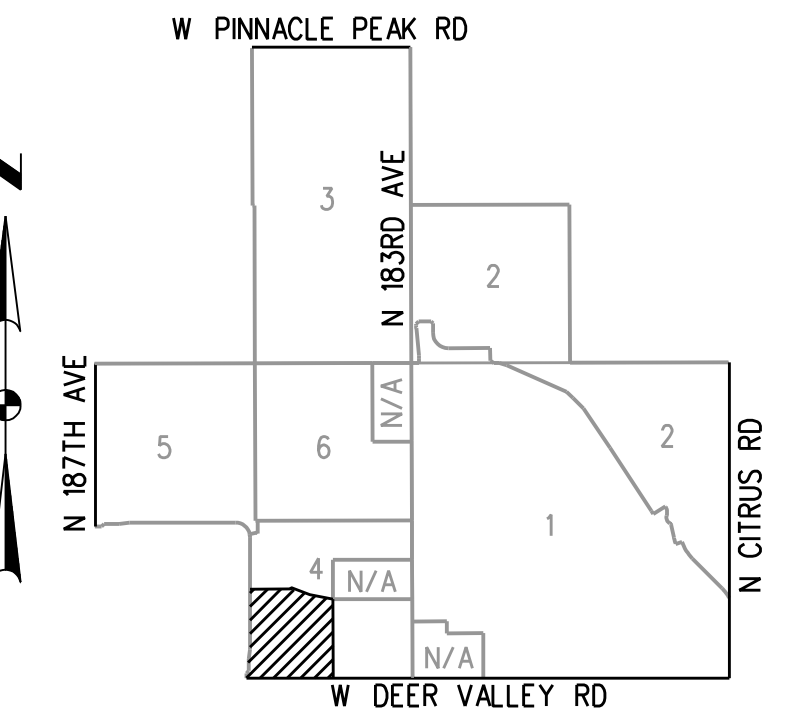
Age Land Surveying
5014 E. Onida Street
PHOENIX, ARIZONA 85044
(480)270-1538

AUSTIN RANCH WEST PARCEL 4

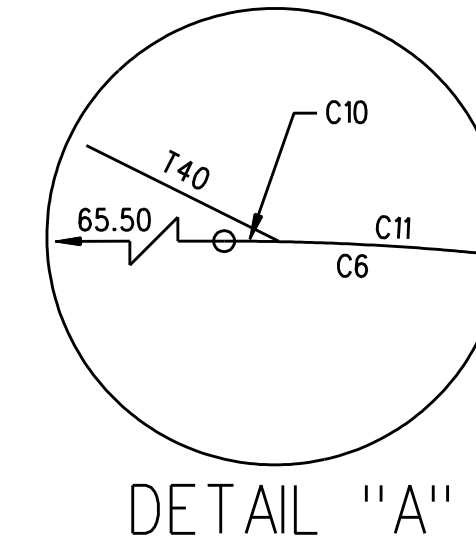
PROPOSED AUSTIN RANCH WEST PARCEL 6



AUSTIN RANCH WEST PARCEL 4



VICINITY MAP
SEC.15 T4N R2W.
N.T.S.

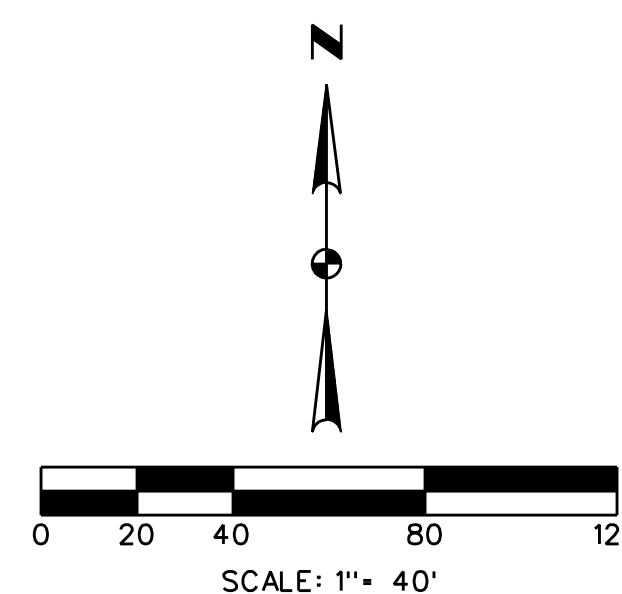


DETAIL "A"

LEGEND

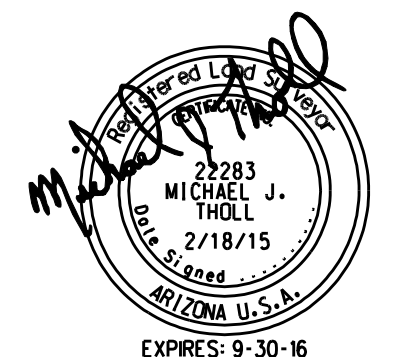
- PLAT BOUNDARY
- CENTERLINE
- RIGHT-OF-WAY
- EASEMENT
- CORNER OF THIS PLAT
(1/2" REBAR TO BE SET BY OTHERS
AFTER CONSTRUCTION)
- FOUND MONUMENT AS NOTED
- STREET CL. MONUMENTATION (BRASS CAP
MAG STD DET 120-1 TYPE "B" TO BE SET
BY OTHERS AFTER CONSTRUCTION)
- V.N.A.E.
- P.U.E.
- (R)
- SIGHT VISIBILITY EASEMENT
- R/W
- VEHICULAR NON-ACCESS EASEMENT
- PUBLIC UTILITY EASEMENT
- RADIAL BEARING
- SIGHT VISIBILITY EASEMENT
- RIGHT OF WAY

C. NO.	RADIUS	CURVE TABLE			T. NO.	LINE TABLE	
		DELTA	LENGTH	TANGENT		DIRECTION	DISTANCE
C6	277.50	13° 53' 22"	67.27	33.80	T7	N 25° 37' 19" W	20.70
C7	222.50	18° 04' 39"	70.20	35.39	T8	N 32° 28' 32" W	23.14
C8	222.50	06° 45' 58"	26.28	13.15	T9	N 51° 25' 49" E	21.15
C9	222.50	11° 18' 41"	43.93	22.03	T10	N 46° 50' 03" E	20.45
C10	277.50	00° 42' 32"	3.43	1.72	T11	N 45° 10' 51" W	21.21
C11	277.50	13° 10' 50"	63.84	32.06	T12	N 44° 56' 08" E	21.21
C12	200.00	21° 39' 43"	75.61	38.26	T13	N 63° 03' 29" E	22.18
C13	227.50	21° 39' 43"	86.01	43.53	T14	N 00° 03' 52" W	31.67
C14	227.50	07° 19' 38"	29.09	14.57	T15	N 45° 03' 52" W	21.21
C15	172.50	21° 39' 43"	65.22	33.00	T16	N 44° 56' 08" E	21.21
C16	222.50	21° 46' 42"	76.02	38.47	T17	N 44° 36' 15" E	28.45
C17	172.50	15° 15' 24"	45.93	23.10	T18	N 45° 03' 52" W	28.61
C18	227.50	11° 21' 42"	45.11	22.63	T19	N 80° 03' 28" W	43.20
C19	227.50	10° 25' 00"	41.36	20.74	T20	N 00° 09' 48" W	30.43
C20	227.50	18° 11' 38"	79.39	40.03	T21	N 75° 52' 10" E	17.65
C21	250.00	03° 37' 58"	15.85	7.93	T22	N 86° 39' 52" W	49.87
C22	250.00	14° 33' 40"	63.53	31.94	T23	N 77° 56' 54" W	29.60
C23	277.50	01° 56' 34"	9.41	4.70	T24	N 63° 28' 14" W	22.39
C24	227.50	01° 44' 16"	6.90	3.45			

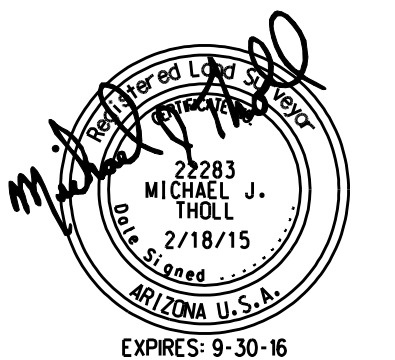
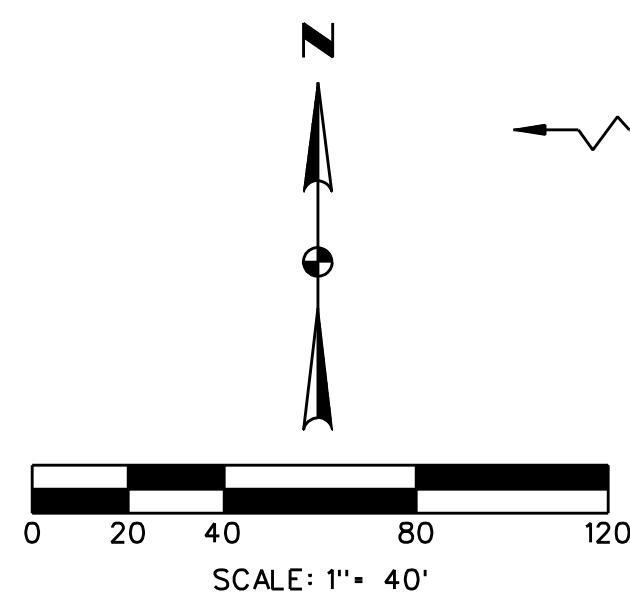


AUSTIN RANCH WEST
PARCEL 4
PROJECT # 137-013.4
SEPTEMBER 2014
SHEET 3 OF 5

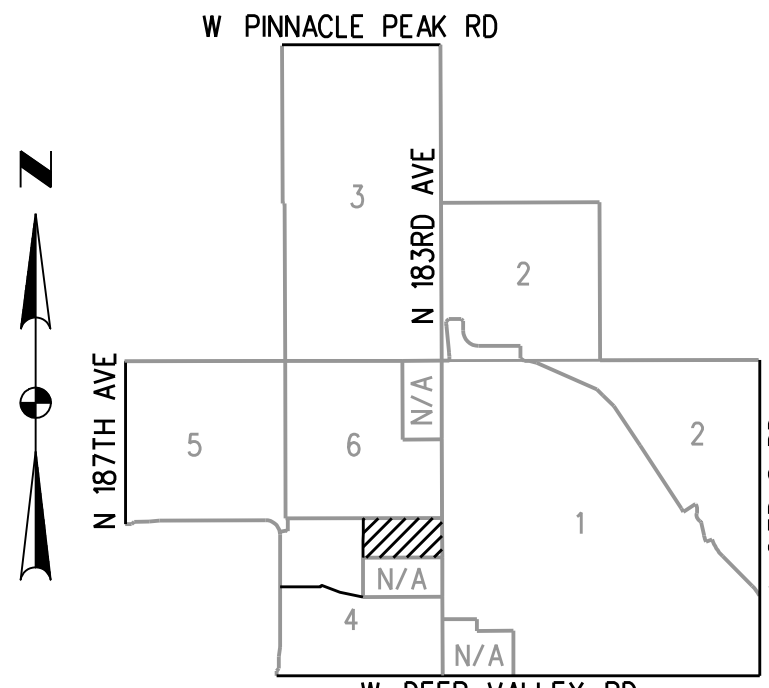
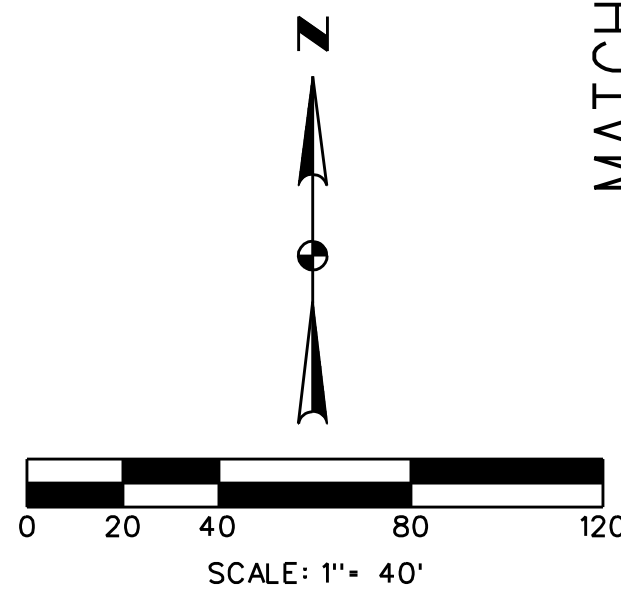
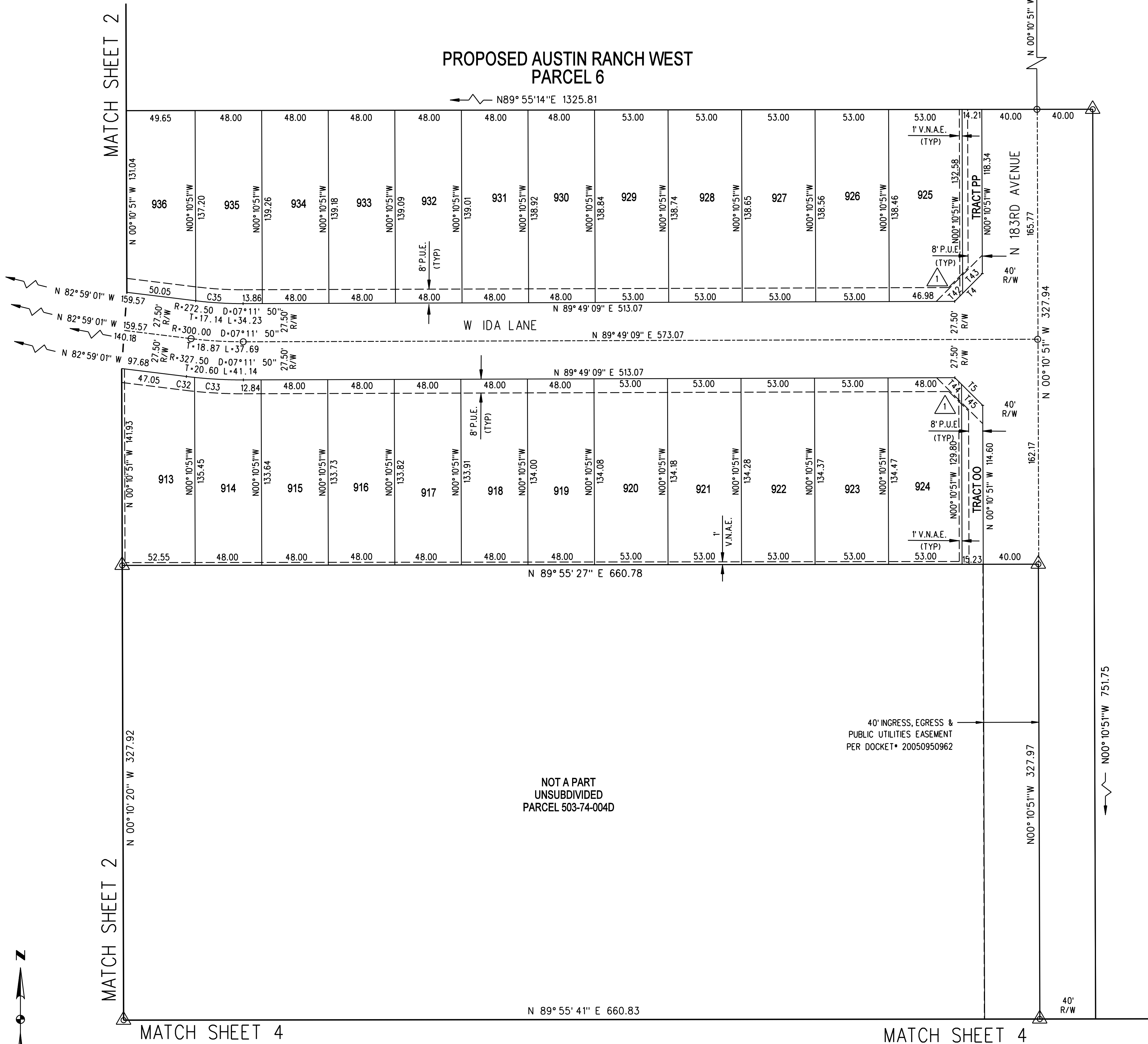
Age Land Surveying
5014 E. Grand Street
PHOENIX, ARIZONA 85044
(480)270-1538



NOT A PART
UNSUBDIVIDED



AUSTIN RANCH WEST
PARCEL 4



VICINITY MAP

SEC.15 T4N. R2W.
N.T.S.

LINE TABLE		
T NO.	DIRECTION	DISTANCE
T4	N 44° 49' 09" E	28.28
T5	N 45° 10' 51" W	28.28
T42	N 44° 49' 09" E	8.52
T43	N 44° 49' 09" E	20.10
T44	N 45° 10' 51" W	6.74
T45	N 45° 10' 51" W	21.54

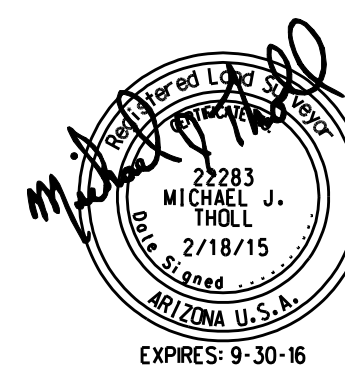
CURVE TABLE			
C NO.	RADIUS	DELTA	TANGENT
C32	327.50	01° 02' 01"	2.95
C33	327.50	06° 09' 49"	17.63
C35	272.50	07° 11' 50"	17.14

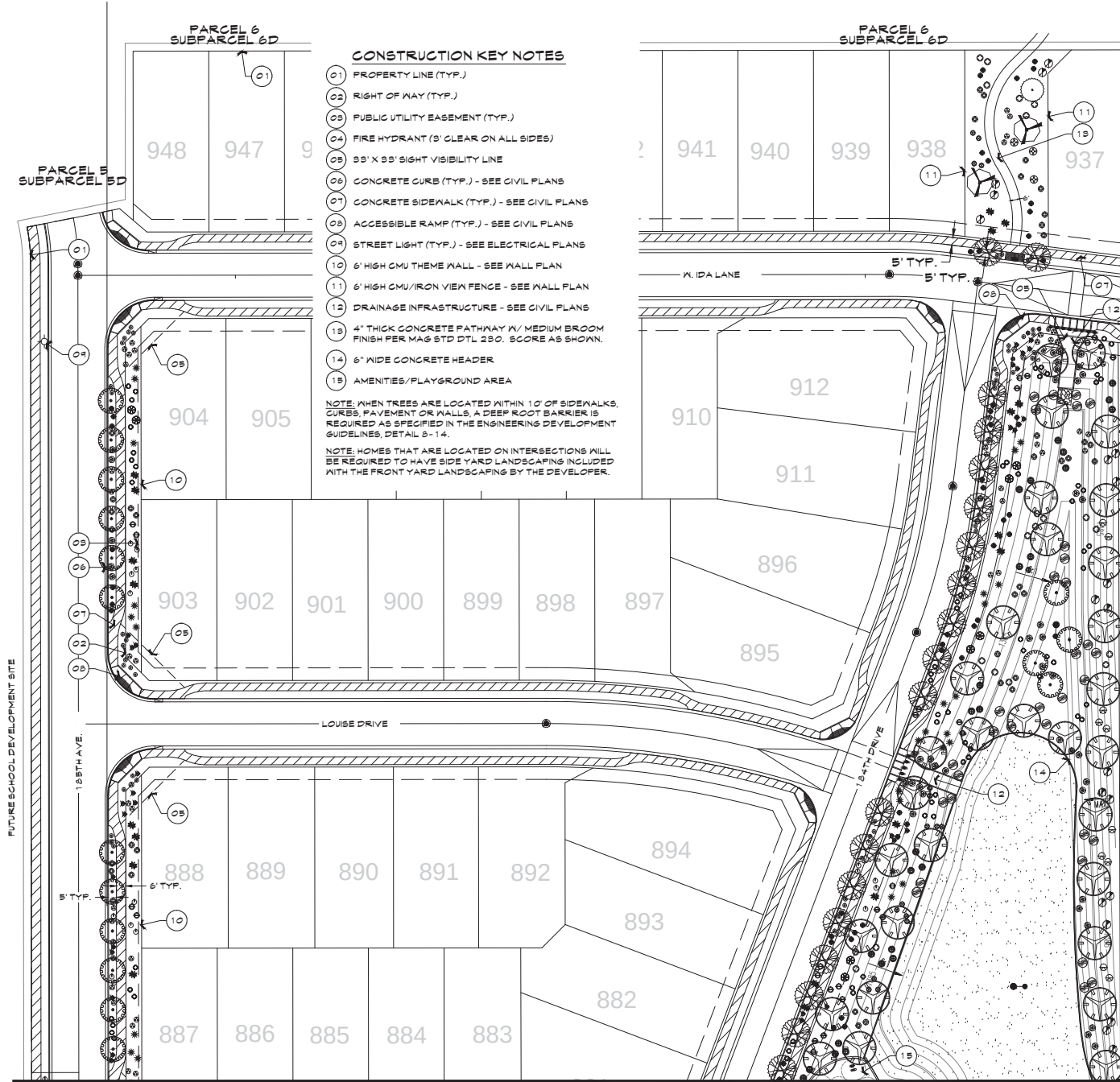
LEGEND

- PLAT BOUNDARY
- CENTERLINE
- RIGHT-OF-WAY
- EASEMENT
- CORNER OF THIS PLAT
(1/2" REBAR TO BE SET BY OTHERS
AFTER CONSTRUCTION)
- FOUND MONUMENT AS NOTED
- STREET CL MONUMENTATION (BRASS CAP
MAG STD DET 120-1 TYPE "B" TO BE SET
BY OTHERS AFTER CONSTRUCTION)
- V.N.A.E. VEHICULAR NON-ACCESS EASEMENT
- P.U.E. PUBLIC UTILITY EASEMENT
- (R) RADIAL BEARING
- SIGHT VISIBILITY EASEMENT
- R/W RIGHT OF WAY

AUSTIN RANCH WEST
PARCEL 4
PROJECT # 137-013.4
SEPTEMBER 2014
SHEET 5 OF 5

Age Land Surveying
5014 E. Orinda Street
PHOENIX, ARIZONA 85044
(480)270-1538





FUTURE SCHOOL DEVELOPMENT SITE

CONSTRUCTION KEY NOTES

- 01 PROPERTY LINE (TYP.)
- 02 RIGHT OF WAY (TYP.)
- 03 PUBLIC UTILITY EASEMENT (TYP.)
- 04 FIRE HYDRANT (5' CLEAR ON ALL SIDES)
- 05 33' X 33' SIGHT VISIBILITY LINE
- 06 CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- 07 CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- 08 ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- 09 STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 10 6' HIGH CMU THEME WALL - SEE WALL PLAN
- 11 6' HIGH CMU/IRON VIEW FENCE - SEE WALL PLAN
- 12 DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 13 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER MAG STD DTL 230. SCORE AS SHOWN.
- 14 6" WIDE CONCRETE HEADER
- 15 AMENITIES/PLAYGROUND AREA

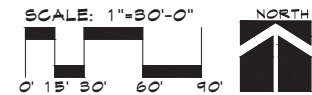
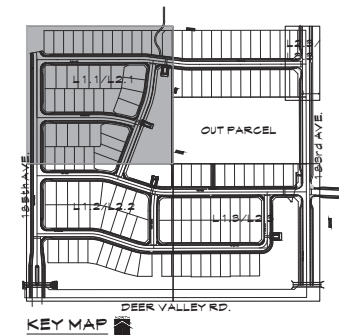
NOTE: WHEN TREES ARE LOCATED WITHIN 10' OF SIDEWALKS, CURBS, PAVEMENT OR WALLS, A DEEP ROOT BARRIER IS REQUIRED AS SPECIFIED IN THE ENGINEERING DEVELOPMENT GUIDELINES, DETAIL 8-14.

NOTE: HOMES THAT ARE LOCATED ON INTERSECTIONS WILL BE REQUIRED TO HAVE SIDE YARD LANDSCAPING INCLUDED WITH THE FRONT YARD LANDSCAPING BY THE DEVELOPER.

PLANT LEGEND

	TREES
	ACACIA ANEURA / MULSA
	ACACIA SALICINA / MILLON ACACIA
	CHILOPSIS SP. 'RIO SALADO' / 'RIO SALADO' DESERT NILLOX
	OLNEYA TESOTA / IRONWOOD
	OLNEYA TESOTA / IRONWOOD (BOX SIZE ON PLAN)
	PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE
	PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE
	PROSOPIS HYBRID 'AZT' / 'AZT THORNLESS MESQUITE
	SALVAGED TREE- SEE SALVAGE PLANS FOR TAG #
	SHRUBS
	CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER
	ENCELIA FARINOSA / BRITTLEBUSH
	HYPTIS EMORYI / DESERT LAVENDER
	JUSTICIA CALIFORNICA / CHUPAROSA
	LARREA TRIDENTATA / CREOSOTE BUSH
	LEUCOPHYLLUM LAEVIGATUM / CHIHUAHUA SAGE
	SIMMONDSIA CHINENSIS / JOJOBA
	SPHAERALCEA AMBIGUA / GLOBE MALLOW
	ACCENTS
	AGAVE AMERICANA / AMERICAN AGAVE
	AGAVE FARRII / FARRY'S AGAVE
	ASCLEPIUS SUBULATA / DESERT MILKWEED
	BOUTELOUA GRACILIS / BLONDE AMBITION GRASS
	DASYLIUM WHEELERI / DESERT SPOON
	FOQUIERIA SPLENDENS / OCOTILLO
	HESPERALOE PARVIFLORA 'PERFA' / BRAKELIGHTS RED YUCCA
	MUHLENBERGIA RIGENS / DEER GRASS
	OPUNTIA ENGELMANNI / NATIVE PRICKLY PEAR
	GROUNDCOVERS
	AMBROSIA DELTOIDEA / TRIANGLELEAF BUR-SAGE
	BAILEYA MULTIRADIATA / DESERT MARIGOLD
	EREMOPHILA GLABRA HYB. / 'OUTBACK SUNRISE
	PENSTEMON FARRII / FARRY'S PENSTEMON
	TURF- MID-IRON BERMUDA SOD.
	DECOMPOSED GRANITE- TO BE DETERMINED BY OWNER.
	RIP-RAP- SEE CIVIL PLANS.
	6" CONCRETE HEADER - NATURAL COLOR

OUT PARCEL



McGough Group
 Landscape Architecture
 Urban Design • Site Planning
 Parks and Recreation
 11110 N Tatum Blvd.
 Suite 100
 Phoenix, Arizona
 85038
 602-997-9093
 602-997-9031 fax
 E-Mail: Thom@mg-ga.com



LANDSCAPE PLAN AUSTIN RANCH-PARCEL 4

1893RD AVE & DEER VALLEY RD.
SURPRISE, AZ

PREPARED FOR: COURTLAND HOMES

These drawings, as legal instruments of professional services are, and shall remain the property of the landscape architect.
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JOB NO. 14-42
 DATE: 02-15-16
 DRAWN BY: NA
 CHECKED BY: TM

REVISIONS:

SHEET NO.
L1.1
 2 OF 13

MATCHLINE- SEE SHEET L1.1

CONSTRUCTION KEY NOTES

- 01 PROPERTY LINE (TYP.)
- 02 RIGHT OF WAY (TYP.)
- 03 PUBLIC UTILITY EASEMENT (TYP.)
- 04 FIRE HYDRANT (5' CLEAR ON ALL SIDES)
- 05 88' X 88' SIGHT VISIBILITY LINE
- 06 CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- 07 CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- 08 ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- 09 STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 10 6' HIGH CMU THEME WALL - SEE WALL PLAN
- 11 6' HIGH CMU/IRON VIEW FENCE - SEE WALL PLAN
- 12 DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 13 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER MAG STD DTL 230. SCORE AS SHOWN.
- 14 6" WIDE CONCRETE HEADER
- 15 AMENITIES/PLAYGROUND AREA

NOTE: WHEN TREES ARE LOCATED WITHIN 10' OF SIDEWALKS, CURBS, PAVEMENT OR WALLS, A DEEP ROOT BARRIER IS REQUIRED AS SPECIFIED IN THE ENGINEERING DEVELOPMENT GUIDELINES, DETAIL 8-14.

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ANY/ALL IMPROVEMENTS TO DEER VALLEY ROAD AND/OR ADJACENT LANDSCAPE AREAS WITHIN THE DEER VALLEY RD. R.O.W. WILL BE THE RESPONSIBILITY OF THE CITY OF SURPRISE.

PLANT LEGEND

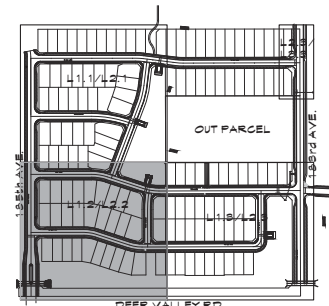
- TREES**
- ACACIA ANEURA / MULGA
 - ACACIA SALICINA / NILLON ACACIA
 - CHILOPSIS SP. RIO SALADO / RIO SALADO DESERT NILLON
 - OLNEYA TESOTA / IRONWOOD
 - OLNEYA TESOTA / IRONWOOD (BOX SIZE ON PLAN)
 - PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE
 - PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE
 - PROSOPIS HYBRID 'AZT' / AZT THORNLESS MESQUITE
 - SALVAGED TREE - SEE SALVAGE PLANS FOR TAG #

- SHRUBS**
- CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER
 - ENCELIA FARINOA / BRITTLEBUSH
 - HYPTIS EMORYI / DESERT LAVENDER
 - JUSTICIA CALIFORNICA / CHUPAROSA
 - LARREA TRIDENTATA / CREOSOTE BUSH
 - LEUCOPHYLLUM LAEVIGATUM / CHIHUAHUA SAGE
 - SIMMONDSIA CHINENSIS / JOJOBA
 - SPHAERALCEA AMBIGUA / GLOBE MALLOW

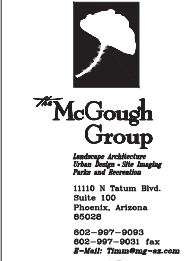
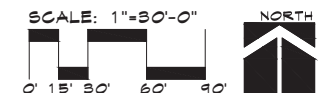
- ACCENTS**
- ASAVE AMERICANA / AMERICAN ASAVE
 - ASAVE PARRIS / PARRIS ASAVE
 - ASCLEPIUS SUBULATA / DESERT MILKWEED
 - BOUTELOUA GRACILIS / BLONDE AMBITION GRASS
 - DASYLIRION PHOENICEUM / DESERT SPOON
 - FOUGERIA SPLENDENS / OCCOTILLO
 - HESPERALOE PARVIFLORA PERFA / BRAKELIGHTS RED YUCCA
 - MUHLENBERGIA RIGENS / DEER GRASS
 - OPUNTIA ENGELMANNII / NATIVE PRICKLY PEAR

- GROUNDCOVERS**
- AMBROSIA DELTOIDEA / TRIANGLELEAF BUR-SAGE
 - BAILEYA MULTIRADIATA / DESERT MARIGOLD
 - EREMOPHILA SLABRA HYB. / OUTBACK SUNRISE
 - PENSTEMON PARRIS / PARRIS PENSTEMON

- TURF - MID-IRON BERMUDA SOD.**
- DECOMPOSED GRANITE - TO BE DETERMINED BY OWNER.**
- RIP-RAP - SEE CIVIL PLANS.**
- 6" CONCRETE HEADER - NATURAL COLOR**



KEY MAP



PLANTING PLAN AUSTIN RANCH-PARCEL 4

135RD AVE & DEER VALLEY RD.
SURPRISE, AZ

PREPARED FOR: COURTLAND HOMES

These drawings, as legal instruments of professional services, are and shall remain the property of the landscape architect.

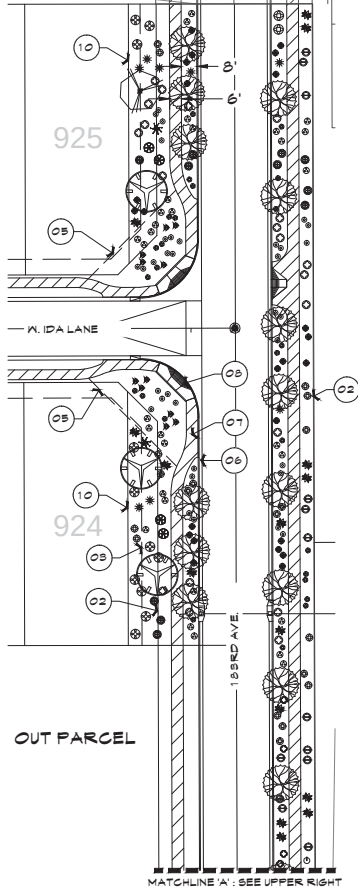
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JOB NO. 14-42
DATE: 02-15-16
DRAWN BY: NA
CHECKED BY: TM

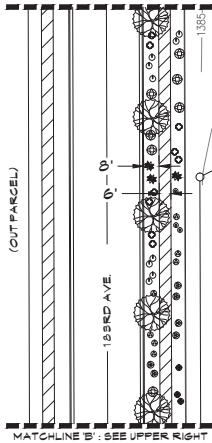
REVISIONS:

SHEET NO. L1.2
3 OF 13

PARCEL 6
SUBPARCEL 6D



MATCHLINE 'A' - SEE LOWER LEFT



CONSTRUCTION KEY NOTES

- 01 PROPERTY LINE (TYP.)
- 02 RIGHT OF WAY (TYP.)
- 03 PUBLIC UTILITY EASEMENT (TYP.)
- 04 FIRE HYDRANT (5' CLEAR ON ALL SIDES)
- 05 33' X 33' SIGHT VISIBILITY LINE
- 06 CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- 07 CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
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- 14 6" WIDE CONCRETE HEADER
- 15 AMENITIES/PLAYGROUND AREA
- 16 COMMUNITY ENTRANCE MONUMENT. SEE DETAIL 'F' ON SHEET L5.1. (ALSO SEE CIVIL PLANS/DETAILS).

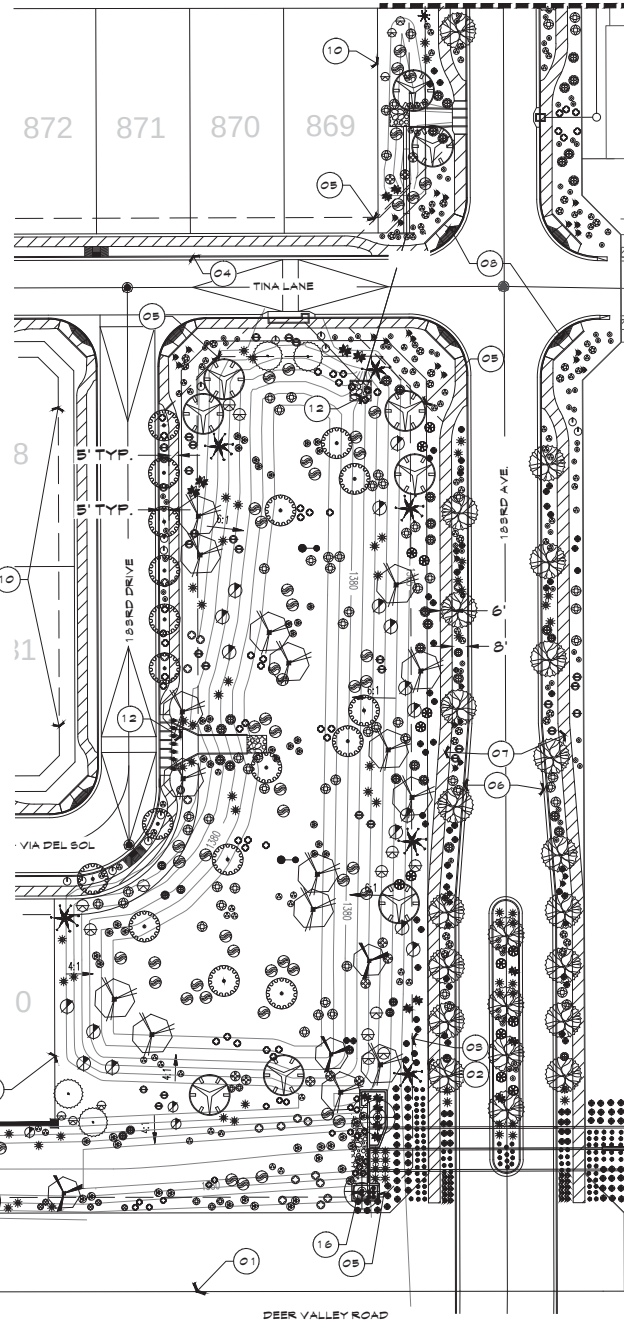
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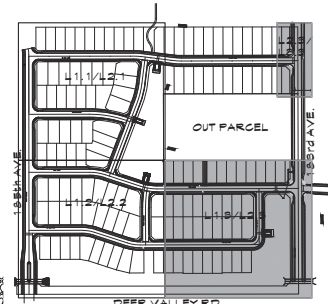
OUT PARCEL

MATCHLINE 'B' - SEE LOWER LEFT

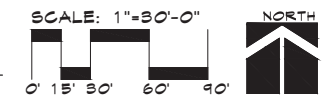


PLANT LEGEND

TREES	ACACIA ANEURA / MULGA
ACACIA SALICINA / NILLOW ACACIA	
CHLOPSIS SP. RIO SALADO / RIO SALADO DESERT NILLOW	
OLNEYA TESOTA / IRONWOOD	
OLNEYA TESOTA / IRONWOOD (BOX SIZE ON PLAN)	
PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE	
PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE	
PROSOPIS HYBRID 'AZT' / AZT THORNLESS MESQUITE	
SALVAGED TREE - SEE SALVAGE PLANS FOR TAG #	
SHRUBS	CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER
ENGELIA FARINOSA / BRITTLEBUSH	
HYPTIS EMORYI / DESERT LAVENDER	
JUSTICIA CALIFORNICA / CHUPAROSA	
LARREA TRIDENTATA / CREOSOTE BUSH	
LEUCOPHYLLUM LAEVIGATUM / CHIHUAHUA SAGE	
SIMMONDSIA CHINENSIS / JOJOBA	
SPHAERALCEA AMBIGUA / GLOBE MALLOW	
ACCENTS	ASAVE AMERICANA / AMERICAN ASAVE
ASAVE PARRII / PARRYS ASAVE	
ASCLEPIUS SUBULATA / DESERT MILKWEED	
BOUTELOUA GRACILIS / BLONDE AMBITION GRASS	
PASYLIRION WHEELERII / DESERT SPOON	
FOUQUERIA SPLENDENS / OCCOTILLO	
HEPERALOE PARVIFLORA / PERFA / BRACKLIGHTS RED YUCCA	
MUEHLBERGIA RISIGS / DEER GRASS	
OPUNTIA ENGELMANNI / NATIVE PRICKLY PEAR	
GROUND COVERS	AMBROSIA DELTOIDEA / TRIANGLE LEAF BUR-SAGE
BAILEYA MULTIRADIATA / DESERT MARIGOLD	
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FENSTEMON PARRII / PARRYS FENSTEMON	
TURF - MID-IRON BERMUDA SOD.	
DECOMPOSED GRANITE - TO BE DETERMINED BY OWNER.	
RIP-RAP - SEE CIVIL PLANS.	
6" CONCRETE HEADER - NATURAL COLOR	



KEY MAP



McGough Group
Landscape Architecture
Urban Design • Site Planning
Public and Recreational

11110 N Tatum Blvd.
Suite 100
Phoenix, Arizona
85038
602-997-9093
602-997-9091 fax
E-Mail: Thom@mcgough.com



PLANTING PLAN AUSTIN RANCH - PARCEL 4

189RD AVE & DEER VALLEY RD.
SURPRISE, AZ

PREPARED FOR: COURTLAND HOMES

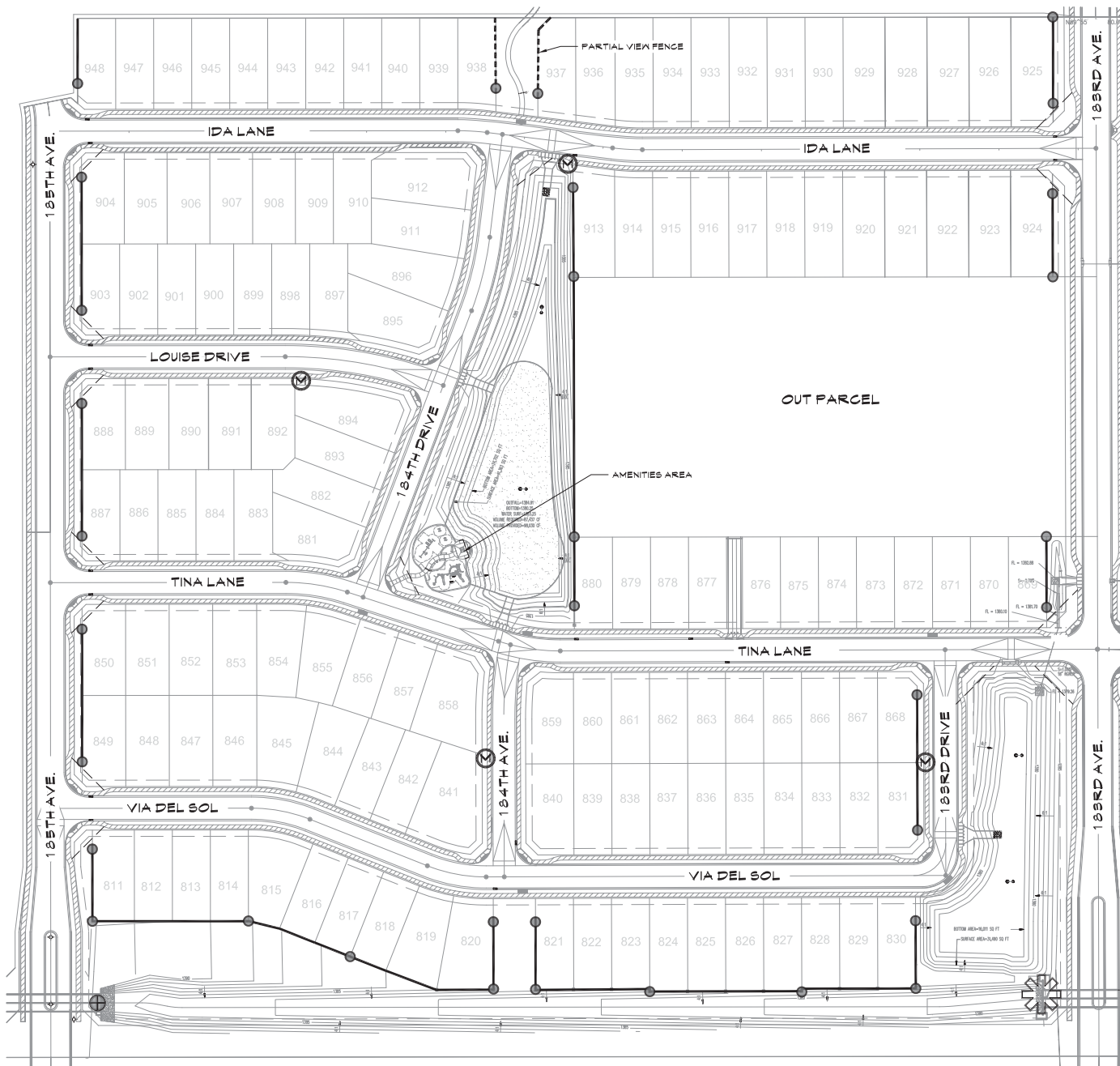
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JOB NO. 14-42
DATE: 02-15-16
DRAWN BY: NA
CHECKED BY: TM

REVISIONS:

SHEET NO.
L1.3
4 OF 13



DEER VALLEY RD.

PROJECT WALL KEY

	6" MIN. - 8" MAX. PROJECT THEME WALL - APPROX. 5,090 LF (SEE DETAIL 'A', SHEET L5.1)
	6" PROJECT PARTIAL VIEW WALL - APPROX. 200 LF (SEE DETAIL 'D', SHEET L5.1)
	PRIMARY THEME COLUMN- 33 TOTAL (SEE DETAIL 'C', SHEET L5.1)
	ENTRY MONUMENT (SEE DETAIL 'F', SHEET L5.1)
	SECONDARY THEME MONUMENT (SEE DETAIL 'E', SHEET L5.1)
	COMMUNITY MAILBOX CLUSTER - SEE DTL 'A' ON SHEET L5.2

NOTES:

1. ALL FOOTINGS, WALLS, FENCES AND THEME COLUMNS TO BE LOCATED OUTSIDE OF THE P.U.E., R.O.A. AND SITE VISIBILITY TRIANGLE EASEMENTS.
2. THEME COLUMNS ARE TO BE 25'-0" OFF THE BACK OF SIDEWALK. SOME THEME COLUMNS MAY HAVE TO BE LOCATED 30' OFF THE BACK OF SIDEWALK WHERE SITE VISIBILITY TRIANGLE EASEMENTS ARE PRESENT. CONTRACTOR TO INSTALL 6"X6" CONCRETE HEADER FROM THE FRONT OF THE COLUMN TO THE BACK OF THE SIDEWALK.
3. SIGN REQUIRES A SEPARATE PERMIT. DETAILS ARE FOR INFORMATION ONLY.
4. SEE CIVIL PLANS FOR RETAINING WALL LOCATIONS.
5. ALL PERIMETER AND INTERIOR WALLS NOT NOTED ABOVE SHALL BE STANDARD 4" X 8" X 16" CMU FENCE BLOCK.

SPECIAL NOTE:

BUILDER RESERVES THE RIGHT TO REVISE THE SPACING AND/OR QUANTITY OF THEME COLUMNS ON THE PROJECT. GET STRUCTURAL ENGINEERING APPROVAL FOR ANY CHANGES PRIOR TO CONSTRUCTION.

SCALE: 1"=60'-0"



WALL PLAN AUSTIN RANCH-PARCEL 4

183RD AVE & DEER VALLEY RD.
SURPRISE, AZ

PREPARED FOR: COURTLAND HOMES

McGough Group
Landscape Architecture
Urban Design • Site Analysis
Public and Recreation
11110 N Tatum Blvd.
Suite 100
Phoenix, Arizona
85028
602-997-0093
602-997-9031 fax
E-Mail: Tim@mg-gs.com

Professional Seal:
TIMOTHY J. MCGOUGH
LANDSCAPE ARCHITECT
NO. 000000000
STATE OF ARIZONA
EXPIRES 6-30-2018

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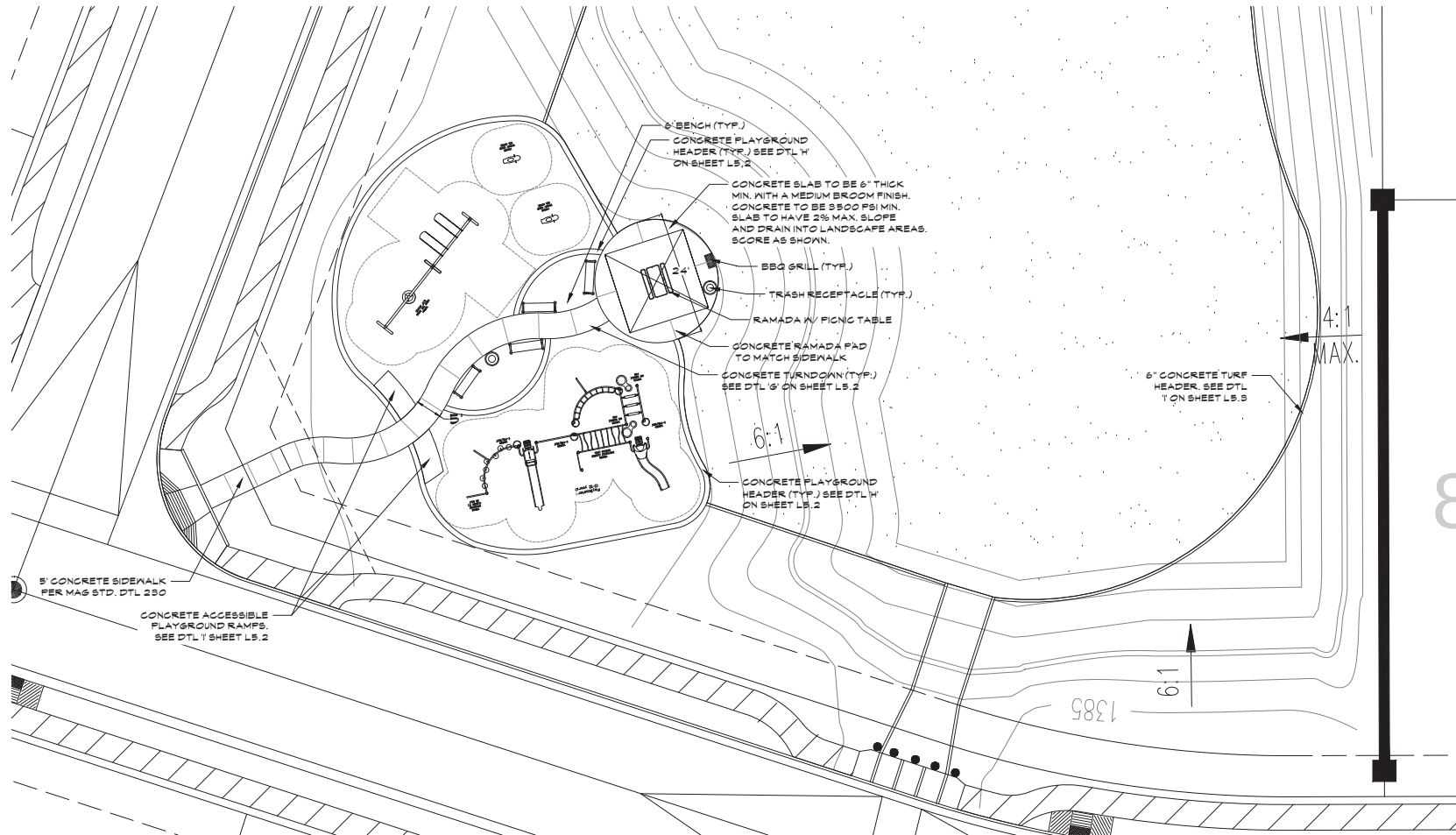
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JOB NO. 14-42
DATE: 02-15-16
DRAWN BY: NA
CHECKED BY: TM

REVISIONS:

SHEET NO. L3.1

8 OF 13



AMENITIES SCHEDULE

6' BENCH (QUANTITY: 4)
 MANUFACTURER: KABASH VALLEY
 CONTACT: DAVE BANG ASSOCIATES - 480-892-2266
 MODEL# CN420 (P) - ADD MC 104 TO EACH
 COLOR TO BE GREEN
 -SEE DETAIL "C" ON SHEET L5.2

TRASH RECEPTACLE (QUANTITY: 2)
 MANUFACTURER: KABASH VALLEY
 CONTACT: DAVE BANG ASSOCIATES - 480-892-2266
 MODEL# LR300 (P) - ADD MC 100, LR3 10, & LR 105 TO EACH
 COLOR TO BE GREEN
 -SEE DETAIL "E" ON SHEET L5.2

PICNIC TABLE (QUANTITY: 1)
 MANUFACTURER: KABASH VALLEY
 CONTACT: DAVE BANG ASSOCIATES - 480-892-2266
 MODEL# 56201 (P)
 COLOR TO BE GREEN
 -SEE DETAIL "B" ON SHEET L5.2

16' X 16' RAMADA (QUANTITY: 1)
 MANUFACTURER: CLASSIC RECREATION SYSTEMS, INC.
 CONTACT: EXERPLAY 1-800-457-5444
 MODEL: ORLANDO
 ROOF COLOR TO BE COOL FOREST GREEN
 FRAME COLOR TO BE TERRA BROWN
 -SEE DETAIL "F" ON SHEET L5.2

BBQ GRILL (QUANTITY: 1)
 MANUFACTURER: FIA ATHLETIC CMFS, CO
 CONTACT: DAVE BANG ASSOCIATES - 480-892-2266
 MODEL# 1140-00 (ADD 8803-00)
 (TO BE IN GROUND MOUNTED)
 -SEE DETAIL "D" ON SHEET L5.2

ENGINEERED WOOD FIBER
 - 2,156 SQ. FT. AT 12" DEPTH MIN.
 COLOR TO BE BROWN
 -SEE DTL'S "H1" ON SHEET L5.2
 NOTE: ANY RECOVERED/RECYCLED WOOD MULCH
 MUST COME FROM "PRE-CONSUMER" WOOD ONLY.

PLAY EQUIPMENT
 MANUFACTURER: LANDSCAPE STRUCTURES
 CONTACT: EXERPLAY 1-800-457-5444
 PLAY EQUIPMENT (QTY.) - ITEM DESCRIPTION - (PART #)
 (1) - PLAY STRUCTURE - (DESIGN# 3782)
 (1) - 5' ARCH TRE SWING - (120841)
 (1) - 5' ARCH SWING FRAME/5' BEAM HT. (117530A)
 (2) - BELT SEAT, PROGUARD CHAINS FOR 5' BEAM HT.
 - (114018A)
 (2) - WHIMSY RIDER - ZEBRA - (155534)
 (1) - WELCOME SIGN (LSI PROVIDED) AGES 5-12 YRS.
 DIRECT BURY - (182503C)

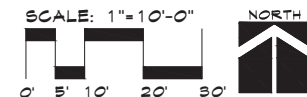
COLOR PALETTE: ALL EQUIPMENT TO BE PALETTE "H"
 COLOR 1: BROWN COLOR 2: LIMON
 COLOR 3: LEAF COLOR 4: LIMON

- INSTALL PER MANUFACTURERS SPECIFICATIONS
 - PLAYGROUND REPRESENTATIVE TO SUPPLY A SHOP
 DRAWING ILLUSTRATING COLOR PALETTE AND
 PLAYGROUND LAYOUT. SHOP DRAWING MUST
 HAVE OWNER/LANDSCAPE ARCHITECT APPROVAL
 PRIOR TO ORDERING/INSTALLATION.

MAILBOXES
 MANUFACTURER: FLORENCE MANUFACTURING COMPANY
 CONTACT: EXTERIOR SYSTEMS (480) 940-3909
 PRODUCT# VITAL SERIES CLUSTER BOX UNITS
 - COLOR TO BE DARK BRONZE
 -SEE DETAIL "A" ON SHEET L5.2

- UNITS, UNIT QUANTITIES AND UNIT LOCATIONS MUST BE
 APPROVED BY USFS.

LOW VOLTAGE LIGHTING
 SEE DETAIL "F" ON SHEET L5.1 FOR LOW VOLTAGE
 LIGHTING SPECIFICATIONS AND LAYOUT.



McGough Group
 Landscape Architect
 Urban Design • Site Planning
 Parks and Recreation

11110 N Tatum Blvd.
 Suite 100
 Phoenix, Arizona
 85008
 602-997-9093
 602-997-9031 fax
 E-Mail: Thom@mg-az.com



AMENITIES SCHEDULE AUSTIN RANCH - PARCEL 4

189RD AVE & DEER VALLEY RD.
 SURPRISE, AZ

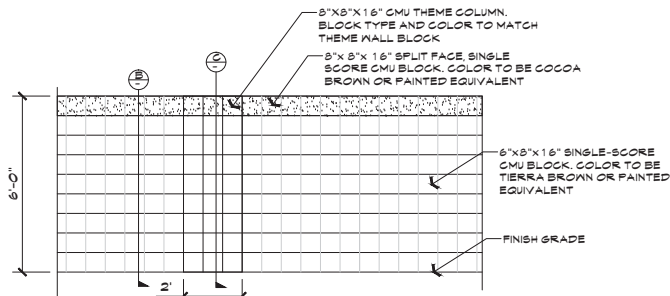
PREPARED FOR: COURTLAND HOMES

These drawings, as legal instruments
 of professional services are, and
 shall remain the property of the
 landscape architect.
 These drawings shall not be used on
 other projects or for additions to
 this project except by written
 agreement from the landscape
 architect.

JOB NO. 14-42
 DATE: 02-15-16
 DRAWN BY: NA
 CHECKED BY: TM

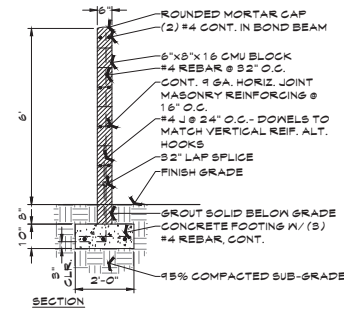
REVISIONS:

SHEET NO.
L4.1



A THEME WALL & COLUMN ELEVATION

SCALE: 1/2"=1'-0"

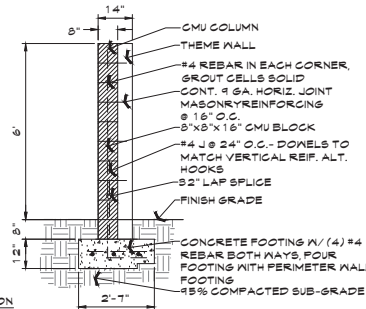


B THEME WALL DETAIL

SCALE: 1/2"=1'-0"

SPECIAL NOTES (ALL DETAILS ON SHEET):

1. DETAILS FOR AESTHETIC/MATERIAL REFERENCE ONLY; STRUCTURAL DETAILS REQUIRED PRIOR TO CONSTRUCTION.
2. SIGN SHOWN FOR REFERENCE ONLY. SIGN REQUIRES A SEPARATE PERMIT.
3. SHOP DRAWINGS ARE REQUIRED PRIOR TO CONSTRUCTION.
4. ALL WROUGHT IRON TO BE PAINTED WITH EPOXY PRIMER AND THEN WITH URETHANE ELECTROSTATICALLY APPLIED. FINISH COAT AND COLOR TO MATCH SPECIFICATION.
5. ALL ALTERNATE OR EQUIVALENT SUBSTITUTIONS MUST BE APPROVED BY OWNER OR LANDSCAPE ARCHITECT.



C THEME COLUMN DETAIL

SECTION

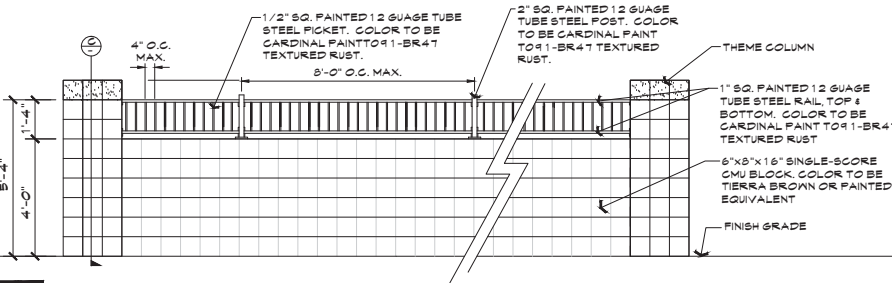
STREET SIDE

PLAN VIEW

LOT SIDE

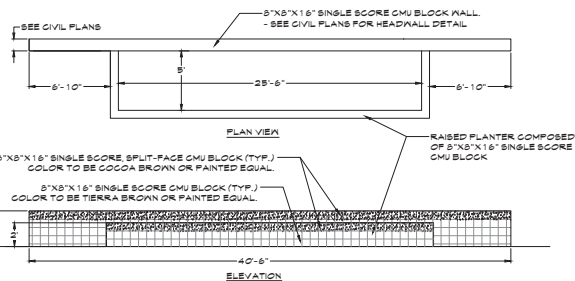
PLAN VIEW

SCALE: 1/2"=1'-0"



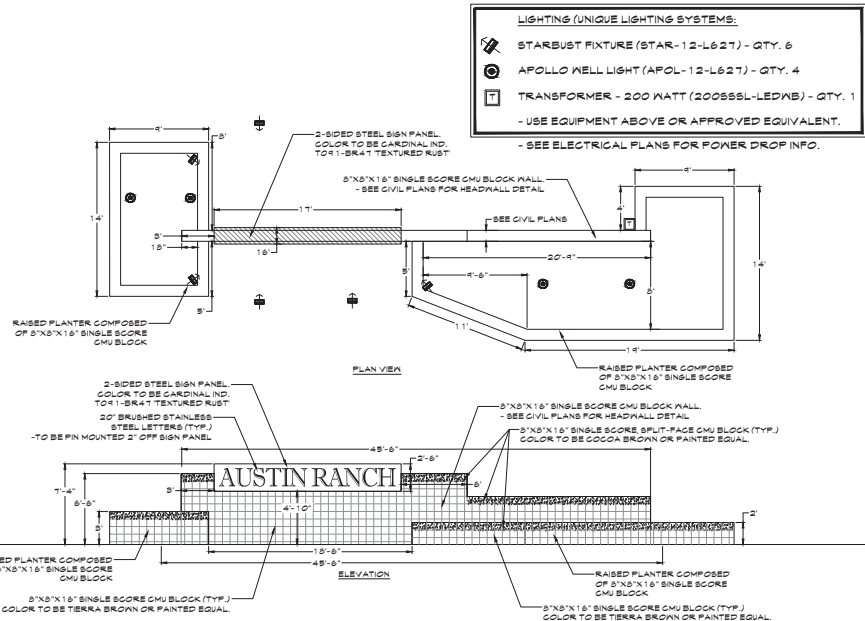
D PARTIAL VIEW FENCE

SCALE: 1/2"=1'-0"



E SECONDARY THEME MONUMENT DETAIL

SCALE: NTS



F PRIMARY ENTRANCE MONUMENT DETAIL

SCALE: 3/8"=1'

LIGHTING (UNIQUE LIGHTING SYSTEMS):

- STARBUST FIXTURE (STAR-12-L627) - QTY. 6
- APOLLO WELL LIGHT (APOL-12-L627) - QTY. 4
- TRANSFORMER - 200 WATT (200SSSL-LEDNB) - QTY. 1
- USE EQUIPMENT ABOVE OR APPROVED EQUIVALENT.
- SEE ELECTRICAL PLANS FOR POWER DROP INFO.

**HARDSCAPE DETAILS
AUSTIN RANCH- PARCEL 4**

189RD AVE & DEER VALLEY RD.
SURPRISE, AZ

PREPARED FOR: COURTLAND HOMES

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JOB NO. 14-42
DATE: 02-15-16
DRAWN BY: NA
CHECKED BY: TM

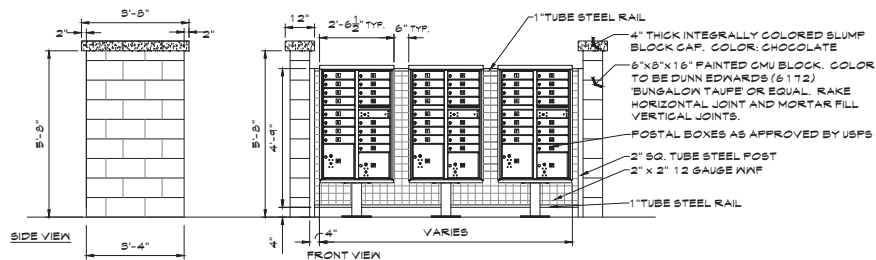
REVISIONS:

SHEET NO. L5.1
10 OF 13

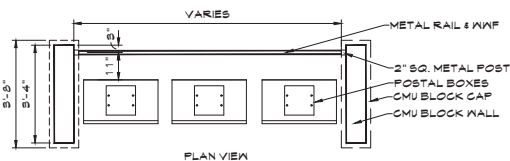
McGough Group

Landscape Architecture
Urban Design • Site Planning
Public and Recreational
11110 N Tatum Blvd.
Suite 100
Phoenix, Arizona
85028
602-997-9093
602-997-9031 fax
E-Mail: Trans-Ring-az.com



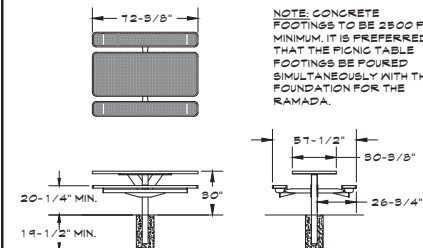


ALL STEEL TO BE CARDINAL INDUSTRIES COLOR TEXTURED RUST (TO 91-BR47), (OR AN APPROVED EQUIVALENT).



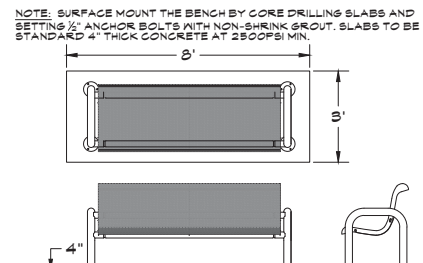
A MAILBOX DETAIL

SCALE: 1/4" = 1'-0"



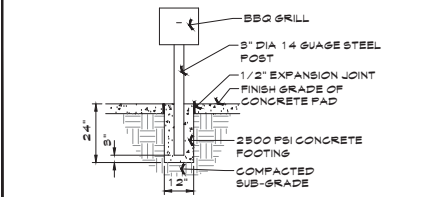
B PICNIC TABLE

SCALE: NTS



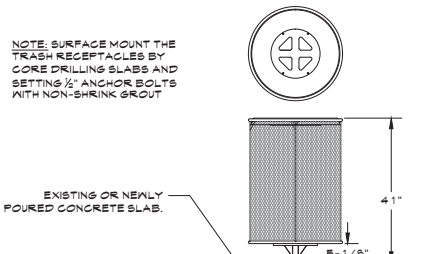
C 6' BENCH

SCALE: NTS



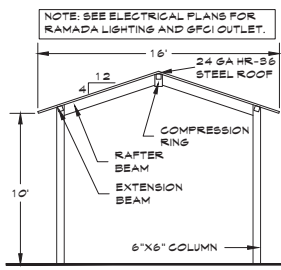
D BBQ GRILL

SCALE: 1/4" = 1'-0"

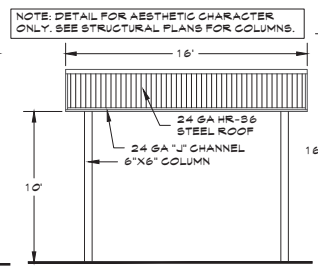


E TRASH RECEPTACLE

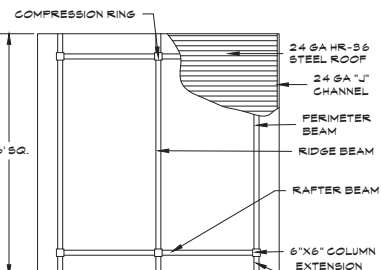
SCALE: NTS



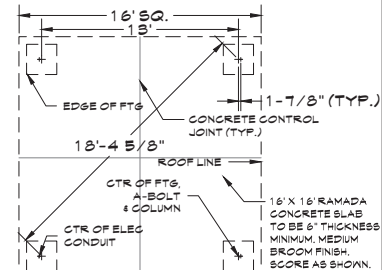
F 16' X 16' ORLANDO RAMADA (NOT FOR CONSTRUCTION)



G 16' X 16' ORLANDO RAMADA (NOT FOR CONSTRUCTION)



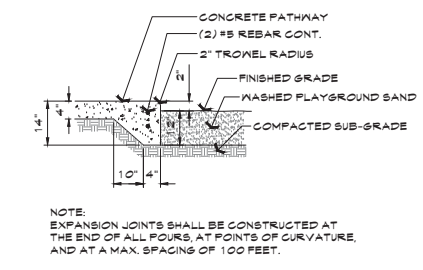
H 16' X 16' ORLANDO RAMADA (NOT FOR CONSTRUCTION)



I 16' X 16' ORLANDO RAMADA (NOT FOR CONSTRUCTION)

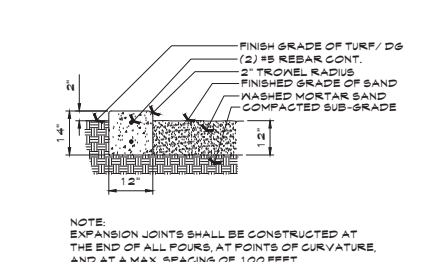
CONCRETE FOOTING DESIGN PER MANUFACTURER'S SPEC.

SCALE: NTS



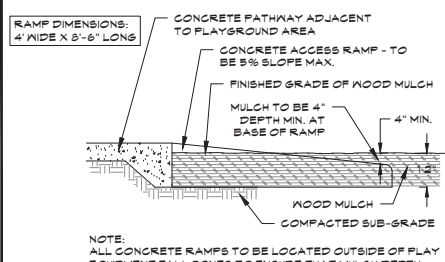
J CONCRETE PLAYGROUND TURNDOWN

SCALE: NTS



K CONCRETE PLAYGROUND HEADER

SCALE: NTS



L CONCRETE PLAYGROUND RAMP

SCALE: NTS

SPECIAL NOTES (ALL DETAILS ON SHEET):

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M NOTES

SCALE: NTS

McGough Group
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Site Design • Site Planning
Public and Recreation
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Phoenix, Arizona
85028
602-997-9090
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E-Mail: TM@mcgough-az.com



**HARDSCAPE DETAILS
AUSTIN RANCH-PARCEL 4
1890 RD AVE & DEER VALLEY RD.
SURPRISE, AZ**

PREPARED FOR: COURTLAND HOMES

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JOB NO. 14-42
DATE: 02-18-16
DRAWN BY: NA
CHECKED BY: TM

REVISIONS:

SHEET NO. **L5.2**
11 OF 13

Austin Ranch Parcel 4

The Mayor and City Council

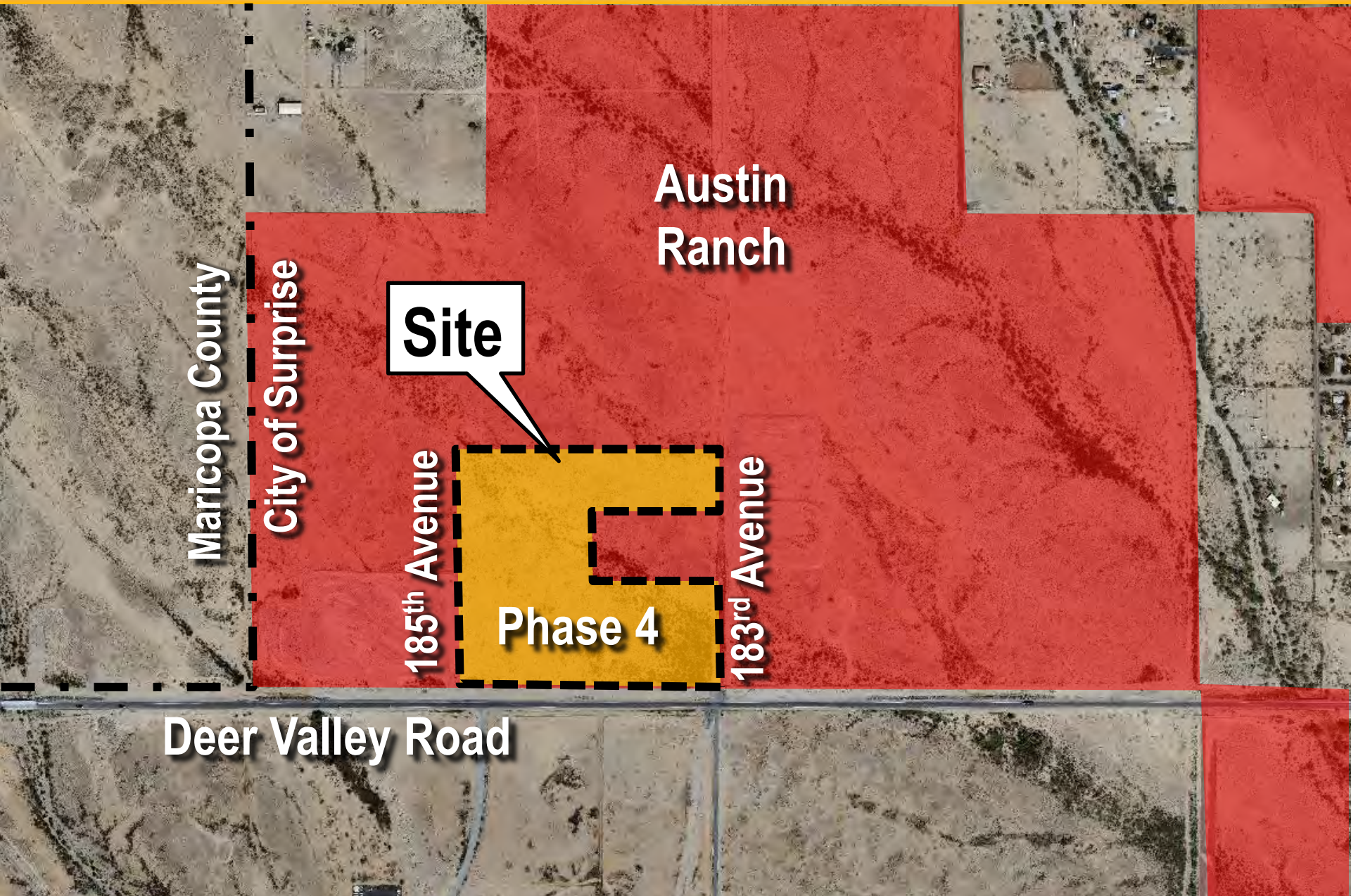
April 5, 2016



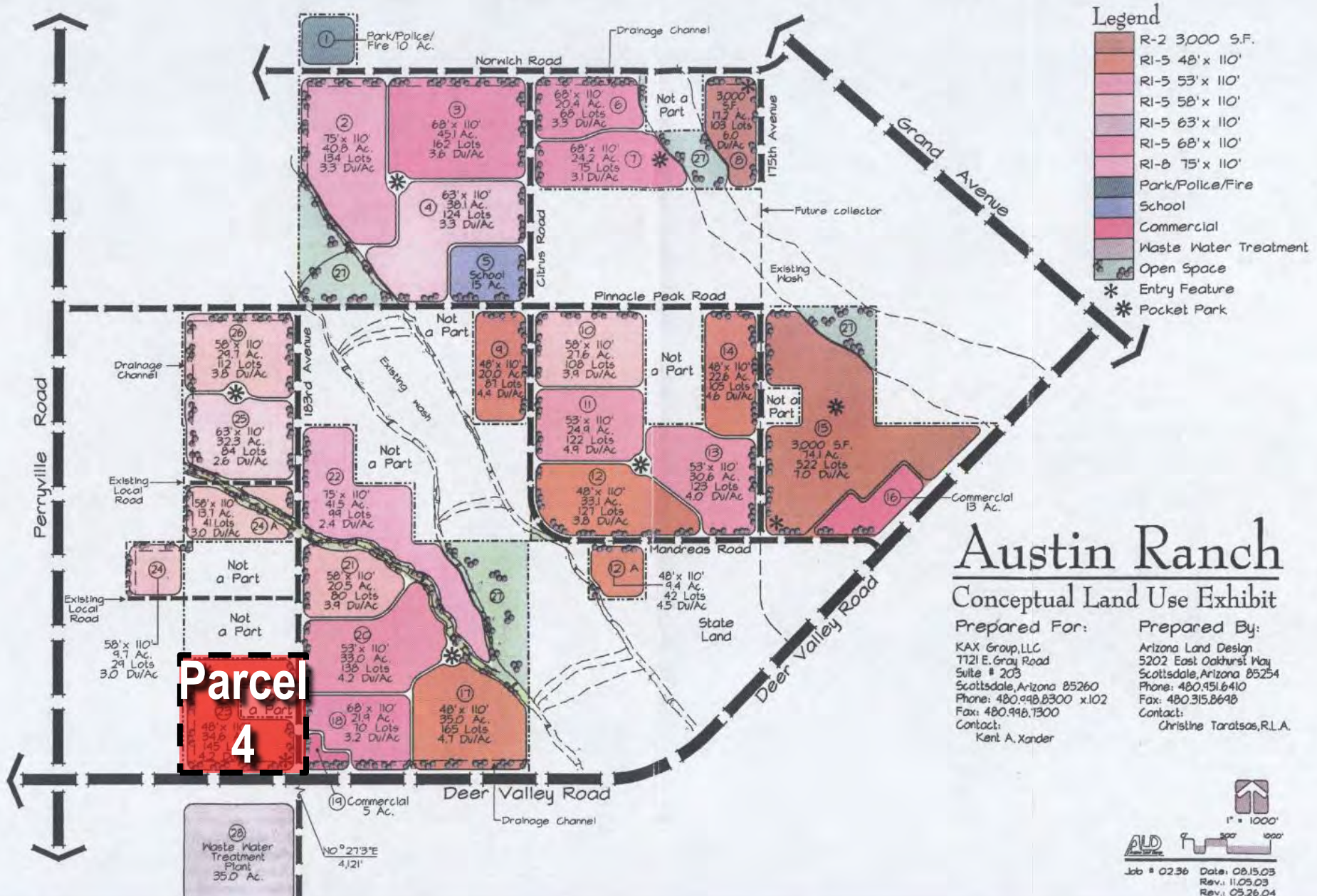
VICINITY MAP – AUSTIN RANCH



VICINITY MAP – PHASE 4



Parcel 4



Austin Ranch

Conceptual Land Use Exhibit

Prepared For:
KAX Group, LLC
7721 E. Gray Road
Suite # 203
Scottsdale, Arizona 85260
Phone: 480.998.8300 x.102
Fax: 480.998.1300
Contact:
Kent A. Xander

Prepared By:
Arizona Land Design
5202 East Oakhurst Way
Scottsdale, Arizona 85254
Phone: 480.951.6410
Fax: 480.315.8698
Contact:
Christine Taratsas, R.L.A.

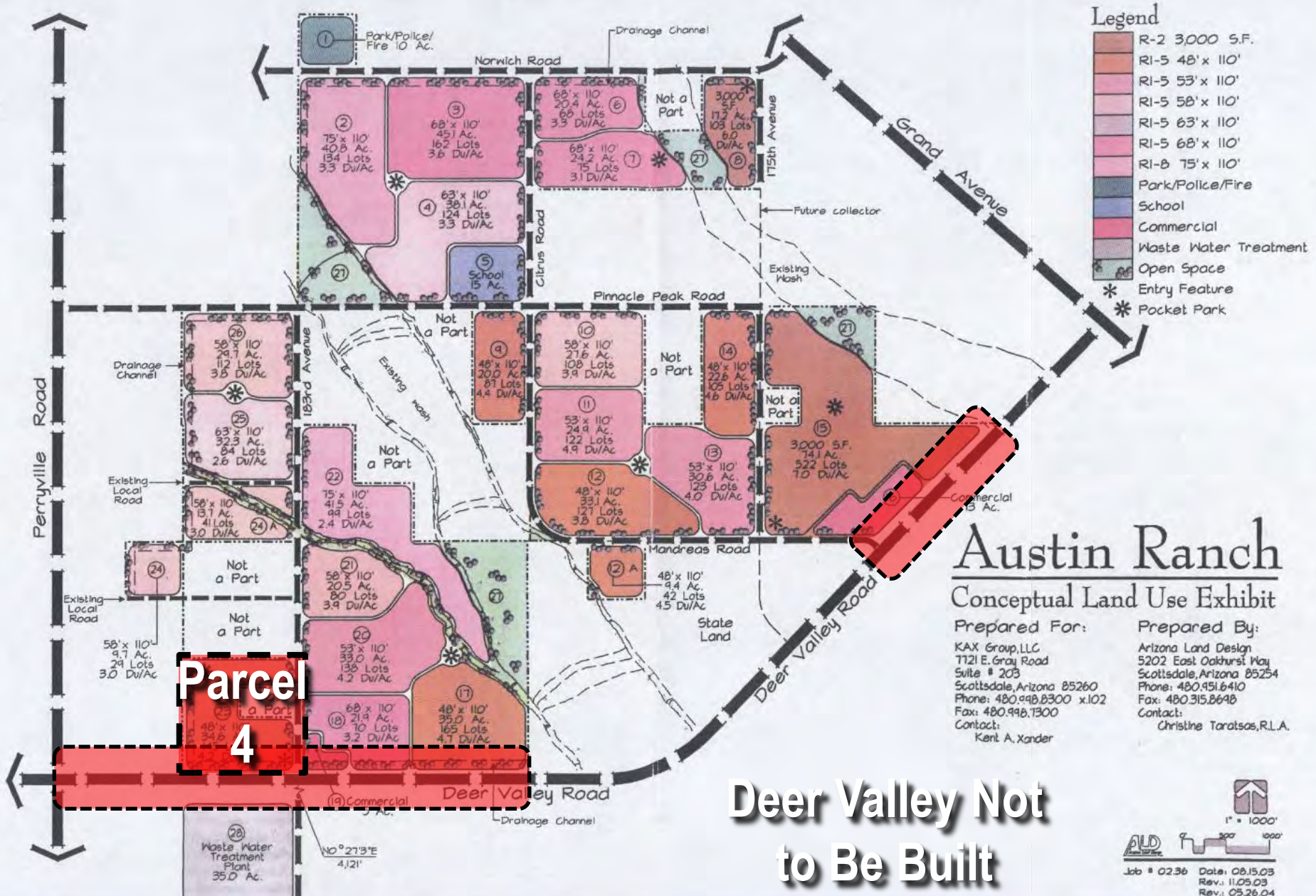


Job # 0236 Date: 08.15.03
Rev.: 11.05.03
Rev.: 05.26.04

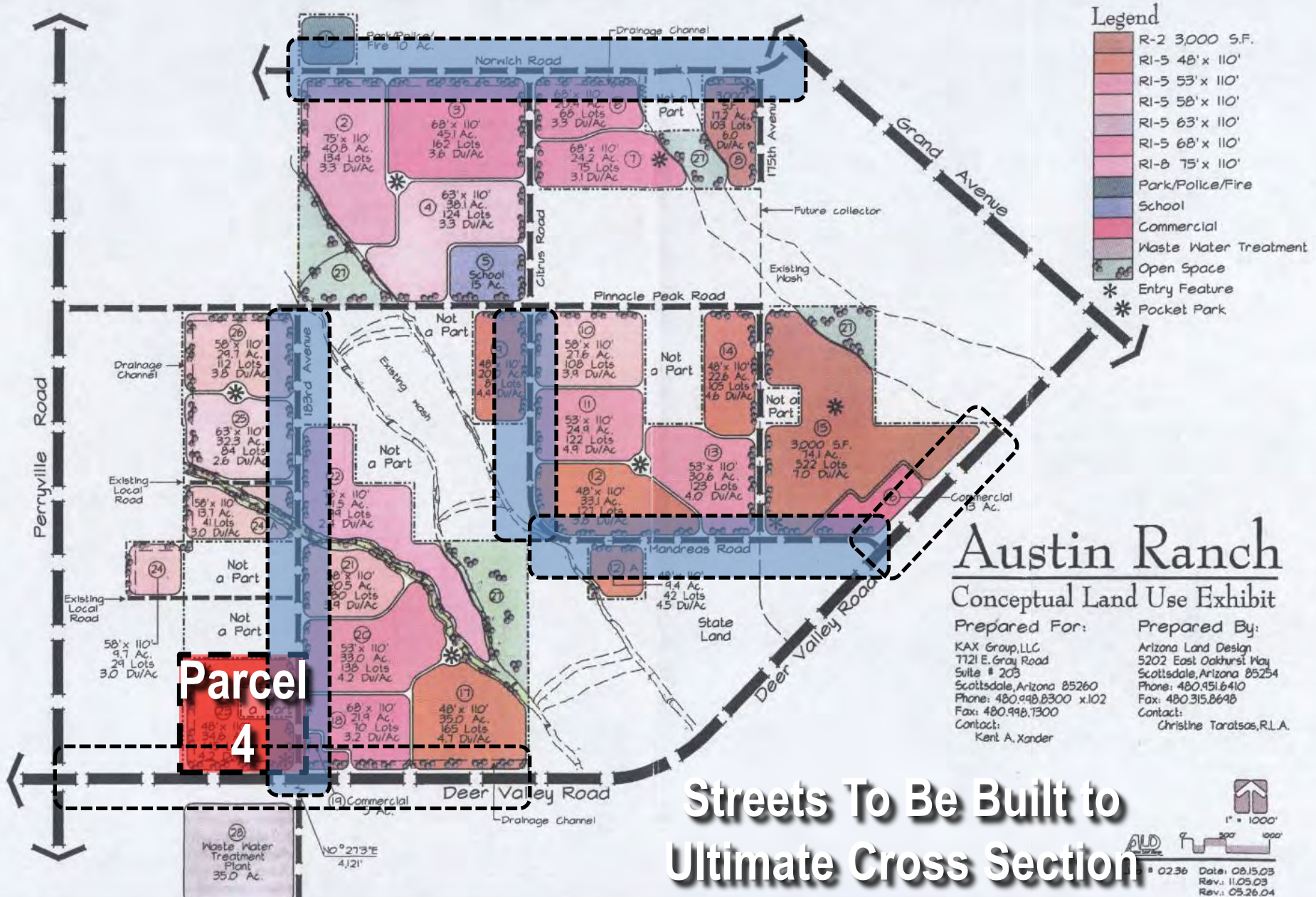
DEER VALLEY NOT TO BE BUILT



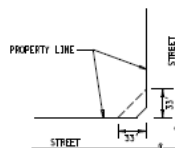
SURPRISE
ARIZONA



STREETS TO ULTIMATE CROSS SECTION



A SUBDIVISION OF A PART OF SECTION 15 TOWNSHIP 4 NORTH, RANGE 2 WEST,
OF THE GILA AND SALT RIVER MERIDIAN,
MARICOPA COUNTY, ARIZONA.



1 VISIBILITY TRIANGLE DETAIL
NOT TO SCALE

ANY OBJECT, WALL, STRUCTURE, WOUND OR LANDSCAPING (MATURE OVER 24" IN HEIGHT IS NOT ALLOWED WITHIN THE VISIBILITY EASEMENT. TREE CANOPIES OVERHANGING THE EASEMENT, SHALL BE KEPT TRIMMED TO THE HEIGHT NO LESS THAN 7".

TRACT INFORMATION CHART		
TRACT	DESCRIPTION	AREA
AH	DRAINAGE / LANDSCAPING / P.U.E.	0.85 AC
I	DRAINAGE / LANDSCAPING / P.U.E.	3.48 AC
J	DRAINAGE / LANDSCAPING / P.U.E.	0.88 AC
KK	DRAINAGE / LANDSCAPING / P.U.E.	1.83 AC
LL	LANDSCAPING / P.U.E.	0.85 AC
MM	LANDSCAPING / P.U.E.	0.85 AC
NN	LANDSCAPING / P.U.E.	0.85 AC
OO	LANDSCAPING / P.U.E.	0.94 AC
PP	LANDSCAPING / P.U.E.	0.94 AC
QQ	DRAINAGE / LANDSCAPING / P.U.E.	0.16 AC
TOTAL TRACT AREA		5.78 AC

LEGAL DESCRIPTION OF
AUSTIN RANCH - PARCEL A

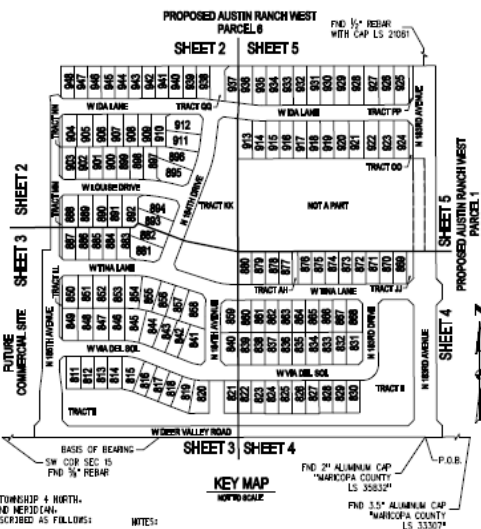
BEING A PART OF THE SOUTH HALF OF SECTION 15, TOWNSHIP 4 NORTH,
RANGE 2 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN,
MARICOPA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS

DESIGNATED AT THE SOUTH QUARTER CORNER OF SAID SECTION 15A
 THENCE S 89°56'08" W, COINCIDENT WITH THE SOUTH LINE OF THE
 SOUTHWEST QUARTER OF SAID SECTION 15A, A DISTANCE OF 1363.49 FEET
 TO A POINT OF CURVATURE
 THENCE S 42°24'40" W, A DISTANCE OF 452.24 FEET
 THENCE N 44°36'15" E, A DISTANCE OF 28.45 FEET
 THENCE N 00°03'52" W, A DISTANCE OF 90.40 FEET
 THENCE S 08°55'28" E, A DISTANCE OF 100.00 FEET
 THENCE N 00°03'52" W, A DISTANCE OF 422.80 FEET
 THENCE N 89°56'08" E, A DISTANCE OF 30.00 FEET
 THENCE N 00°03'52" W, A DISTANCE OF 513.71 FEET
 TO A POINT OF CURVATURE
 THENCE S 89°56'08" E, A DISTANCE OF 150.00 FEET, THROUGH AN ARCTIC
 ANGLE OF 111°12'22" ARC DISTANCE OF 29.34 FEET
 TO A POINT OF CURVATURE
 THENCE S 78°43'45" E, A DISTANCE OF 10.00 FEET
 THENCE S 49°28'25" E, A DISTANCE OF 11.32 FEET
 THENCE N 00°03'52" W, A DISTANCE OF 107.42 FEET
 THENCE N 89°55'14" E, A DISTANCE OF 1325.81 FEET
 THENCE S 00°10'51" E, A DISTANCE OF 55.01 FEET
 THENCE S 44°35'50" E, A DISTANCE OF 28.24 FEET
 THENCE S 00°10'51" E, A DISTANCE OF 95.01 FEET
 THENCE S 42°24'40" W, A DISTANCE OF 452.24 FEET
 THENCE S 00°10'51" E, A DISTANCE OF 405.84 FEET
 THENCE S 45°06'21" E, A DISTANCE OF 28.32 FEET
 THENCE S 00°10'51" E, A DISTANCE OF 39.98 FEET TO A POINT ON
 THE SOUTH LINE OF SAID SECTION 15A
 THENCE S 89°57'47" E, COINCIDENT WITH THE SOUTH LINE OF THE
 SOUTHWEST QUARTER OF SAID SECTION 15A, A DISTANCE OF 40.00 FEET TO

EXCEPT ANY PART LYING WITHIN THE FOLLOWING DESCRIBED PROPERTY:

BEING A PART OF THE SOUTHWEST QUARTER OF SAID SECTION 15,
MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 15;
THENCE N 0°10'51" W. COORD(CO)IT WITH THE EAST LINE OF SAID
SOUTHWEST QUARTER, A DISTANCE OF 656.16 FEET TO THE TRUE POINT
OF BEGINNING OF THE PARCEL HEREIN DESCRIBED;
THENCE S 89°55'41" W. A DISTANCE OF 660.83 FEET;
THENCE W 0°10'20" W. A DISTANCE OF 327.92 FEET;
THENCE W 89°55'27" E. A DISTANCE OF 660.78 FEET TO A POINT ON
THE EAST LINE OF SAID SOUTHWEST QUARTER;
THENCE S 0°10'51" E. COORD(CO)IT WITH SAID EAST LINE,
A DISTANCE OF 327.97 FEET TO THE TRUE POINT OF BEGINNING.

CONTAINING IN AREA 1,592,298 SQUARE FEET OR 36.55 ACRES
MORE OR LESS.



HITTES:

1. NO STRUCTURES OF ANY KIND MAY BE CONSTRUCTED OR ANY VEGETATION BE PLANTED NOR BE ALLOWED TO GROW WITHIN THE DRAINAGE EASEMENT WHICH WOULD IMPEDER THE FLOW OF WATER OVER, UNDER OR THROUGH THE EASEMENT.
2. NO STRUCTURE OF ANY KIND SHALL BE CONSTRUCTED OR PLACED OVER OR PLACED WITHIN THE SEWER AND WATER EASEMENT EXCEPT WOOD, WIRE, OR REMAINABLE SECTION TYPE FENCING AND/OR FENCING, NOR ANY FENCING EXCEPT SLATS. IT SHALL BE FURTHER UNDERSTANDING THAT THE CITY OF ALBUQUERQUE, NEW MEXICO SHALL NOT BE REQUIRED TO REPLACE ANY OBSTRUCTIONS, SHRUBS AND GRASSING COVER THAT MUST BE REMOVED DURING THE COURSE OF MAINTENANCE, CONSTRUCTION OR RECONSTRUCTION OF CITY UTILITY LINES.
3. CONSTRUCTION WITHIN UTILITY EASEMENTS SHALL BE LIMITED TO UTILITIES, WIRE, FENCE, OR REMAINABLE SECTION TYPE FENCING.
4. ALL NEW OR RELOCATED UTILITIES WILL BE PLACED UNDERGROUND.
5. STRUCTURES AND LANDSCAPING AT ALL INTERSECTIONS OF STREET FRONTAGES 40' WIDE WILL BE MAINTAINED AT A MAXIMUM OF 2" IN HEIGHT WITHIN A 35' X 35' TRIANGLE REQUIRING ALONG THE RIGHT-OF-WAY LINES.
6. EACH LOT ON THIS SUBDIVISION IS PERMITTED ONE CHILLING UNIT PER LOT.
7. ALL EASEMENTS ARE SUBORDINATE TO THE DRAINAGE EASEMENTS.
8. THE PROPERTY IS LOCATED WITHIN AN AREA HAVING PLUMB "A", "B" OR "C" FEDERAL OVERSIGHT INSURANCE RATES. THE CITY OF ALBUQUERQUE, NEW MEXICO HAS ADOPTED THE NEW MEXICO INSURANCE RATE MAP NO. 04001312502L AND 0400131251L, THE DATE OF IDENTIFICATION OF OCTOBER 16, 2013. FOR COMMUNITY MAP NO. 04001312502L AND 0400131251L, THE CITY OF ALBUQUERQUE, NEW MEXICO IS THE CURRENT PLUMB INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH SAID PROPERTY IS SITUATED.
9. THE PROPERTY OWNERS, OR ANY SUBSEQUENT OWNERS SHALL NOT PROCEED WITH ANY SITE GRADING OR ELEVATION WITHOUT FIRST OBTAINING A PERMIT FROM THE CITY OF ALBUQUERQUE ENGINEERING DEPARTMENT.
10. IN ACCORDANCE WITH APS 9-1-401.01, THE CITY OF ALBUQUERQUE HAS DETERMINED THAT THE CITY OF ALBUQUERQUE IS AN "AT-RISK" CITY WITH THE SURFISSE FLOOD PLAIN.
11. PURSUANT TO APS 9-2-1102, THE CITY OF ALBUQUERQUE, A POLITICAL SUBDIVISION OF THE STATE OF ARIZONA, IS EXEMPT FROM ALL TAXES AND ASSESSMENTS.

NOTE:

TOTAL ACREAGE = 36.35 ACRES MORE OR LESS

TOTAL LOTS = 138
EXISTING ZONING: P.A.D
FORM MAP #04D13C1205L
FORM MAP #04D13C1215L
OCTOBER 16, 2013

THE SETBACKS AND DIMENSIONAL REQUIREMENTS FOR PRIMARY AND ACCESSORY USES AND STRUCTURES APPROVED IN THE JUSTIN RANCH PLANNED AREA DEVELOPMENT (PAD) DOCUMENT THAT WAS PASSED BY THE MAYOR AND CITY COUNCIL ON MAY 27, 2004, WILL DETERMINE THE SETBACKS AND DIMENSIONAL REQUIREMENTS. THE SETBACKS AND/OR DIMENSIONAL REQUIREMENTS FOR PRIMARY AND ACCESSORY USES AND STRUCTURES ARE NOT SPECIFIED IN THE PAD. THE CITY OF SURREY MUNICIPAL CODE IN PLACE AT THE TIME OF BUILDING PERMIT APPLICATION WILL DETERMINE SUCH SETBACKS AND DIMENSIONAL REQUIREMENTS.

LEGEND

- | | |
|---|---|
| _____ | PLAT BOUNDARY |
| _____ | CENTERLINE |
| _____ | RIGHT-OF-WAY |
| _____ | EASEMENT |
|  | CORNER OF THIS PLAT
DOES NEED TO BE SET BY OTHERS
AFTER CONSTRUCTION |
|  | FOUND MONUMENT AS NOTED |
|  | STREET CULMINATION (ARCS CAP
WAS STILL SET TYPE "M" TO BE SET
BY OTHERS AFTER CONSTRUCTION) |
| V.N.A.E. | VEHICULAR NON-ACCESS EASEMENT |
| P.U.E. | PUBLIC UTILITY EASEMENT |
| (R) | RADIAL BEARING |
|  | SIGHT VISIBILITY EASEMENT |
| R/W | RIGHT OF WAY |

OWNER

AUSTEN RANCH, LLC
CONTACT: HANS KOPPEHNEFFER
4160 W. KETTY HARK
CHANDLER, ARIZONA 85226
PHONE: (480) 693-7515
EMAIL: HANS.KOPPEHNEFFER@COURTLANDHOMES.COM

BASIS OF BEARING

THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 15,
TOWNSHIP 4 NORTH, RANGE 2 WEST, OF THE GILA AND SALT RIVER
BASE AND MERIDIAN, USING NGS PUBLISHED COORDINATES, AS
SHOWN ON THE ALTA/ACSW LAND SURVEY TITLE SURVEY, AS
RECORDED IN BOOK 590 OF MAPS AT PAGE 42, OF THE RECORDS
MARICOPA COUNTY, ARIZONA,
SAID BEARING BEING: SOUTH 89°56'08" WEST.

100 YEAR ASSURED WATER SUPPLY

THE OWNER HAS OBTAINED A CERTIFICATE OF 100 YEAR ASSURED SUPPLY FROM THE DEPARTMENT OF WATER RESOURCES

27-102121-0000	JUNE 13, 2007
CERTIFICATE NUMBER	DATE

CERTIFICATION

THIS IS TO CERTIFY THAT THE SURVEY AND SUBDIVISION OF THE PREMISES DESCRIBED AND PLATTED HEREON WAS MADE UNDER MY DIRECTION DURING THE MONTH OF OCTOBER, 2013; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN; THAT THE MONUMENTS SHOWN ACTUALLY EXIST OR WILL BE SET AS SHOWN; THAT THEIR POSITIONS ARE CORRECTLY SHOWN; AND THAT SAID MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

BY: MICHAEL J. THOLL
REGISTERED LAND SURVEYOR
REGISTRATION # 22087

RELEASE OF LIBRARY COPY

AUSTIN RANCH, LLC, AN ARIZONA LIMITED LIABILITY COMPANY ("OWNER") DOES HEREBY (1) RELEASE AND DISCHARGE THE U.S.A.F. AND THE CITY OF DURHAM ("CITY"), AND (2) INDEMNIFY, DEFEND, AND HOLD HARMLESS THE CITY AND THE U.S.A.F. FROM AND AGAINST ALL LIABILITY, INCLUDING REASONABLE ATTORNEY'S FEES, FOR ANY AND ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, THAT MAY BE ASSERTED AGAINST OR INCURRED BY THE CITY OR THE U.S.A.F. AT ANY TIME IN THE FUTURE, OVER, OR IN CONNECTION WITH AIRCRAFT OVERFLIGHTS FROM AIRCRAFT UTILIZING LIQUID AIR PURGE BARGE. DISTRICT COURT OF THE JUDICIAL DISTRICT OF THE STATE OF ARIZONA, PHOENIX, ARIZONA. FUEL, OIL, AND LIQUID PARTICLES, AND ALL OTHER EFFECTS THAT MAY BE CAUSED BY THE OPERATION OF AIRCRAFT LAUNCHING ST, OR TAKING OFF, OR OPERATING ON OR IN LINE AIR FORCE BASE, OR IN CONNECTION WITH THE OPERATION OF AIRCRAFT, FROM OWNER AND ITS HEIRS, ASSIGNS, AND SUCCESSORS IN THE INTEREST TO THIS PLAY OF ANY PART OF OR UNDER THIS INSTRUMENT. THIS INSTRUMENT SHALL BE VALID AND ENFORCEABLE FOR DAMAGE OR INJURY TO PERSONS OR PROPERTY CAUSED BY FALLING FROM AIRCRAFT OR FALLING PHYSICAL OBJECTS FROM AIRCRAFT, EXCEPT AS STATED HEREIN WITH RESPECT TO NOISE, FUMES, DUST, FUEL, AND LIQUID PARTICLES.

PUBLIC NOTICE

THE LOTS DEPICTED ON THIS PLAT ARE LOCATED WITHIN THE VICINITY OF WAKE AIR FORCE BASE AND MAY BE SUBJECT TO OVERTIGHTS BY JET AIRCRAFT. ALL STRUCTURES WITHIN THIS PLAT SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE SOUND ATTENUATION STANDARDS ADOPTED BY THE CITY OF SURPRISE. A MAP DEPICTING THE MOST CURRENT ADOPTEE N.A.G. NOISE CONTOURS IN RELATION TO THIS PLAT SHALL BE DISPLAYED ON ALL SALES OFFICES. ADDITIONAL INFORMATION MAY BE OBTAINED BY CONTACTING THE CITY OF SURPRISE COMMUNITY DEVELOPMENT DEPARTMENT.

LIMITATION ON THE ISSUANCE OF CERTIFICATES OF OCCUPANCY

THE LOTS AND BLOCKS CREATED, DEFINED OR DEPECTED ON THIS PLAN ARE SUBJECT TO A LIMITATION ON THE ISSUANCE OF CERTIFICATES OF OCCUPANCY AS SET FORTH WITH THE SURVEY MAPS (LOCAL CODE, NO. 100-100-0000) OF THE CITY OF CHICAGO. THE CITY OF CHICAGO, BY DEED OR PARCEL IN THIS PLAN UNTIL THE CITY OF CHICAGO ("CITY") HAS ISSUED A CERTIFICATE OF OCCUPANCY, THE CITY WILL NOT ISSUE A CERTIFICATE OF OCCUPANCY UNTIL ALL ON-SITE IMPROVEMENTS SUBJECT TO CERTIFICATE OF OCCUPANCY PRICES HAVE BEEN COMPLETED AND CONSTRUCTIONALLY ACCEPTED BY THE CITY. THIS LIMITATION MAY BE RELEASED IN PHASES. A PROSPECTIVE BUYER OF A LOT OR PARCEL SHOULD REQUIRE THE SELLER TO PRODUCE A RELEASE FROM THE CITY OF CHICAGO, IN WRITING, PRIOR TO PURCHASING OR CLOSING ESCROW ON ANY LOT OR PARCEL. FAILURE TO OBTAIN SUCH A RELEASE OF THIS LIMITATION MAY RESULT IN THE BUYER BEING PROHIBITED FROM OCCUPYING THE HOUSE OR STRUCTURE ON THE LOT.

APPROVALS

(CERTIFICATE OF APPROVAL OF THE CITY ENGINEER:
DATA ON THIS PLAT REVIEWED AND APPROVED THIS
_____ DAY OF _____, 20____.
BY THE CITY ENGINEER OF SURPRISE, ARIZONA.

CITY ENGINEER

CERTIFICATE OF ACCEPTANCE AND APPROVAL BY THE CITY COUNCIL:
APPROVED BY THE CITY COUNCIL OF THE CITY OF SURPRISE, ARIZONA,
THIS _____ DAY OF _____, 20__.

May 09

ATTEST: _____

ANTHONY RANCH WEST

PARCEL 4
PROJECT # 13T-013.4

Age Land Surveying Inc.

W PINNACLE PEAK RD

N 153TH AVE

N

1 2 3 4 5 6

N/A

VICINITY MAP

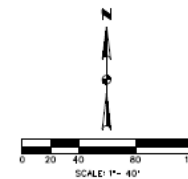
EC.15 T4N.R2W.
N.T.S.

**NOT A PART
PARCEL 503-74-003H**

**NOT A PART
UNSUBMITTED**

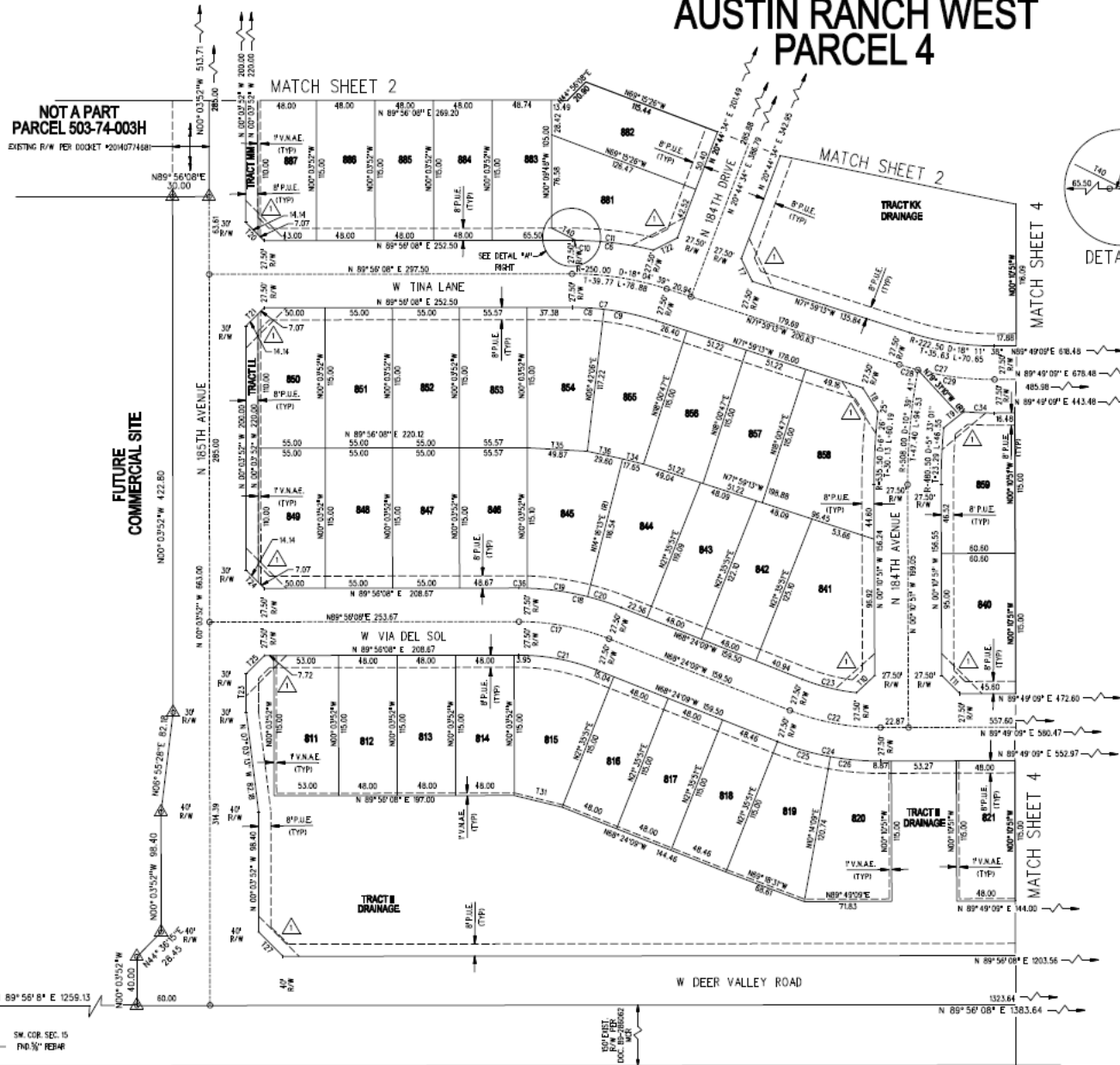
=====	PLAT BOUNDARY
-----	CENTERLINE
=====	RIGHT-OF-WAY
-----	EASEMENT
△	CORNER OF THIS PLAT WHICH IS TO BE SET BY OTHERS AFTER CONSTRUCTION
⊙	FOUND MONUMENT AS NOTED
○	STREET CL MONUMENTATION (EASER CAP WAG STD DET 120-1 TYPE "B" TO BE SET BY OTHERS AFTER CONSTRUCTION)
V.N.A.E.	VEHICULAR NON-ACCESS EASEMENT
P.U.E.	PUBLIC UTILITY EASEMENT
⊙	RADIAL BEARING
△	SIGHT VISIBILITY EASEMENT
R/W	RIGHT OF WAY

LINE TABLE			CURVE TABLE				
T. NO.	DIRECTION	DISTANCE	C. NO.	RADIUS	DELTA	LENGTH	TANGENT
172	N 20° 04' 54" E	29.07	C2	150.00	11° 12' 22"	23.54	14.72
173	N 20° 04' 54" E	21.21	C3	150.00	0° 00' 00"	0.00	0.00
174	N 20° 04' 54" E	29.07	C4	150.00	0° 13' 15"	10.08	10.08
175	N 20° 04' 54" E	29.07	C5	150.00	0° 13' 15"	10.08	10.08
176	N 20° 04' 54" E	29.07	C6	150.00	0° 13' 15"	10.08	10.08
177	N 20° 04' 54" E	29.07	C7	150.00	0° 13' 15"	10.08	10.08
178	N 20° 04' 54" E	29.07	C8	150.00	0° 13' 15"	10.08	10.08
179	N 20° 04' 54" E	29.07	C9	150.00	0° 13' 15"	10.08	10.08
180	N 20° 04' 54" E	29.07	C10	150.00	0° 13' 15"	10.08	10.08
181	N 20° 04' 54" E	29.07	C11	150.00	0° 13' 15"	10.08	10.08
182	N 20° 04' 54" E	29.07	C12	150.00	0° 13' 15"	10.08	10.08
183	N 20° 04' 54" E	29.07	C13	150.00	0° 13' 15"	10.08	10.08
184	N 20° 04' 54" E	29.07	C14	150.00	0° 13' 15"	10.08	10.08
185	N 20° 04' 54" E	29.07	C15	150.00	0° 13' 15"	10.08	10.08
186	N 20° 04' 54" E	29.07	C16	150.00	0° 13' 15"	10.08	10.08
187	N 20° 04' 54" E	29.07	C17	150.00	0° 13' 15"	10.08	10.08
188	N 20° 04' 54" E	29.07	C18	150.00	0° 13' 15"	10.08	10.08
189	N 20° 04' 54" E	29.07	C19	150.00	0° 13' 15"	10.08	10.08
190	N 20° 04' 54" E	29.07	C20	150.00	0° 13' 15"	10.08	10.08
191	N 20° 04' 54" E	29.07	C21	150.00	0° 13' 15"	10.08	10.08
192	N 20° 04' 54" E	29.07	C22	150.00	0° 13' 15"	10.08	10.08
193	N 20° 04' 54" E	29.07	C23	150.00	0° 13' 15"	10.08	10.08
194	N 20° 04' 54" E	29.07	C24	150.00	0° 13' 15"	10.08	10.08
195	N 20° 04' 54" E	29.07	C25	150.00	0° 13' 15"	10.08	10.08
196	N 20° 04' 54" E	29.07	C26	150.00	0° 13' 15"	10.08	10.08
197	N 20° 04' 54" E	29.07	C27	150.00	0° 13' 15"	10.08	10.08
198	N 20° 04' 54" E	29.07	C28	150.00	0° 13' 15"	10.08	10.08
199	N 20° 04' 54" E	29.07	C29	150.00	0° 13' 15"	10.08	10.08
200	N 20° 04' 54" E	29.07	C30	150.00	0° 13' 15"	10.08	10.08
201	N 20° 04' 54" E	29.07	C31	150.00	0° 13' 15"	10.08	10.08
202	N 20° 04' 54" E	29.07	C32	150.00	0° 13' 15"	10.08	10.08
203	N 20° 04' 54" E	29.07	C33	150.00	0° 13' 15"	10.08	10.08
204	N 20° 04' 54" E	29.07	C34	150.00	0° 13' 15"	10.08	10.08
205	N 20° 04' 54" E	29.07	C35	150.00	0° 13' 15"	10.08	10.08
206	N 20° 04' 54" E	29.07	C36	150.00	0° 13' 15"	10.08	10.08
207	N 20° 04' 54" E	29.07	C37	150.00	0° 13' 15"	10.08	10.08
208	N 20° 04' 54" E	29.07	C38	150.00	0° 13' 15"	10.08	10.08
209	N 20° 04' 54" E	29.07	C39	150.00	0° 13' 15"	10.08	10.08
210	N 20° 04' 54" E	29.07	C40	150.00	0° 13' 15"	10.08	10.08



FINAL PLAT

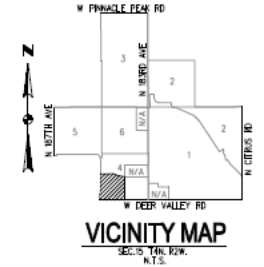
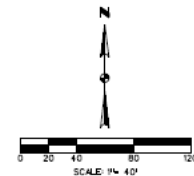
AUSTIN RANCH WEST PARCEL 4



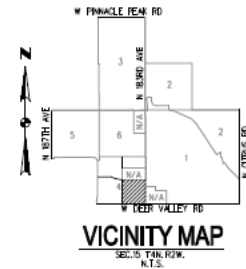
LEGEND

- PLAT BOUNDARY
- CENTERLINE
- RIGHT-OF-WAY
- EASEMENT
- △ CORNER OF THIS PLAT
- FOUND MONUMENT AS NOTED
- STREET CL. MONUMENTATION BRASS CAP
- MAG. SET LOC. 125-1147 TO BE SET BY OTHERS AFTER CONSTRUCTION
- V.N.A.E. VERTICAL NON-ACCESS EASEMENT
- P.U.E. PUBLIC UTILITY EASEMENT
- R.B. RADIAL BEARING
- S.V.E. SIGHT VISIBILITY EASEMENT
- R/W RIGHT OF WAY

C. NO.	RADIUS	DELTA	LENGTH	TANGENT	T. NO.	LINE TABLE	
						DIRECTION	DISTANCE
1	277.50	137° 17' 19"	67.27	53.80	17	N 25° 37' 19" W	20.70
2	222.50	181° 40' 01"	70.20	51.98	18	N 89° 56' 08" E	23.14
3	222.50	181° 40' 01"	70.20	51.98	19	N 89° 56' 08" E	23.14
4	222.50	181° 40' 01"	70.20	51.98	20	N 89° 56' 08" E	23.14
5	222.50	181° 40' 01"	70.20	51.98	21	N 89° 56' 08" E	23.14
6	222.50	181° 40' 01"	70.20	51.98	22	N 89° 56' 08" E	23.14
7	222.50	181° 40' 01"	70.20	51.98	23	N 89° 56' 08" E	23.14
8	222.50	181° 40' 01"	70.20	51.98	24	N 89° 56' 08" E	23.14
9	222.50	181° 40' 01"	70.20	51.98	25	N 89° 56' 08" E	23.14
10	222.50	181° 40' 01"	70.20	51.98	26	N 89° 56' 08" E	23.14
11	222.50	181° 40' 01"	70.20	51.98	27	N 89° 56' 08" E	23.14
12	222.50	181° 40' 01"	70.20	51.98	28	N 89° 56' 08" E	23.14
13	222.50	181° 40' 01"	70.20	51.98	29	N 89° 56' 08" E	23.14
14	222.50	181° 40' 01"	70.20	51.98	30	N 89° 56' 08" E	23.14
15	222.50	181° 40' 01"	70.20	51.98	31	N 89° 56' 08" E	23.14
16	222.50	181° 40' 01"	70.20	51.98	32	N 89° 56' 08" E	23.14
17	222.50	181° 40' 01"	70.20	51.98	33	N 89° 56' 08" E	23.14
18	222.50	181° 40' 01"	70.20	51.98	34	N 89° 56' 08" E	23.14
19	222.50	181° 40' 01"	70.20	51.98	35	N 89° 56' 08" E	23.14
20	222.50	181° 40' 01"	70.20	51.98	36	N 89° 56' 08" E	23.14
21	222.50	181° 40' 01"	70.20	51.98	37	N 89° 56' 08" E	23.14
22	222.50	181° 40' 01"	70.20	51.98	38	N 89° 56' 08" E	23.14
23	222.50	181° 40' 01"	70.20	51.98	39	N 89° 56' 08" E	23.14
24	222.50	181° 40' 01"	70.20	51.98	40	N 89° 56' 08" E	23.14
25	222.50	181° 40' 01"	70.20	51.98	41	N 89° 56' 08" E	23.14
26	222.50	181° 40' 01"	70.20	51.98	42	N 89° 56' 08" E	23.14
27	222.50	181° 40' 01"	70.20	51.98	43	N 89° 56' 08" E	23.14
28	222.50	181° 40' 01"	70.20	51.98	44	N 89° 56' 08" E	23.14
29	222.50	181° 40' 01"	70.20	51.98	45	N 89° 56' 08" E	23.14
30	222.50	181° 40' 01"	70.20	51.98	46	N 89° 56' 08" E	23.14
31	222.50	181° 40' 01"	70.20	51.98	47	N 89° 56' 08" E	23.14
32	222.50	181° 40' 01"	70.20	51.98	48	N 89° 56' 08" E	23.14
33	222.50	181° 40' 01"	70.20	51.98	49	N 89° 56' 08" E	23.14
34	222.50	181° 40' 01"	70.20	51.98	50	N 89° 56' 08" E	23.14
35	222.50	181° 40' 01"	70.20	51.98	51	N 89° 56' 08" E	23.14
36	222.50	181° 40' 01"	70.20	51.98	52	N 89° 56' 08" E	23.14
37	222.50	181° 40' 01"	70.20	51.98	53	N 89° 56' 08" E	23.14
38	222.50	181° 40' 01"	70.20	51.98	54	N 89° 56' 08" E	23.14
39	222.50	181° 40' 01"	70.20	51.98	55	N 89° 56' 08" E	23.14
40	222.50	181° 40' 01"	70.20	51.98	56	N 89° 56' 08" E	23.14
41	222.50	181° 40' 01"	70.20	51.98	57	N 89° 56' 08" E	23.14
42	222.50	181° 40' 01"	70.20	51.98	58	N 89° 56' 08" E	23.14
43	222.50	181° 40' 01"	70.20	51.98	59	N 89° 56' 08" E	23.14
44	222.50	181° 40' 01"	70.20	51.98	60	N 89° 56' 08" E	23.14
45	222.50	181° 40' 01"	70.20	51.98	61	N 89° 56' 08" E	23.14
46	222.50	181° 40' 01"	70.20	51.98	62	N 89° 56' 08" E	23.14
47	222.50	181° 40' 01"	70.20	51.98	63	N 89° 56' 08" E	23.14
48	222.50	181° 40' 01"	70.20	51.98	64	N 89° 56' 08" E	23.14
49	222.50	181° 40' 01"	70.20	51.98	65	N 89° 56' 08" E	23.14
50	222.50	181° 40' 01"	70.20	51.98	66	N 89° 56' 08" E	23.14
51	222.50	181° 40' 01"	70.20	51.98	67	N 89° 56' 08" E	23.14
52	222.50	181° 40' 01"	70.20	51.98	68	N 89° 56' 08" E	23.14
53	222.50	181° 40' 01"	70.20	51.98	69	N 89° 56' 08" E	23.14
54	222.50	181° 40' 01"	70.20	51.98	70	N 89° 56' 08" E	23.14
55	222.50	181° 40' 01"	70.20	51.98	71	N 89° 56' 08" E	23.14
56	222.50	181° 40' 01"	70.20	51.98	72	N 89° 56' 08" E	23.14
57	222.50	181° 40' 01"	70.20	51.98	73	N 89° 56' 08" E	23.14
58	222.50	181° 40' 01"	70.20	51.98	74	N 89° 56' 08" E	23.14
59	222.50	181° 40' 01"	70.20	51.98	75	N 89° 56' 08" E	23.14
60	222.50	181° 40' 01"	70.20	51.98	76	N 89° 56' 08" E	23.14
61	222.50	181° 40' 01"	70.20	51.98	77	N 89° 56' 08" E	23.14
62	222.50	181° 40' 01"	70.20	51.98	78	N 89° 56' 08" E	23.14
63	222.50	181° 40' 01"	70.20	51.98	79	N 89° 56' 08" E	23.14
64	222.50	181° 40' 01"	70.20	51.98	80	N 89° 56' 08" E	23.14
65	222.50	181° 40' 01"	70.20	51.98	81	N 89° 56' 08" E	23.14
66	222.50	181° 40' 01"	70.20	51.98	82	N 89° 56' 08" E	23.14
67	222.50	181° 40' 01"	70.20	51.98	83	N 89° 56' 08" E	23.14
68	222.50	181° 40' 01"	70.20	51.98	84	N 89° 56' 08" E	23.14
69	222.50	181° 40' 01"	70.20	51.98	85	N 89° 56' 08" E	23.14
70	222.50	181° 40' 01"	70.20	51.98	86	N 89° 56' 08" E	23.14
71	222.50	181° 40' 01"	70.20	51.98	87	N 89° 56' 08" E	23.14
72	222.50	181° 40' 01"	70.20	51.98	88	N 89° 56' 08" E	23.14
73	222.50	181° 40' 01"	70.20	51.98	89	N 89° 56' 08" E	23.14
74	222.50	181° 40' 01"	70.20	51.98	90	N 89° 56' 08" E	23.14
75	222.50	181° 40' 01"	70.20	51.98	91	N 89° 56' 08" E	23.14
76	222.50	181° 40' 01"	70.20	51.98	92	N 89° 56' 08" E	23.14
77	222.50	181° 40' 01"	70.20	51.98	93	N 89° 56' 08" E	23.14
78	222.50	181° 40' 01"	70.20	51.98	94	N 89° 56' 08" E	23.14
79	222.50	181° 40' 01"	70.20	51.98	95	N 89° 56' 08" E	23.14
80	222.50	181° 40' 01"	70.20	51.98	96	N 89° 56' 08" E	23.14
81	222.50	181° 40' 01"	70.20	51.98	97	N 89° 56' 08" E	23.14
82	222.50	181° 40' 01"	70.20	51.98	98	N 89° 56' 08" E	23.14
83	222.50	181° 40' 01"	70.20	51.98	99	N 89° 56' 08" E	23.14
84	222.50	181° 40' 01"	70.20	51.98	100	N 89° 56' 08" E	23.14

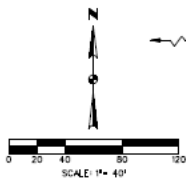


**NOT A PART
UNSUBDIVIDED**



T NO.	DIRECTION	DISTANCE
T1	N 44° 49' 09" E	21.21
T6	N 44° 52' 38" E	28.26
T12	N 44° 49' 09" E	28.28
T13	N 45° 10' 51" W	28.28
T14	N 44° 49' 09" E	21.21
T15	N 45° 10' 51" W	21.21

FND 3.5" ALUMINUM CAP
MARICOPA COUNTY LS 33307



END 1/2" REBAR WITH
CAP LS 21031

VICINITY MAP

C.15 T4N R2W
N.T.S.

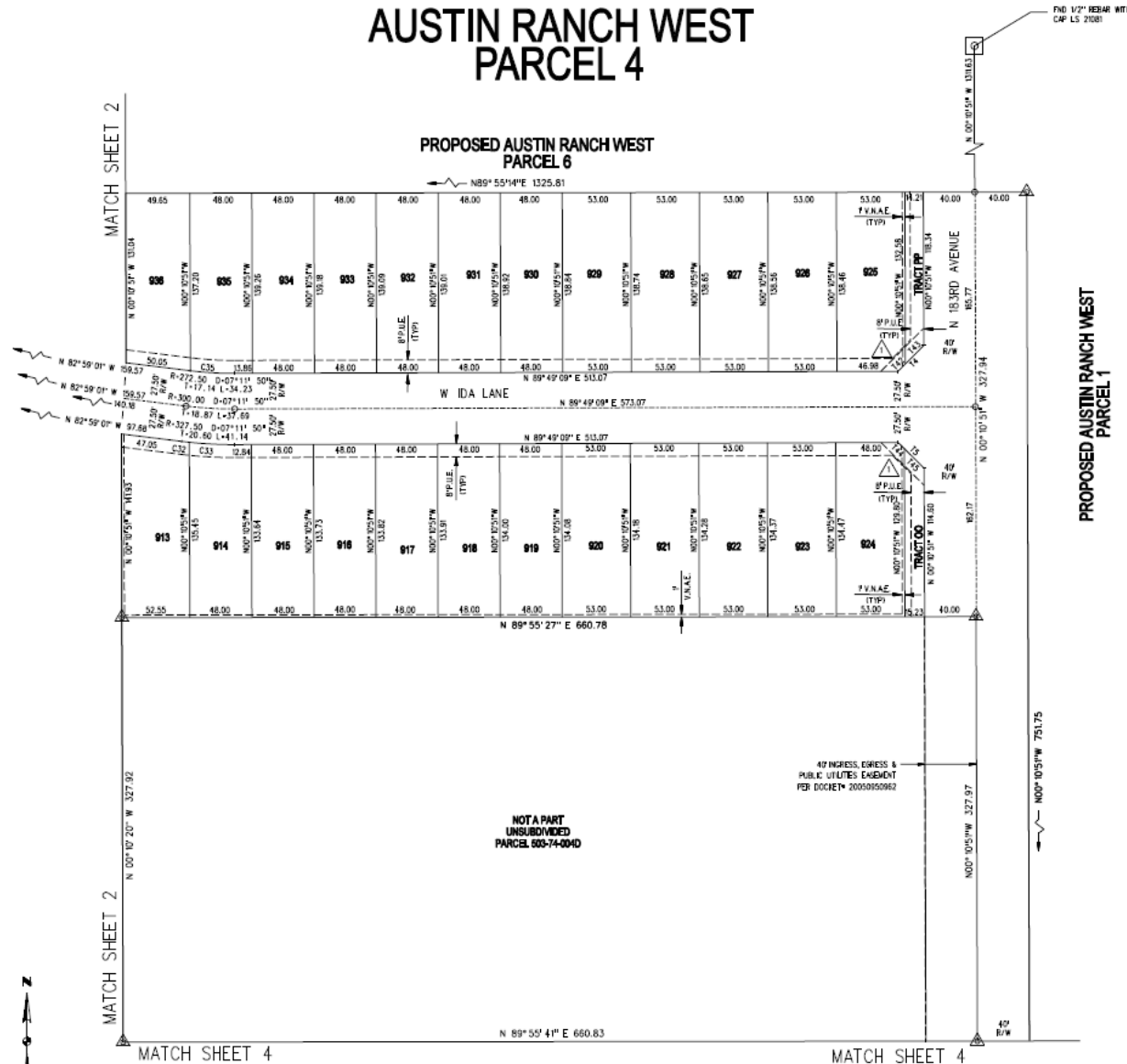
LINE TABLE			
1 NO.	DIRECTION		DISTANCE
T4	N 44° 49' 09"	E	26.28
T5	N 45° 10' 51"	W	26.28
T42	N 44° 49' 09"	E	6.52
T43	N 44° 49' 09"	E	20.10
T44	N 45° 10' 51"	W	6.74
T45	N 45° 10' 51"	W	21.54

C NO.	RADIUS	CURVE TABLE			LENGTH	TANGENT
		DELTA				
C32	327.50	01° 02'	01"		5.91	2.95
C33	327.50	06° 09'	49"		35.23	17.63
C35	272.50	07° 11'	50"		34.23	17.14

LEGEND

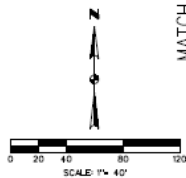
- | | |
|---|---|
| _____ | PLAT BOUNDARY |
| _____ | CENTERLINE |
| _____ | RIGHT-OF-WAY |
| ----- | EASEMENT |
|  | CORNER OF THE PLAT
TO BE SET BY OTHERS
AFTER CONSTRUCTION |
|  | FOUND MONUMENT AS NOTED |
| ○ | STREET CL MONUMENTATION (GRASS CAP
MAY SET 120-1 TYPE "P" TO BE SET
BY OTHERS AFTER CONSTRUCTION) |
| V.N.A.E. | VEHICULAR NON-ACCESS EASEMENT |
| P.U.E. | PUBLIC UTILITY EASEMENT |
| (R) | RADIAL BEARING |
|  | SIGHT VISIBILITY EASEMENT |
| R/W | RIGHT OF WAY |

JUSTIN RANCH WEST
PARCEL 4
PROJECT # 137-013-4
SEPTEMBER 2014



NOT A PART
UNSUBDIVIDED
PARCEL 503-74-004D

40' INGRESS, EGRESS &
PUBLIC UTILITIES EASEMENT
PER DOCKET# 2005095095



LANDSCAPE PLANS

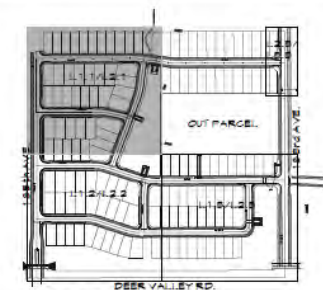


SURPRISE
ARIZONA

PLANT LEGEND

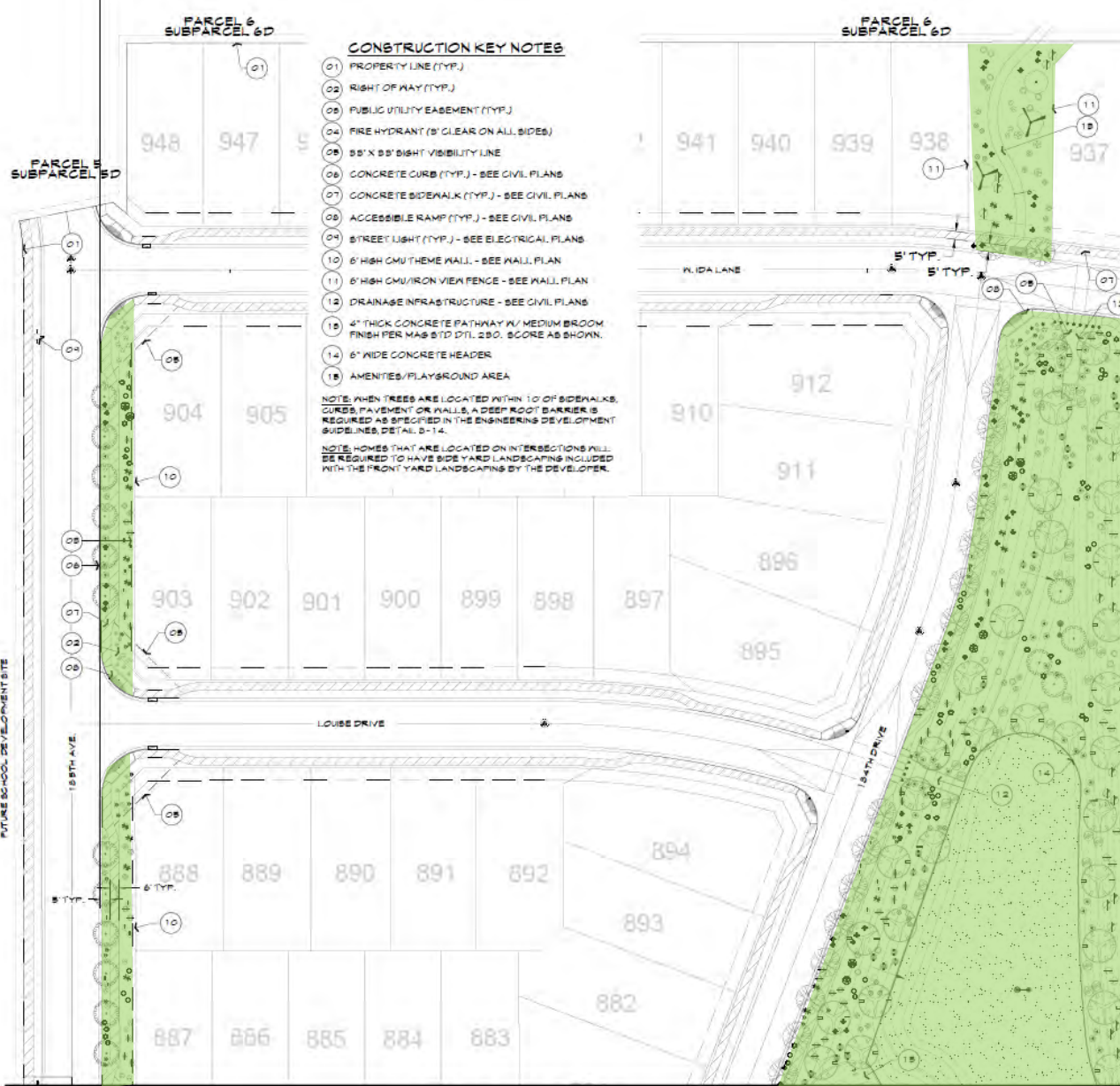
TREES	
	ACACIA ANEURA / MULGA
	ACACIA SALICINA / WILLON ACACIA
	CHLOPES SP. RIO SALADO / RIO SALADO DESERT WILLOW
	OLNEYA TESOTA / IRONWOOD
	OLNEYA TESOTA / IRONWOOD (BOX SIZE ON PLAN)
	PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE
	PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE
	PROSOPIS HYBRID AZT / AZT THORNTLESS MESQUITE
	SALVADOREA TREE - SEE SALVADOREA PLANS FOR TAG #
SHRUBS	
	CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER
	ENCELIA FARINOSA / BRITTLERUSH
	HYPTIS SMOXY / DESERT LAVENDER
	JUSTICIA CALIFORNICA / CHUPAROSA
	LAKKIA TRIDENTATA / DESERT BUSH
	LEUCOPHYLLUM LAEVIGATUM / CHIHUAHUA BASS
	MONOMIDIA CHINENSIS / JOJOBA
	SPHERALOEA AMBIGUA / SLOOE MALLOW
ACCENTS	
	AGAVE AMERICANA / AMERICAN AGAVE
	AGAVE PARSY / PARSY AGAVE
	AGAVE SUBULATA / DESERT MILKWEED
	BOULEVARD GRASS / BLONDE AMBITION GRASS
	DASYLIRION AENEUM / DESERT SMOON
	FOUGERIA BLENNIS / COOTELLO
	HESPERALOE PARVIFLORA PERPA /
	BRACKLEIGHTS RED YUCCA
	MULLENDERSIA RIGENS / DEER GRASS
	OPUNTIA ENGELMANNI / NATIVE PRICKLY PEAR
GROUNDCOVERS	
	AMBROSIA DELTOIDEA / TRIANGLE LEAF BUR-SAGE
	SALICIA MULTIRADIATA / DESERT MARIGOLD
	EREMOPHILA GLADRA HYB. / OUTBACK SUNRISE
	PENSTEMON FARRY / FARRY'S PENSTEMON
	TURF: MID-IRON BERMUDA 800.
	DECOMPOSED GRANITE: TO BE DETERMINED BY OWNER.
	REP-REP: SEE CIVIL PLANS.
	6" CONCRETE HEADER: NATURAL COLOR

OUT PARCEL



KEY MAP

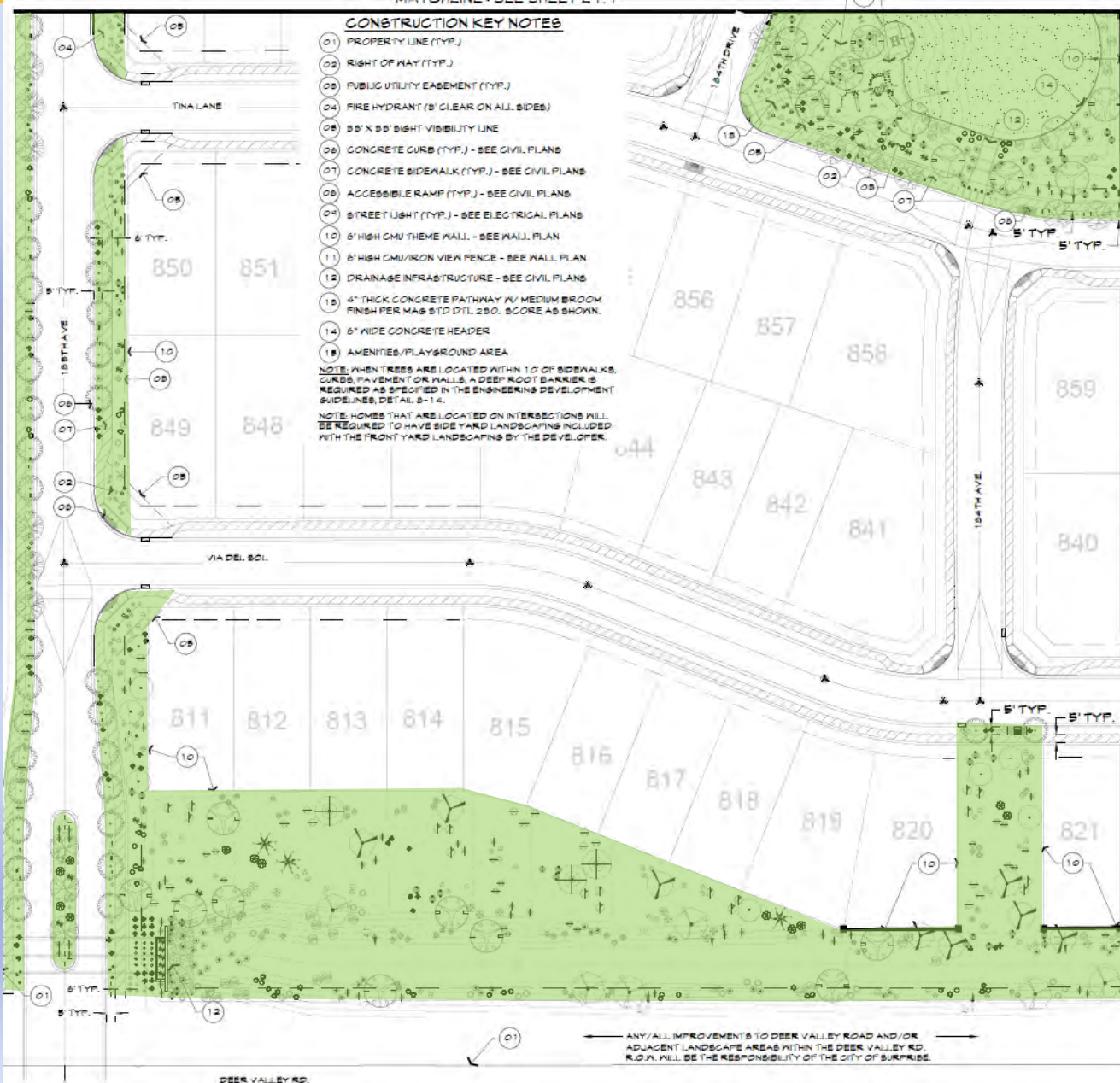
SCALE: 1"=30'-0"



LANDSCAPE PLANS



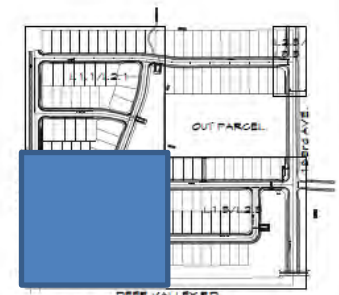
SURPRISE
ARIZONA



PLANT LEGEND

	TREES
	ACACIA ANEURA / MULGA
	ACACIA SALICINA / YELLOW ACACIA
	CHOLOPSIS SP. RIO SALADO / RIO SALADO DESERT WILLOW
	QUERCUS TESOTA / IRONWOOD
	QUERCUS TESOTA / IRONWOOD (BOX SIZE ON PLAN)
	PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE
	PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE
	PROSOPIS HYBRID AZT / AZT THORNTREE MESQUITE
	SALVAGE TREE - SEE SALVAGE PLANS FOR TAG #
	SHRUBS
	CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER
	ENCELIA FARINOSA / BRITTLEBUSH
	HYPTIS EMORYI / DESERT LAVENDER
	JUSTICIA CALIFORNICA / CHITARROSA
	LARREA TRIDENTATA / CREOSOTE BUSH
	LEUCOPHYLLUM LAEVISATUM / CHIHUAHUA BASS
	SIMMONDSIA CHINENSIS / JOJOBA
	SPHAERALCEA AMBIGUA / GLOSS MALLOW
	AGAVES
	AGAVE AMERICANA / AMERICAN AGAVE
	AGAVE FARRERII / FARRER'S AGAVE
	AGAVE SP. BULBATA / DESERT MILKWEED
	BOUTELOUA GRACILIS / BLONDE AMBITION GRASS
	DASYLIUM PHOENICIS / DESERT SPOON
	FOUQUIERIA SPLENDENS / COCTELO
	HEPERALOE PARVIFLORA / TERP / BRACKLELIGHT RED YUCCA
	MUHLENBERGIA RUPESTRIS / DEER GRASS
	OPUNTIA ENGELMANNI / NATIVE PRICKLY PEAR
	GROUNDCOVERS
	ANDROPOGON DEUTOEIA / TRIANGLE LEAF BURNING
	BALSA MEXICANA / DESERT MARIGOLD
	EREMOPHILA BILABATA / OUTBACK BURNISE
	FESTUCA PARRYI / PARRY'S FESCUE
	TURF - MID-RUN BERMUDA SOFT.
	DECOMPOSED GRANITE - TO BE DETERMINED BY OWNER
	RP-RAP - SEE CIVIL PLANS.
	6" CONCRETE HEADER - NATURAL COLOR

MATCHLINE - SEE SHEET L.13



KEY MAP

SCALE: 1"=30'-0"

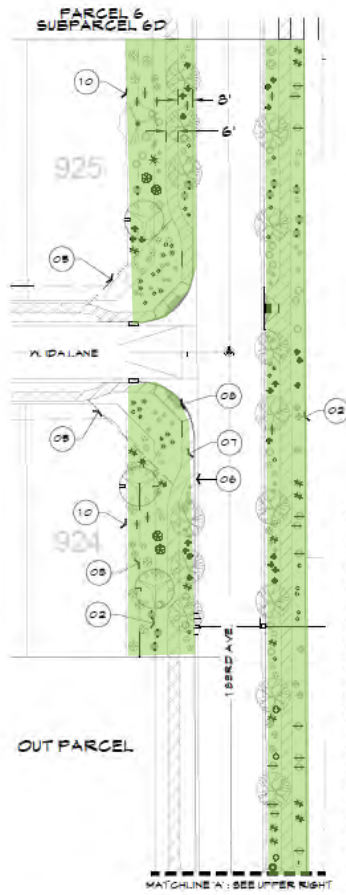


LANDSCAPE PLANS



SURPRISE
ARIZONA

MATCHLINE - SEE SHEET L.1.2



CONSTRUCTION KEY NOTES

- 01 PROPERTY LINE (TYP.)
- 02 RIGHT OF WAY (TYP.)
- 03 PUBLIC UTILITY EASEMENT (TYP.)
- 04 FIRE HYDRANT (5' CLEAR ON ALL SIDES)
- 05 35' X 35' SIGHT VISIBILITY LINE
- 06 CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- 07 CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- 08 ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- 09 STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 10 6' HIGH CMU THEME WALL - SEE WALL PLAN
- 11 6' HIGH CMU/IRON VIEW FENCE - SEE WALL PLAN
- 12 DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 13 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER MAS STD DET. 290. SCORE AS SHOWN.
- 14 6" WIDE CONCRETE HEADER
- 15 AMENITIES/PLAYGROUND AREA
- 16 COMMUNITY ENTRANCE MONUMENT. SEE DETAIL 1P ON SHEET L.1.1. (ALSO SEE CIVIL PLANS/DETAILS).

NOTE: WHEN TREES ARE LOCATED WITHIN 10' OF SIDEWALKS, CURBS, PAVEMENT OR WALLS, A DEEP ROOT BARRIER IS REQUIRED AS SPECIFIED IN THE ENGINEERING DEVELOPMENT GUIDELINES DETAIL 8-14.

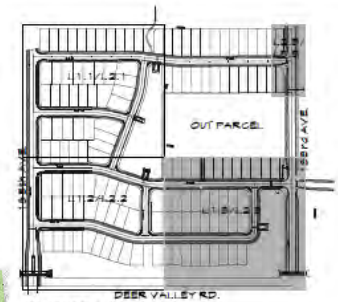
NOTE: HOMES THAT ARE LOCATED ON INTERSECTIONS WILL BE REQUIRED TO HAVE SIDEYARD LANDSCAPING INCLUDED WITH THE FRONT YARD LANDSCAPING BY THE DEVELOPER.

ANY/ALL IMPROVEMENTS TO DEER VALLEY ROAD AND/OR ADJACENT LANDSCAPE AREAS WITHIN THE DEER VALLEY RD. R.O.W. WILL BE THE RESPONSIBILITY OF THE CITY OF SURPRISE.



PLANT LEGEND

TREES	SHRUBS	ACCENTS	GROUNDCOVERS
- ACACIA ANSEREA / MULGA - ACACIA SALICINA / PILLONIA ACACIA - CHLOPSIS SP. RIO SALADO / RIO SALADO DESERT MALLOW - OLNEYA TESOTA / IRONWOOD - OLNEYA TESOTA / IRONWOOD (BOX SIZE ON PLAN) - PARKINSONIA HYBRID / DESERT MUSEUM PALM VERDE - PARKINSONIA MICROPHYLLUM / FOOTHILLS PALM VERDE - PROBOTS HYBRID AZT / AZT THORNLESS MESQUITE - SALVAGED TREE - SEE SALVAGE PLANS FOR TAG #	- GALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER - ENCELIA FARINOSA / BRITTOLEBUSH - HYPTIS EMORYI / DESERT LAVENDER - JUSTICIA CALIFORNICA / CHUPAROSA - LAKKIA TRIDENTATA / CREOSOTE BUSH - LEUCOPHYLLUM LAS VEGAS / CHIHUAHUA BASS - DIAMONDBIA CHINENSIS / JOJOBA - STYRACALGIA AMBUSA / SLOPE MALLOW	- AGAVE AMERICANA / AMERICAN AGAVE - AGAVE PARREI / PARKY'S AGAVE - ASOLEPTIS SUBULATA / DESERT MILKWEED - BOULEDOUA GRACILIS / BLONDE AMBITION GRASS - DASYLIRION WHEELERII / DESERT SPOON - FOUGERIA SPLENDENS / COCTILO - HEPERALGOS PARVIFLORA TERPA / BRACKLETS RED YUCCA - WILKENDERGASSEN / DESERT GRASS - OPUNTIA ENSELMANNI / NATIVE PRICKLY PEAR	- AMORPHOSA DELTOIDEA / TRIANGLE LEAF BUR-SAGE - BAILEYA MULTIRADIATA / DESERT MARIGOLD - CEMPHOILA SALABRA HYB. / OUTBACK SUNRISE - PENSTEMON PARKYI / PARKY'S PENSTEMON
- TURF - MID-IRON BERMUDA SOD. - DECOMPOSED GRANITE - TO BE DETERMINED BY OWNER. - RIP-RAP - SEE CIVIL PLANS. 6" CONCRETE HEADER - NATURAL COLOR			



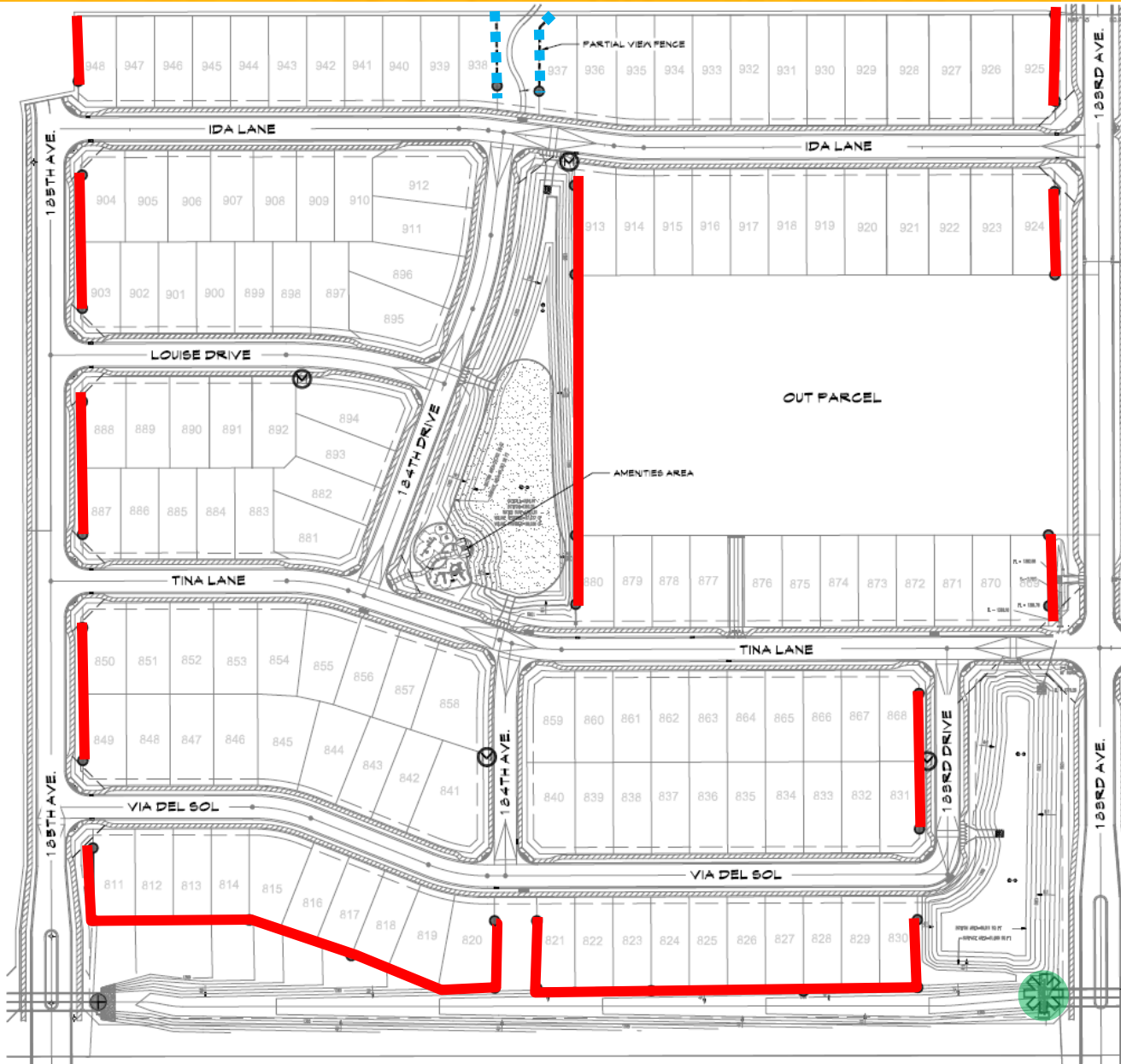
KEY MAP

SCALE: 1"=30'-0"

NORTH



WALLS AND SIGNAGE



PROJECT WALL KEY

	6" MIN. - 8" MAX. PROJECT THEME WALL - APPROX. 5,030 LF (SEE DETAIL 'A', SHEET L5.1)
	6" PROJECT PARTIAL VIEW WALL - APPROX. 200 LF (SEE DETAIL 'D', SHEET L5.1)
	PRIMARY THEME COLUMN- 38 TOTAL (SEE DETAIL 'C', SHEET L5.1)
	ENTRY MONUMENT (SEE DETAIL 'F', SHEET L5.1)
	SECONDARY THEME MONUMENT (SEE DETAIL 'E', SHEET L5.1)
	COMMUNITY MAILBOX CLUSTER - SEE DETAIL 'A' ON SHEET L5.2

NOTES:

1. ALL FOOTINGS, WALLS, FENCES AND THEME COLUMNS TO BE LOCATED OUTSIDE OF THE P.U.S. R.O.W. AND SITE VISIBILITY TRIANGLE EASEMENTS.
2. THEME COLUMNS ARE TO BE 25'-0" OFF THE BACK OF SIDEWALK. SOME THEME COLUMNS MAY HAVE TO BE LOCATED 50' OFF THE BACK OF SIDEWALK WHERE SITE VISIBILITY TRIANGLE EASEMENTS ARE PRESENT. CONTRACTOR TO INSTALL 6"X6" CONCRETE HEADER FROM THE FRONT OF THE COLUMN TO THE BACK OF THE SIDEWALK.
3. SIGN REQUIRES A SEPARATE PERMIT. DETAILS ARE FOR INFORMATION ONLY.
4. SEE CIVIL PLANS FOR RETAINING WALL LOCATIONS.
5. ALL PERIMETER AND INTERIOR WALLS NOT NOTED ABOVE SHALL BE STANDARD 4" X 8" X 16" CMU FENCE BLOCK.

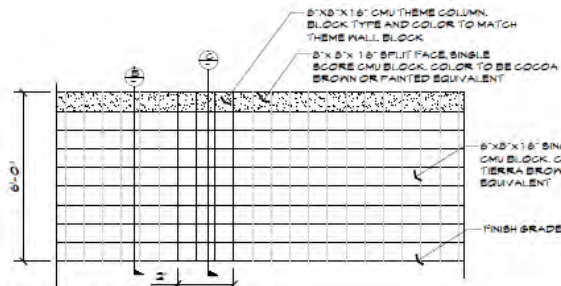
SPECIAL NOTE:

BUILDER RESERVES THE RIGHT TO REVISE THE SPACING AND/OR QUANTITY OF THEME COLUMNS ON THE PROJECT. GET STRUCTURAL ENGINEERING APPROVAL FOR ANY CHANGES PRIOR TO CONSTRUCTION.

SCALE: 1"=60'-0"

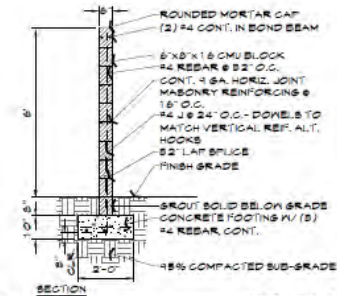


WALLS AND SIGNAGE



A THEME WALL & COLUMN ELEVATION

SCALE: 1/2"=1'-0"

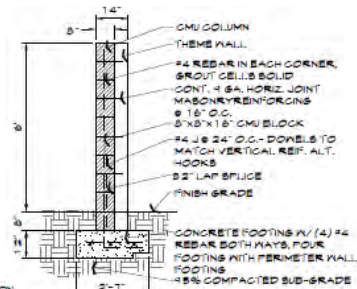


B THEME WALL DETAIL

SCALE: 1/2"=1'-0"

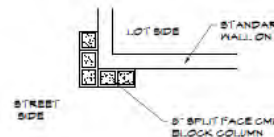
SPECIAL NOTES (ALL DETAILS ON SHEET)

1. DETAILS FOR AESTHETIC/MATERIAL REFERENCE ONLY; STRUCTURAL DETAILS REQUIRED PRIOR TO CONSTRUCTION.
2. SIGN SHOWN FOR REFERENCE ONLY. SIGN REQUIRES A SEPARATE PERMIT.
3. SHOP DRAWINGS ARE REQUIRED PRIOR TO CONSTRUCTION.
4. ALL BROUGHT IRON TO BE PAINTED WITH EPOXY PRIMER AND THEN WITH URTHANE ELECTROSTATICALLY APPLIED. FINISH COAT AND COLOR TO MATCH SPECIFICATION.
5. ALL ALTERNATE OR EQUIVALENT SUBSTITUTIONS MUST BE APPROVED BY OWNER OR LANDSCAPE ARCHITECT.

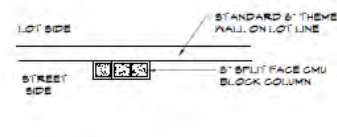


C THEME COLUMN DETAIL

SECTION

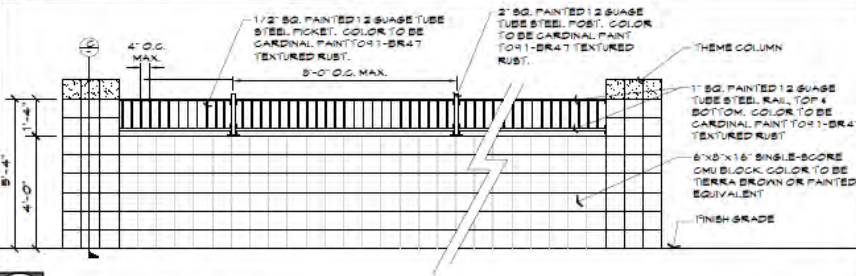


PLAN VIEW



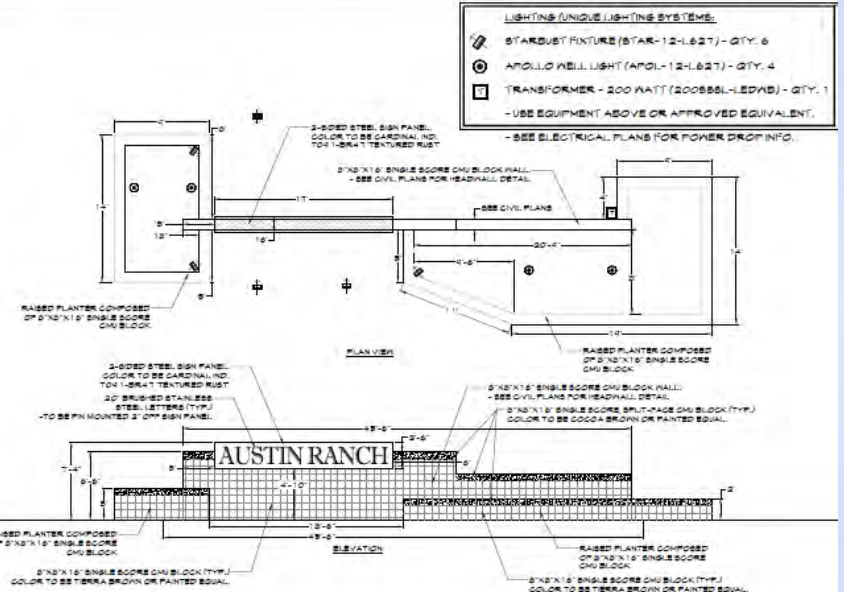
PLAN VIEW

SCALE: 1/2"=1'-0"



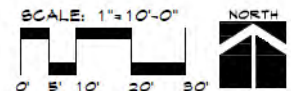
D PARTIAL VIEW FENCE

SCALE: 1/2"=1'-0"



E PRIMARY ENTRANCE MONUMENT DETAIL

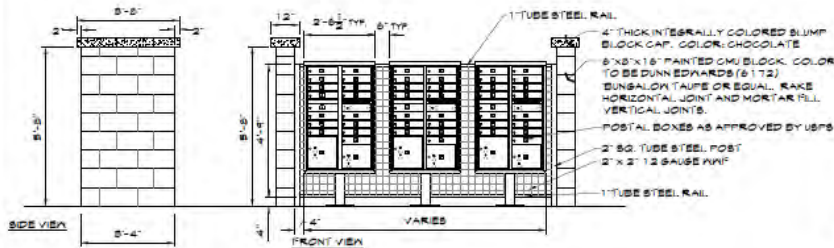
F SECONDARY THEME MONUMENT DETAIL



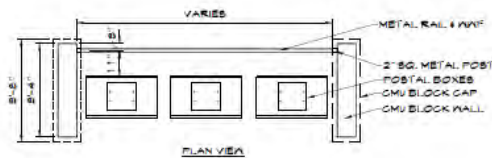
AMENITY PLAN



SURPRISE
ARIZONA

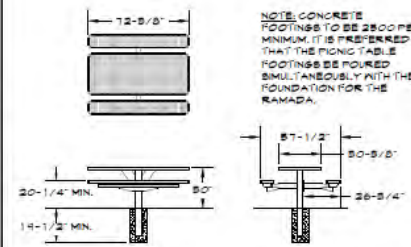


ALL STEEL TO BE CARDINAL INDUSTRIES
COLOR TEXTURED RUST (1041-BK47).
(OR AN APPROVED EQUIVALENT).



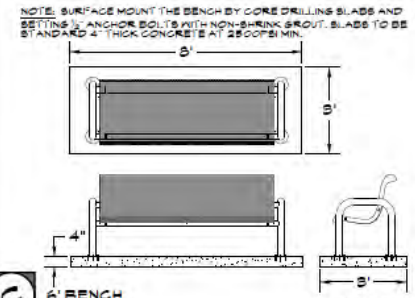
A MAILBOX DETAIL

SCALE: 1/4"=1'-0"



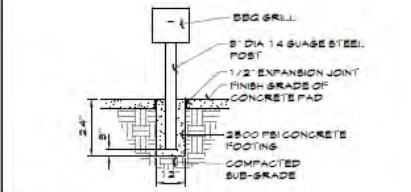
B PICNIC TABLE

SCALE: NTS



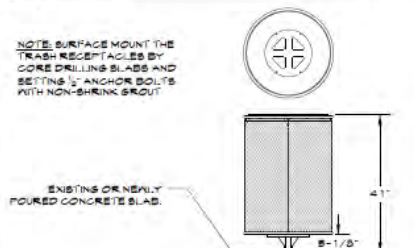
C 6' BENCH

SCALE: NTS



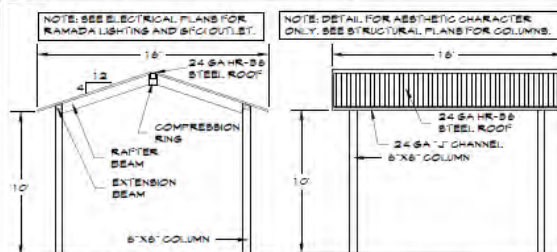
D BBQ GRILL

SCALE: 1/4"=1'-0"

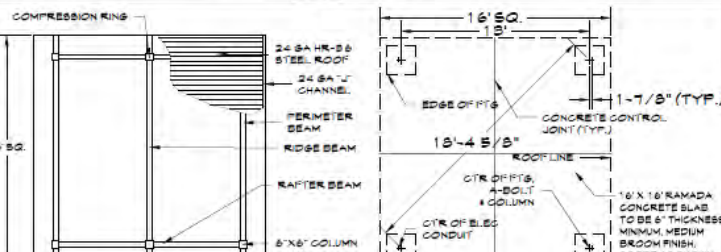


E TRASH RECEPTACLE

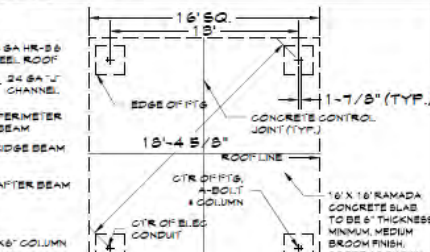
SCALE: NTS



F 16' X 16' ORLANDO RAMADA (NOT FOR CONSTRUCTION)



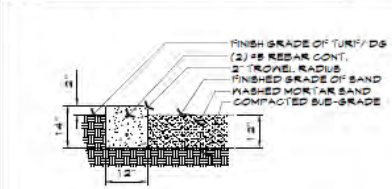
FLAN VIEW 16' X 16' ORLANDO MODEL
NOT FOR CONSTRUCTION



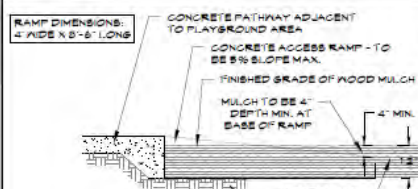
LAYOUT VIEW 16' X 16' ORLANDO MODEL
NOT FOR CONSTRUCTION
CONCRETE FOOTINGS DESIGN PER MANUFACTURER'S SPEC.

G CONCRETE PLAYGROUND TURNDOWN

SCALE: NTS



NOTE:
EXPANSION JOINTS SHALL BE CONSTRUCTED AT
THE END OF ALL FOURS, AT POINTS OF CURVATURE
AND AT A MAX. SPACING OF 100 FEET.



NOTE:
ALL CONCRETE RAMPS TO BE LOCATED OUTSIDE OF PLAY
EQUIPMENT FALL ZONES TO ENSURE THAT MULCH DEPTH
ACCOMMODATES PLAY EQUIPMENT FALL HEIGHTS.

SPECIAL NOTES (ALL DETAILS ON SHEET)

1. DETAILS FOR AESTHETIC/MATERIAL
REFERENCE ONLY; STRUCTURAL DETAILS
REQUIRED PRIOR TO CONSTRUCTION.
2. SIGN SHOWN FOR REFERENCE ONLY;
SIGN REQUIRES A SEPARATE PERMIT.
3. SHOP DRAWINGS ARE REQUIRED PRIOR
TO CONSTRUCTION.
4. ALL WROUGHT IRON TO BE PAINTED
WITH EPOXY PRIMER AND THEN WITH
URETHANE ELECTROSTATICALLY
APPLIED. FINISH COAT AND COLOR TO
MATCH SPECIFICATION.
5. ALL ALTERNATE OR EQUIVALENT
SUBSTITUTIONS MUST BE APPROVED BY
OWNER OR LANDSCAPE ARCHITECT.

I NOTES

Questions or Comments?

RESOLUTION #2016-40

A RESOLUTION OF THE MAYOR AND COUNCIL OF THE CITY OF SURPRISE, ARIZONA, APPROVING A FINAL PLAT ENTITLED "AUSTIN RANCH WEST PARCEL 4," GENERALLY LOCATED AT THE NORTHWESTERN CORNER OF WEST DEER VALLEY ROAD AND NORTH 183RD AVENUE.

WHEREAS, on May 27, 2004, the Mayor and City Council approved the Austin Ranch Planned Area Development;

WHEREAS, on January 26, 2006, the Mayor and City Council approved the Austin Ranch West Preliminary Plat Plan dated October 31, 2005;

WHEREAS, the proposed Final Plat conforms with the preliminary plat approved by the Mayor and City Council, on October 31, 2005;

WHEREAS, the City's subdivision regulations in effect in 2004 govern development of the Austin Ranch Planned Area development;

WHEREAS, the Surprise Municipal Code, Section 16.12.040 E, in effect in 2004, permits an alternate final plat approval procedure permitting, upon Council approval, as follows:

Alternate Approval Procedure. As an alternate procedure and at the request of the subdivider, the City Council may approve a final plat and instruct the Community Development Director to withhold the approved final plat from recording for a period of time to allow the subdivider to install all of the required public improvements according to the plans and specifications approved by the City Engineer. This procedure, when approved by the Council, shall be in lieu of the guarantees for installation of improvements as set forth in subsection (A)(9) of this section. An executed standard contract as approved by the City Attorney regarding installation of improvements shall be submitted with the final plat. The contract shall require that all improvements be completed no later than twelve months from the date the final plat was approved by the City Council and that no lot may be sold. When the completed improvements are inspected and approved by the City Engineer, the plat shall be recorded by the Community Development Director, and the sale of lots may proceed according to the approved and recorded plat, provided that a one-year warranty shall be submitted covering the completed improvements.

WHEREAS, the proposed final plat does not create any substandard or nonconforming lots; and

WHEREAS, the proposed final plat complies with the Surprise General Plan and Municipal Code.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the City of Surprise, Arizona, as follows:

Section 1. The Final Plat entitled "Austin Ranch West Parcel 4," dated February 18, 2015 is approved.

Section 2. The Community Development Director is hereby directed to withhold the approved final plat from recording until no later than May 1, 2018, which date may be extended for no more than an additional 12 months upon Council approval, to allow the subdivider to install all of the required public improvements according to the plans and specifications approved by the City Engineer in conformance with the requirements of the version of section 16.12.040E of the Municipal Code of the City of Surprise set forth in this Resolution.

Section 3. The City Manager is hereby directed to enter into a contract regarding the installation of improvements, approved by the City Attorney, consistent with that form of Alternative Assurance Agreement submitted with the plat and included in the Council packet.

APPROVED AND ADOPTED this _____ day of _____ 2016.

Sharon R. Wolcott, Mayor

Attest:

Approved as to form:

Sherry Aguilar, City Clerk

Robert Wingo, City Attorney

AUSTIN RANCH PARCEL 4 ALTERNATIVE ASSURANCE AGREEMENT

1. This Austin Ranch Parcel 4 Alternative Assurance Agreement (this "Agreement") is dated as of this 23 day of March, 2016 (the "Effective Date") by and between the City of Surprise, Arizona, an Arizona municipal corporation (the "City"), and Austin Ranch, LLC ("Subdivider").

2. The Surprise Municipal Code, Section 16.12.040 E, in effect in 2004, states as follows:

Alternate Approval Procedure. As an alternate procedure and at the request of the subdivider, the City Council to approve a final plat and instruct the Community Development Director to withhold the approved final plat from recording for a period of time to allow the subdivider to install all of the required public improvements according to the plans and specifications approved by the City Engineer. This procedure, when approved by the Council, shall be in lieu of the guarantees for installation of improvements as set forth in subsection (A)(9) of this section. An executed standard contract as approved by the City Attorney regarding installation of improvements shall be submitted with the final plat. The contract shall require that all improvements be completed no later than twelve months from the date the final plat was approved by the City Council and that no lot may be sold. When the completed improvements are inspected and approved by the City Engineer, the plat shall be recorded by the Community Development Director, and the sale of lots may proceed according to the approved and recorded plat, provided that a one-year warranty shall be submitted covering the completed improvements.

3. This Agreement meets the requirements of the "executed standard contract" required by Section 16.12.040E, above.

4. The Improvements required in the following plans (the "Improvements") shall be completed no later than May 1, 2018:

Austin Ranch West Parcel 4 Grading and Drainage Plans
Austin Ranch West Parcel 4 Sewer Plans
Austin Ranch West Parcel 4 Water Plans

Austin Ranch West Parcel 4 Paving Plans
Austin Ranch West Parcel 4 Landscape Plans

5. No lots may be created or sold until the Improvements are completed. When the completed Improvements are inspected and approved by the City Engineer, the plat shall be recorded by the Community Development Director, and the sale of lots may proceed according to the approved and recorded plat, provided that a one-year warranty shall be submitted covering the completed Improvements.

6. As an alternative to the process established in Sections 2 through 5 above, upon posting by the Subdivider of financial assurances acceptable to the City for any improvement not approved by the City, the Community Development Director shall record the final plat as permitted by the above referenced section of the Surprise Municipal Code.

7. Cancellation. Pursuant to A.R.S. § 38-503 and § 38-511, no member, official or employee of the City shall have any personal interest, direct or indirect, in this Agreement, nor shall any such member, official or employee participate in any decision relating to this Agreement which affects his or her personal interest or the interest of any corporation, partnership or association in which he or she is, directly or indirectly, interested. This Agreement is subject to cancellation pursuant to the terms of A.R.S. § 38-511.

8. Compliance with Federal Immigration Laws and Regulations. Contractor warrants that it complies with all federal immigration laws and regulations that relate to its employees and that it complies with A.R.S. § 23-214(A). Contractor acknowledges that pursuant to A.R.S. § 41-4401, a breach of this warranty is a material breach of this Agreement subject to penalties up to and including termination of this Agreement, and that the City retains the legal right to inspect the papers of any employee who works on the Agreement to ensure compliance with this warranty.

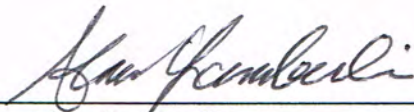
9. Entire Agreement. This Agreement constitutes the entire agreement between the parties hereto pertaining to the subject matter hereof and all prior and contemporaneous agreements, representations, negotiations and understandings of the parties hereto, oral or written, are hereby superseded and merged herein.

10. Governing Law. This Agreement shall be governed by and interpreted in accordance with the laws of the State of Arizona.

IN WITNESS WHEREOF, the parties have executed this Agreement, and this Agreement shall be effective, as of the date set forth in Section 1, above.

[Signatures on following page]

SUBDIVIDER: AUSTIN RANCH LLC

By: 
Alan Hamberlin

Its: Manager

Date: 3-23-16

CITY OF SURPRISE, an Arizona municipal
corporation

By: _____
Bob Wingenroth, City Manager

APPROVED AS TO FORM:

Robert Wingo, City Attorney

RFLS 5079



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

[Back](#) [Print](#)

Council Meeting Date:	April 5, 2016	Contact Person:	Hobart Wingard - Community Development
Submitting Department:	CD	District:	1
Staff Recommendations:	None		

Consent	x	Regular	Public Hearing	Report/Discussion
---------	---	---------	----------------	-------------------

Agenda Wording:

Consideration and action pertaining to approval, subject to alternative approval direction, of the final plat entitled "Austin Ranch West Parcel 1", a 114.28 acre, 420 lot single-family subdivision, generally located on the northern side of West Deer Valley Road, 1.6 miles west of Grand Avenue.

Motion:

I move to approve Resolution #2016-45.

Background:

This is the second phase of a multi-phased project known as Austin Ranch Planned Area Development (PAD) approved by the Mayor and City Council on May 13, 2004.

Objective Analysis:

The applicant is requesting a final plat approval that will establish the property boundaries, necessary easements, and right-of-way dedications to accommodate 420 single-family residential units.

Policy Compliant:

The proposed action is consistent with City and Council Policies.

Financial Impact:

All activity related to ongoing development of the City of Surprise has an economic and fiscal impact on the city and the region.

Budget Impact:

There is no anticipated budget impact related to this item.

FTE Impact:

This item does not have an impact on current staff levels.

ATTACHMENTS:

Click to download

- ☐ [00 - FS15-274 - Austin Ranch West Parcel 1 - Final Plat - Staff Report](#)
 - ☐ [01 - FS15-274 - Austin Ranch West Parcel 1 - Final Plat - Vicinity Maps](#)
 - ☐ [03 - FS15-274 - Austin Ranch West Parcel 1 - Final Plat - Landscape Plans 1](#)
 - ☐ [03 - FS15-274 - Austin Ranch West Parcel 1 - Final Plat - Landscape Plans 2](#)
 - ☐ [05 - FS15-274 - Austin Ranch West Parcel 1 - Final Plat - Presentation](#)
 - ☐ [Austin Ranch P1 Final Plat](#)
 - ☐ [Resolution2016-45 Austin Ranch P1 Final Plat](#)
 - ☐ [Alternative Assurance Agreement P1 Ph1](#)
 - ☐ [Alternative Assurance Agreement P1 Ph2](#)
 - ☐ [Alternative Assurance Agreement P1 Ph3](#)
 - ☐ [Alternative Assurance Agreement P1 Ph4](#)
-

FINAL PLAT

REPORT TO THE CITY COUNCIL

Case: FS15-274

Project Name: Austin Ranch, Parcel 1 Final Plat

Council District: 1

City Council Date: April 5, 2016

Planner: Hobart Wingard, Planner II, 623-222-3156
hobart.wingard@surpriseaz.gov

Owner/Applicant: Hans Koppenhoefer of Austin Ranch LLC

Request: Final Plat for a 420 lot, single-family subdivision located within the Austin Ranch Planned Area Development (PAD) zoning district

Site Location: Generally located on the northern side of West Deer Valley Road, approximately 1.6 miles west of Grand Avenue and approximately a half (1/2) mile east of the Waste Management Sanitary Landfill.

Site Size: 114.28 acres (approx.)

Density: 3.68 DU/Ac

History:

- The subject parcel was annexed into the City of Surprise on June 8, 1989.
- On May 13, 2004, the Mayor and City Council approved a Planned Area Development (PAD) for Austin Ranch.
- On October 7, 2005, a Development Agreement for Austin Ranch West was approved by the Mayor and City Council.
- On January 26, 2006, a Preliminary Plat for Austin Ranch West, Phase one (1) was approved by the Mayor and City Council.
- On February 23, 2005, a Map of Dedication for a Fire Station and Park site was approved by the Mayor and City Council.
- On June 14, 2007, A Final Plat was approved by The Mayor and City Council for Austin Ranch, Phase One (1). This Final Plat has since expired.
- On July 21, 2015, the applicant submitted an application for a Final Plat for Austin Ranch Parcel One (1).

43 **Project Summary:**

44
45 The applicant is requesting a final plat approval that will establish the property boundaries,
46 necessary easements, and right-of-way dedications to accommodate 420 single-family residential
47 units.

48 As stated in the findings below, the proposed Final Plat does not conform to the Austin Ranch PAD
49 primarily because the specificity provided by the PAD document regarding the construction of Deer
50 Valley Road adjacent to the project. Staff recognizes that a Development Agreement, approved
51 under Case DA05-011 and approved by the Mayor and City Council on October 7, 2005, provides
52 that the *"Owner shall construct on Deer Valley Road dedicated right and left-hand turning lanes at*
53 *the entrances to the Project, but shall not be required to construct any additional improvements to*
54 *Deer Valley Road. In lieu of such additional improvements to Deer Valley Road, Owner shall improve*
55 *Norwich Road from 183rd Avenue to Grand Avenue, 183rd Avenue from Deer Valley Road to Pinnacle*
56 *Peak Road, Citrus Road from Pinnacle Peak Road to Williams Road, and Williams Road from Citrus*
57 *Road to Deer Valley Road, to the ultimate cross-sections and all other streets, arterial or collector, to*
58 *half-street improvements."*

59 The proposed Final Plat will provide a 15 foot wide public access easement with an earthen trail
60 through the wash portion of this project. Parcel one (1) will provide almost a half (1/2) mile of this
61 trail. The trail will be for the use of the general public for pedestrian and non-motorized bicycles
62 only.

63 **Findings:**

- 64
65
 - The proposed Final Plat is consistent with the current Surprise General Plan 2035.
 - The proposed Final Plat is not consistent with the Austin Ranch PAD approved under Case
66 PAD03-278.
 - The Final Plat is consistent with the Preliminary Plat approved under Case FS05-034.

69
70 **Attachments:**

71
72 City Council Resolution # 16-xx
73 Vicinity Maps (3 sheets)
74 Final Plat (10 sheets)
75 Landscape Plans (22 sheets)

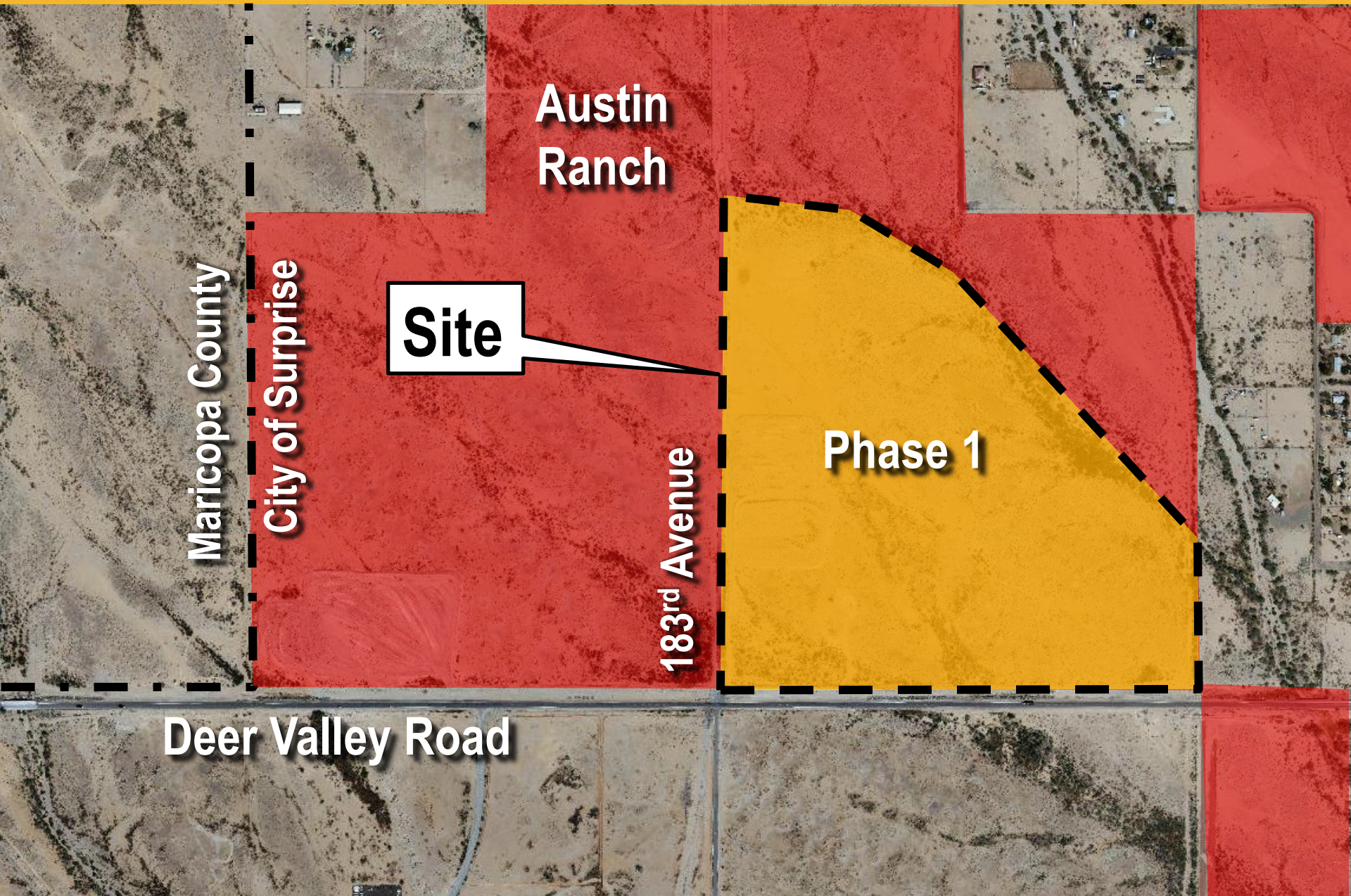
76
77 **Enclosure:**

78
79 Sealed Mylars (1 set)

VICINITY MAP – PHASE 1



VICINITY MAP – PHASE 1



**Austin
Ranch**

Maricopa County

City of Surprise

Site

183rd Avenue

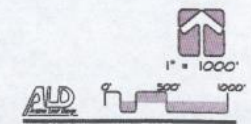
Phase 1

Deer Valley Road

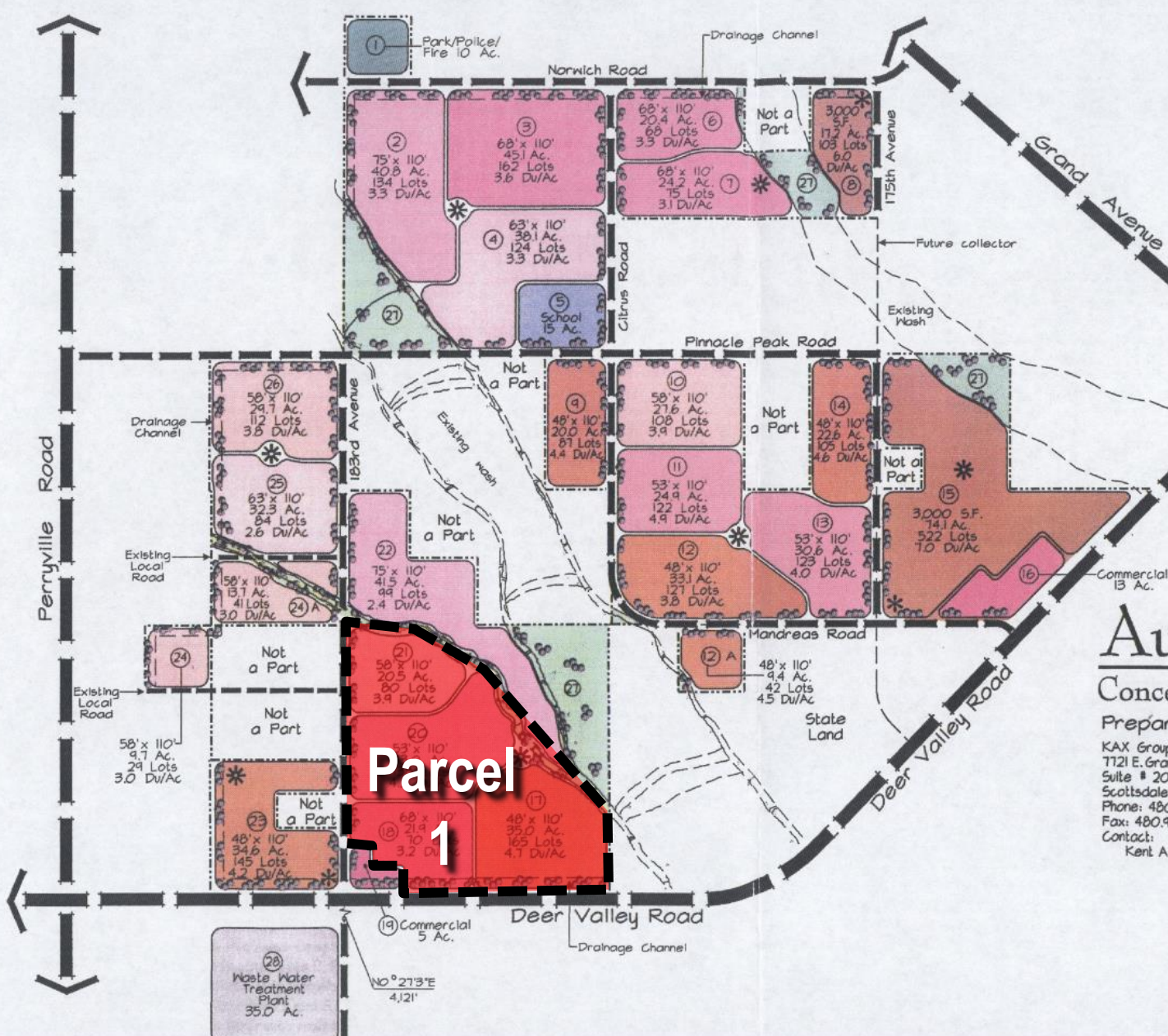
Legend



Prepared By:
Arizona Land Design
5202 East Oakhurst Way
Scottsdale, Arizona 85254
Phone: 480.951.6410
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Contact:
Christine Taratsos, R.L.A.



Job # 0236 Date: 08.15.03
Rev.: 11.05.03
Rev.: 05.26.04



AUSTIN RANCH PARCEL 1 – PHASE 4 ALTERNATIVE ASSURANCE AGREEMENT

1. This Austin Ranch Parcel 1 – Phase 4 Alternative Assurance Agreement (this “Agreement”) is dated as of this 23 day of March, 2016 (the “Effective Date”) by and between the City of Surprise, Arizona, an Arizona municipal corporation (the “City”), and Austin Ranch, LLC (“Subdivider”).

2. The Surprise Municipal Code, Section 16.12.040 E, in effect in 2004, states as follows:

Alternate Approval Procedure. As an alternate procedure and at the request of the subdivider, the City Council to approve a final plat and instruct the Community Development Director to withhold the approved final plat from recording for a period of time to allow the subdivider to install all of the required public improvements according to the plans and specifications approved by the City Engineer. This procedure, when approved by the Council, shall be in lieu of the guarantees for installation of improvements as set forth in subsection (A)(9) of this section. An executed standard contract as approved by the City Attorney regarding installation of improvements shall be submitted with the final plat. The contract shall require that all improvements be completed no later than twelve months from the date the final plat was approved by the City Council and that no lot may be sold. When the completed improvements are inspected and approved by the City Engineer, the plat shall be recorded by the Community Development Director, and the sale of lots may proceed according to the approved and recorded plat, provided that a one-year warranty shall be submitted covering the completed improvements.

3. This Agreement meets the requirements of the “executed standard contract” required by Section 16.12.040E, above.

4. The Improvements required in the following plans (the “Improvements”) shall be completed no later than May 1, 2018:

Austin Ranch West Parcel 1 Grading and Drainage Plans
Austin Ranch West Parcel 1 Sewer Plans
Austin Ranch West Parcel 1 Water Plans

Austin Ranch West Parcel 1 Paving Plans
Austin Ranch West Parcel 1 Landscape Plans
Austin Ranch West Parcel 1 Phasing Plans

5. No lots may be created or sold until the Improvements are completed. When the completed Improvements are inspected and approved by the City Engineer, the plat shall be recorded by the Community Development Director, and the sale of lots may proceed according to the approved and recorded plat, provided that a one-year warranty shall be submitted covering the completed Improvements.

6. As an alternative to the process established in Sections 2 through 5 above, upon posting by the Subdivider of financial assurances acceptable to the City for any improvement not approved by the City, the Community Development Director shall record the final plat as permitted by the above referenced section of the Surprise Municipal Code.

7. Cancellation. Pursuant to A.R.S. § 38-503 and § 38-511, no member, official or employee of the City shall have any personal interest, direct or indirect, in this Agreement, nor shall any such member, official or employee participate in any decision relating to this Agreement which affects his or her personal interest or the interest of any corporation, partnership or association in which he or she is, directly or indirectly, interested. This Agreement is subject to cancellation pursuant to the terms of A.R.S. § 38-511.

8. Compliance with Federal Immigration Laws and Regulations. Contractor warrants that it complies with all federal immigration laws and regulations that relate to its employees and that it complies with A.R.S. § 23-214(A). Contractor acknowledges that pursuant to A.R.S. § 41-4401, a breach of this warranty is a material breach of this Agreement subject to penalties up to and including termination of this Agreement, and that the City retains the legal right to inspect the papers of any employee who works on the Agreement to ensure compliance with this warranty.

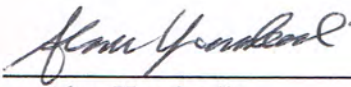
9. Entire Agreement. This Agreement constitutes the entire agreement between the parties hereto pertaining to the subject matter hereof and all prior and contemporaneous agreements, representations, negotiations and understandings of the parties hereto, oral or written, are hereby superseded and merged herein.

10. Governing Law. This Agreement shall be governed by and interpreted in accordance with the laws of the State of Arizona.

IN WITNESS WHEREOF, the parties have executed this Agreement, and this Agreement shall be effective, as of the date set forth in Section 1, above.

[Signatures on following page]

SUBDIVIDER: AUSTIN RANCH LLC

By: 
Alan Hamberlin

Its: Manager

Date: 3-23-16

CITY OF SURPRISE, an Arizona municipal
corporation

By: _____
Bob Wingenroth, City Manager

APPROVED AS TO FORM:

Robert Wingo, City Attorney

RFLS 5079

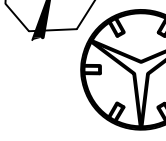
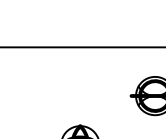
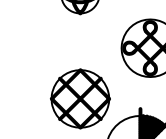
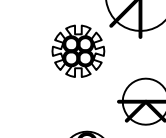
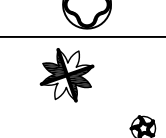
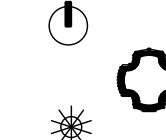
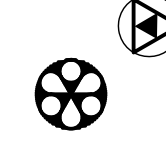
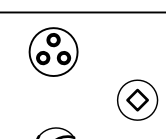
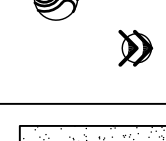
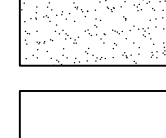
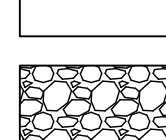
IRRIGATION NOTES

1. ALL IRRIGATION TO UTILIZE AN AUTOMATIC CLOCK AS SPECIFIED. LOCATE POWER SOURCE IN THE FIELD.
2. USE COMMON TRENCHES WHERE POSSIBLE
3. USE PEN-TITES AND SEALER FOR ALL LOW VOLTAGE WIRING WITH ELECTRICAL VALVES
4. ALL MAINLINE TO BE BURIED A MINIMUM OF 18" BELOW FINISH GRADE. ALL LATERALS TO BE BURIED A MINIMUM OF 12" BELOW FINISH GRADE.
5. INSTALL ELECTRIC VALVES IN PLASTIC VALVE BOXES FLUSH WITH GRADE. VALVE BOX LOCATION TO BE APPROVED BY LANDSCAPE ARCHITECT.
6. VACUUM BREAKER TO BE ASSEMBLE WITH ALL HARD COPPER PIPE AND FITTINGS. A UNION SHALL BE INSTALLED ON BOTH INLET AND OUTLET SIDES OF PIPE ABOVE GRADE.
7. MAINTAIN IRRIGATION AS-BUILTS AND TURN OVER TO OWNER PRIOR TO INSTALLATION ACCEPTANCE. AS-BUILT PLANS TO BE AVAILABLE FOR REVIEW AT THE TIME OF FINAL WALK THRU.
8. ALL IRRIGATION EQUIPMENT TO BE LOCATED IN LANDSCAPE AREAS. ALL LINES AND EQUIPMENT LOCATIONS ARE SCHEMATIC.
9. IRRIGATION AND ELECTRICAL SLEEVES TO BE SCH. 40 PVC. ALL SLEEVES TO EXTEND AT LEAST 1" BEYOND CONCRETE STRUCTURES, ALLOW 4'-6" FROM END OF SLEEVES TO FIRST FITTING ON IRRIGATION LINE. ALL SLEEVES TO BE 24" BELOW GRADE AND/OR AS PER OWNER'S SPECIFICATIONS.
10. LANDSCAPE CONTRACTOR RESPONSIBLE FOR ALL REQUIRED IRRIGATION SLEEVEING. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR. VERIFY ANY EXISTING SLEEVES INSTALLED BY OTHER CONTRACTORS.
11. LOCATE EMITTERS ON UPHILL SIDE OF PLANTS ON SLOPED PLANTING AREA OR PER APPROVAL BY ARCHITECT OR OWNER'S REPRESENTATIVE.
12. ALL FEA GRAVEL IN VALVE BOXES TO BE CLEANED FROM TOP OF VALVE SO THAT VALVE IS COMPLETELY VISIBLE, LIP OF VALVE BOX SHALL ALSO BE FREE OF DEBRIS.
13. ALL MATERIAL USED SHALL BE INSTALLED AS PER PLAN AND AS PER MANUFACTURERS SPECIFICATIONS. ANY DEVIATIONS FROM DRAWINGS OR MATERIAL USED SHALL BE APPROVED BY OWNER'S REPRESENTATIVE AND/OR ARCHITECT.
14. LOCATE PRESSURE REGULATOR AND 'Y' STRAINER IN A VALVE BOX AS REQUIRED. REMOTE CONTROL VALVES TO BE LOCATED IN A SEPARATE, ADJACENT VALVE BOX OR A JUMBO VALVE BOX MAY BE USED IN LIEU OF TWO SEPARATE BOXES. ALL BOXES TO BE LOCATED IN PLANTING AREAS AND INSTALLED FLUSH W/GRADE.
15. ALL DRIP SYSTEMS TO BE FLUSHED THROUGH FLUSH CAPS. FLUSH CAPS TO BE LOCATED IN 10' ROUND ECONOMY BOXES. (SEE NOTE #11)
16. ALL PLANTS REQUIRING MORE THAN ONE DRIP EMITTER SHALL HAVE EMITTERS DISTRIBUTED EVENLY AROUND THE EDGE OF THE ROOTBALL.
17. PRIOR TO OWNERS APPROVAL, AN IRRIGATION "TUNE-UP" MUST BE PERFORMED AS FOLLOWS:
 - a. ALL IRRIGATION EQUIPMENT (INCLUDING ALL PIPELINES AND SLEEVES) TO BE DOCUMENTED FROM TWO STATIONARY POINTS.
 - b. ALL DRIP SYSTEMS TO BE FLUSHED BEGINNING WITH THE 'Y' STRAINER, AND WORKING AWAY FROM PRESSURE REGULATOR.
18. IRRIGATION VALVES TO BE LABELED ON A SHEET OF PAPER WITH STATIONS CORRESPONDING TO MARKED LABELS ON TOP OF VALVE BOXES. THIS SHEET TO BE PLACED IN A PLASTIC POUCH AND ATTACHED TO THE INSIDE OF THE CONTROLLER.
19. ALL IRRIGATION SPRAY HEADS ARE TO BE FLUSHED OF DEBRIS AND FLOW CONTROLS ADJUSTED IN ORDER TO ACHIEVE 100% COVERAGE. AVOID SPRAY INTO ALL STREETS, CURBS, SIDEWALKS OR ANY OTHER HARDSCAPE AREA OR STRUCTURE.
20. ALL IRRIGATION HEADS TO BE ADJUSTED TO PROPER HEIGHT.
21. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING MATERIALS AND LABOR TO PROVIDE SPECIFIED ELECTRICAL SERVICE TO ALL CONTROLLER LOCATIONS. ALL ELECTRICAL WORK TO BE PER MANUFACTURER'S SPECIFICATIONS AND PER LOCAL CODE.
22. IRRIGATION PLAN IS SCHEMATIC. ACTUAL BACKFLOW PREVENTOR LOCATION TO BE SCREENED FROM VIEW BY PLANT MATERIAL. REFER TO PLANTING PLAN FOR SCREENING.
23. CONTROLLER WIRE SHALL BE A DIFFERENT COLOR FOR TREE LINES AND DRIP LINES. AT LEAST ONE EXTRA CONTROL WIRE TO BE RUN TO THE FARTHEST VALVE LOCATION OF THE SYSTEM.
24. ALL IRRIGATION LINES ARE SCHEMATIC. THE CONTRACTOR IS RESPONSIBLE FOR RUNNING IRRIGATION LINES TO ALL TREES, SHRUBS, AND GROUNDCOVER ON THE PROJECT. ALL IRRIGATION EQUIPMENT SHALL BE LOCATED IN LANDSCAPE AREAS AND WITHIN THE LIMITS OF WORK.
25. IRRIGATION LINES SHALL RUN PARALLEL TO THE HIGH SIDE OF SLOPES WHEREVER POSSIBLE.
26. TREES ARE TO BE VALVED SEPARATELY FROM SHRUBS AND GROUNDCOVER.
27. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING AND INSTALLING ALL SLEEVEING NECESSARY TO RUN IRRIGATION LINES AND CONTROL WIRE UNDER ANY REQUIRED HARDSCAPE AREAS, WALLS, ETC.
28. CONTRACTOR SHALL ADJUST ALL SPRAY HEADS AS NECESSARY TO AVOID OVER SPRAY ONTO ALL WALKS, CURBS, OR ANY OTHER HARDSCAPE AREAS AND TO ACHIEVE 100% COVERAGE.
29. CONTRACTOR TO PROVIDE EMITTERS TO ALL TREES IN TURF AREAS. EMITTERS TO TREES IN TURF AREAS SHALL BE BURIED IN PLASTIC BOXES. TOP OF BOXES TO BE FLUSH WITH GRADE.
30. EXISTING CITY OF SURPRISE IRRIGATION SHALL BE MODIFIED IN RIGHT OF WAY AND CONNECTED TO THE NEW SYSTEM. MAINTAIN ANY THROUGH IRRIGATION REQUIREMENTS
31. CONTRACTOR TO CAP OFF OR ABANDON EXISTING IRRIGATION TO PLANT MATERIAL AND PROVIDE NEW IRRIGATION FRO PROJECT TO EXISTING RIGHT OF WAY LANDSCAPING.

CITY OF SURPRISE GENERAL NOTES

1. CONTRACTOR TO OBTAIN PERMITS FROM LOCAL AGENCIES AND UTILITY COMPANIES HAVING JURISDICTION OVER THE SITE.
2. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL THE WORK INDICATED ON THE LANDSCAPE DOCUMENTS. HE SHALL BE RESPONSIBLE FOR CAREFUL SITE INSPECTION, DETAILED REVIEW OF PLANS AND COORDINATION WITH OTHER CONTRACTORS ON-SITE PRIOR TO ANY INSTALLATION. ANY DISCREPANCIES SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER'S AGENT.
3. ALL QUANTITIES PROVIDED ARE FOR BIDDING PURPOSES ONLY. LANDSCAPE CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISH GRADES IN LANDSCAPE AREAS. HE SHALL DETERMINE, WITH THE GENERAL CONTRACTOR, THE EXTENT OF ROUGH GRADING AND/ OR FINE GRADING TO BE ESTABLISHED BY OTHERS.
5. ALL GRADING AND DRAINAGE SHALL BE IN ACCORDANCE WITH THE PLANS PREPARED BY THE PROJECT CIVIL ENGINEER OR AS DIRECTED BY THE OWNER'S AGENT. PROVIDE POSITIVE DRAINAGE AWAY FROM ANY BUILDINGS IN ALL CONDITIONS. CONTRACTOR TO MEET ALL EXISTING GRADES AT PROJECT BOUNDARIES. FINISH GRADE OF LANDSCAPE AREAS SHALL BE 3" BELOW THE TOP OF ADJACENT WALKS AND CURBS PRIOR TO RECEIVING DECOMPOSED GRANITE OF GRASS SEED/SOD.
6. ALL SIGNS AND SIGNAGE REQUIRE A CITY OF SURPRISE SEPARATE PERMIT.
7. ALL TREES AND SHRUBS LOCATED IN THE LINE-OF-SIGHT WILL BE MAINTAINED FOR A CLEAR AREAS BETWEEN 2' TO 7'.

PLANT LEGEND

PLANT LEGEND		SIZE	QTY.	REMARKS	
TREES		ACACIA ANEURA / MULGA	24" BOX	53	STANDARD
		ACACIA SALICINA/WILLOW ACACIA	24" BOX	128	STANDARD
		CHILOPSIS SP. 'RIO SALADO' / 'RIO SALADO' DESERT WILLOW	24" BOX	310	STANDARD
		OLNEYA TESOTA / IRONWOOD	24" BOX	57	MULTI-TRUNK
		PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE	24" BOX	68	STANDARD
		PARKINSONIA MICROPHYLLUM/FOOTHILLS PALO VERDE	24" BOX	49	MULTI-TRUNK
		PROSOPIS HYBRID 'AZT' / "AZT THORNLESS MESQUITE'	24" BOX	80	MULTI-TRUNK
SHRUBS		CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER	5 GAL.	889	CAN FULL
		ENCELIA FARINOA / BRITTLEBUSH	5 GAL.	930	CAN FULL
		HYPTIS EMORYI / DESERT LAVENDER	5 GAL.	353	CAN FULL
		JUSTICIA CALIFORNICA / CHUPAROSA	5 GAL.	293	CAN FULL
		LARREA TRIDENTATA / CREOSOTE BUSH	5 GAL.	609	CAN FULL
		LEUCOPHYLLUM LAEVIGATUM / CHIHUAHUA SAGE	5 GAL.	517	CAN FULL
		SIMMONDSIA CHINENSIS / JOJOBA	5 GAL.	252	CAN FULL
ACCENTS		SPHAERALCEA AMBIGUA / GLOBE MALLOW	5 GAL.	470	CAN FULL
		AGAVE AMERICANA / AMERICAN AGAVE	5 GAL.	129	CAN FULL
		AGAVE FARRII / FARRY'S AGAVE	5 GAL.	344	CAN FULL
		ASCLEPIUS SUBULATA/ DESERT MILKWEED	5 GAL.	158	CAN FULL
		BOUTELOUA GRACILIS / BLONDE AMBITION GRASS	5 GAL.	431	CAN FULL
		DASYLIIRION WHEELERI/ DESERT SPOON	5 GAL.	207	CAN FULL
		FOUQUERIA SPLENDENS / OCOTILLO	24" BOX	31	GRADE B
GROUND COVERS		HESPERALOE PARVIFLORA 'PERPA' / BRAKELIGHTS RED YUCCA	5 GAL.	417	CAN FULL
		MUHLENBERGIA RIGENS / DEER GRASS	5 GAL.	457	CAN FULL
		OPUNITA ENGELMANNII / NATIVE PRICKLY PEAR	5 GAL.	33	2 PADS MIN.
		AMBROSIA DELTOIDEA / TRIANGLELEAF BUR-SAGE	5 GAL.	825	CAN FULL
		BAILEYA MULTIRADIATA / DESERT MARIGOLD	5 GAL.	775	CAN FULL
		EREMOPHILA GLABRA HYB. / 'OUTBACK SUNRISE'	5 GAL.	269	CAN FULL
		PENSTEMON PARRYI / FARRY'S PENSTEMON	5 GAL.	372	CAN FULL
GROUND COVERS		TURF- MID-IRON BERMUDA SOD.	SQ. FT.	117,385	
		DECOMPOSED GRANITE- TO BE DETERMINED BY OWNER.	SQ. FT.	741,112	
		RIP-RAP- SEE CIVIL PLANS.			
		6" CONCRETE HEADER - NATURAL COLOR	LN.FT	1614	

LANDSCAPE NOTES

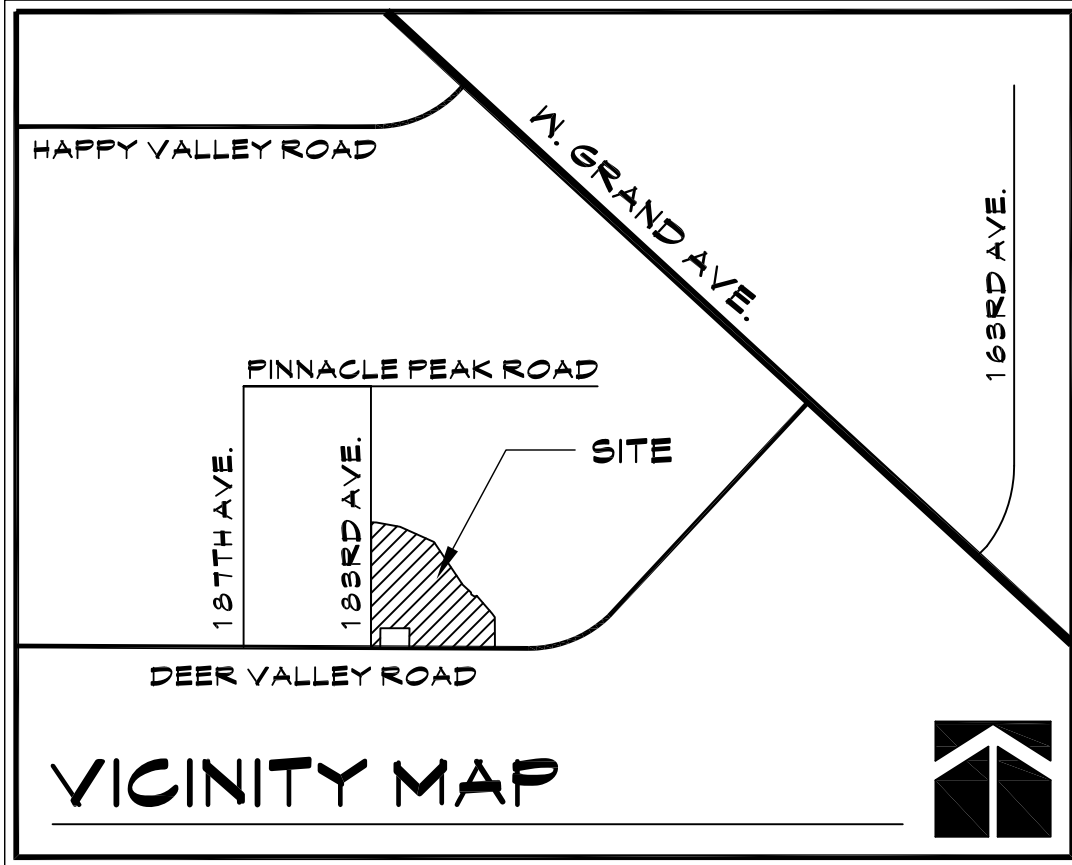
1. PROVIDE LANDSCAPE ARCHITECT A SAMPLE OF DECOMPOSED GRANITE FOR APPROVAL PRIOR TO DELIVERY TO THE SITE.
2. PREPARED BACKFILL FOR PLANTING PITS SHALL BE 4 PARTS NATIVE SOIL TO 1 PART NITROGEN STABILIZED MULCH. MIX MULCH AND SOIL BACKFILL THOROUGHLY TO CREATE BACKFILL PRIOR TO PLACING IN PIT.
3. TOPSOIL TO CONFORM TO THE REQUIREMENTS OF MAG SPECIFICATION, SECTION 7.95. PROVIDE A WRITTEN DESCRIPTION OF CERTIFICATION OF ORIGINAL ORIGIN OF TOPSOIL TO LANDSCAPE ARCHITECT PRIOR TO DELIVERY TO THE SITE.
4. PLANT TABLETS TO BE AGRIFORM 21 GRAM, 20-10-5 FERTILIZER TABLETS.
5. CONTRACTORS RESPONSIBILITY TO FIELD ESTIMATED DECOMPOSED GRANITE QUANTITIES. INDICATE THE UNIT PRICE ONLY AT THE TIME OF BIDDING.
6. ALL PLANTS MUST BE INSPECTED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PLANTING.
7. PLANT QUANTITIES ON THE PLANT LIST ARE PROVIDED AS A CONVENIENCE TO THE CONTRACTOR, PLANS TAKE PRECEDENCE.
8. LANDSCAPE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES FOR PROTECTION PRIOR TO CONSTRUCTION. CONTACT BLUE STAKE AT 602-263-1100 OR 1-800-782-5348.
9. PRIOR TO BIDDING, THE LANDSCAPE SUPERINTENDENT AND WALK THE SITE TO DETERMINE THE FULL EXTENT OF DEMOLITION WORK REQUIRED.
10. THE LANDSCAPE CONTRACTOR SHALL WARRANTY THE WORK FOR A PERIOD OF ONE YEAR.
11. CLARIFICATION OF DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND THE SITE SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
12. BEFORE WORK BEGINS ON THE PROJECT, THE LANDSCAPE CONTRACTOR SHALL REVIEW THE PROJECT WITH THE ARCHITECT AND/OR OWNER'S REPRESENTATIVE.
13. THE LANDSCAPE ARCHITECT, OWNER'S REPRESENTATIVE, AND THE CITY OF SURPRISE IS TO APPROVE ANY AND ALL SUBSTITUTIONS.
14. THE LANDSCAPE ARCHITECT AND /OR OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REFUSE ANY PLANT MATERIAL DEEMED UNACCEPTABLE. ALL PLANT MATERIAL SHALL BE INSPECTED PRIOR TO INSTALLATION.
15. UNLESS OTHERWISE NOTED ON PLANS, DECOMPOSED GRANITE SHALL EXTEND UNDER SHRUBS AND RAKED UNIFORMLY ALONG WALLS, SIDEWALKS, AND CURBS.
16. SEE ENGINEERING OR ARCHITECTURAL DRAWINGS FOR DRAINAGE FLOWS. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE THAT THESE ARE PROVIDED AND ARE NOT IMPAIRED WITH OBSTRUCTIONS.
17. DOUBLE STAKE ALL TREES OUTSIDE ROOTBALL.
18. LANDSCAPE CONTRACTOR TO PROVIDE BARRICADES ALONG PUBLIC STREETS IF REQUIRED DURING INSTALLATION.
19. LANDSCAPE CONTRACTOR SHALL INSPECT WITH OWNER'S REPRESENTATIVE ALL SIDEWALK AND CURB DEFECTS PRIOR TO BEGINNING WORK. ALL HARDSCAPE TO BE REINSPECTED DURING FINAL WALK THRU. ANY DAMAGED AREAS TO BE REPAIRED AT CONTRACTOR'S EXPENSES.
20. PLANTS TOBE LOCATED AWAY FROM OBSTACLES SUCH AS FIRE HYDRANTS, TRANSFORMERS, POWER POLES, AND LIGHT FIXTURES AS NECESSARY.
21. LANDSCAPE CONTRACTOR TO CONTACT ARCHITECT AND/OR OWNER'S REPRESENTATIVE BEFORE EACH APPLICATION OFFRE-EMERGENT FOR VERIFICATION. MINIMUM 2 APPLICATIONS REQUIRED.
22. LANDSCAPE PLANS MUST CONFORM TO CIVIL DRAWINGS.

SHEET INDEX

SHEET	SHEET DESCRIPTION
LO.1	COVER SHEET
L1.1 - L1.16	LANDSCAPE PLANS
L2.1 - L2.16	IRRIGATION PLANS
L3.1	WALL PLAN
L4.1-L4.2	AMENITIES SCHEDULE
L5.1-L5.4	DETAILS

SPECIAL NOTES:

1. INSTALL TREE ROOT BARRIERS WHEN TREES ARE LOCATED WITHIN 10' OF SIDEWALKS, CURBING.
2. CONTRACTOR TO INSTALL ALL MATERIALS AS SPECIFIED IN THE PLAN SET, OR AN APPROVED EQUIVALENT BY THE OWNER/LANDSCAPE ARCHITECT.
3. STREET TREES WILL BE LOCATED IN THE LANDSCAPED AREA BETWEEN THE SIDEWALKS AND CURB. LOCAL STREETS WILL HAVE A MINIMUM OF ONE 24-INCH BOX TREE AND FOUR FIVE-GALLON SHRUBS AND/OR GROUND COVER PLANTS PER HOME FRONTAGE FOR LOTS UP TO 50 FEET WIDE. HOMES WITH FRONTAGES GREATER THAN 50 FEET WIDE WILL HAVE AN ADDITIONAL TREE AND TWO SHRUBS AND/OR GROUNDCOVER PLANTS. CORNER LOTS WITH SIDEYARDS THAT DO NOT HAVE LANDSCAPE TRACTS WILL HAVE A MINIMUM OF (2) 24-INCH BOX TREES AND (3) FIVE GALLON SHRUBS.
4. TREE SPECIES PERMITTED WITHIN THE R.O.W.:
 - ACACIA SALICINA (WILLOW ACACIA)
 - ACACIA STENOPHYLLA (SHOESTRING ACACIA)
 - ACACIA WILLARDIANA (PALO BLANCO)
 - CALLISTEMON RIGIDUS (BOTTLEBRUSH)
 - QUERCUS VIRGINIANA (SOUTHERN LIVE OAK)
 - SOPHORA SECUNDIFLORA (TEXAS MTN. LAUREL)
 - CHILOPSIS LINEARIS (DESERT WILLOW)
 - OLEA EUROPAEA (SWAN HILL OLIVE)
 - FRAXINUS GREGGII (LITTLE LEAF ASH)
5. TREES WITH THORNS ARE TO BE LOCATED A MINIMUM OF 10' FROM PEDESTRIAN ROUTES.

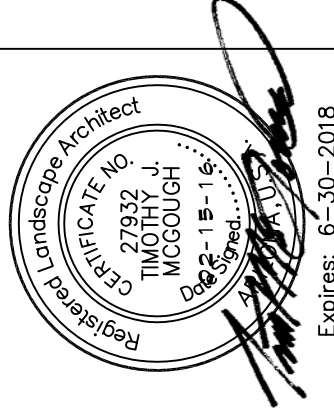


McGough Group

Landscape Architecture
Urban Design • Site Imaging
Parks and Recreation

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E-Mail: Timm@mg-az.com



COVER SHEET
AUSTIN RANCH WEST - PARCEL 1

NEC OF 189RD AVE AND DEER VALLEY RD.
SURPRISE, ARIZONA

PREPARED FOR: COURTLAND HOMES

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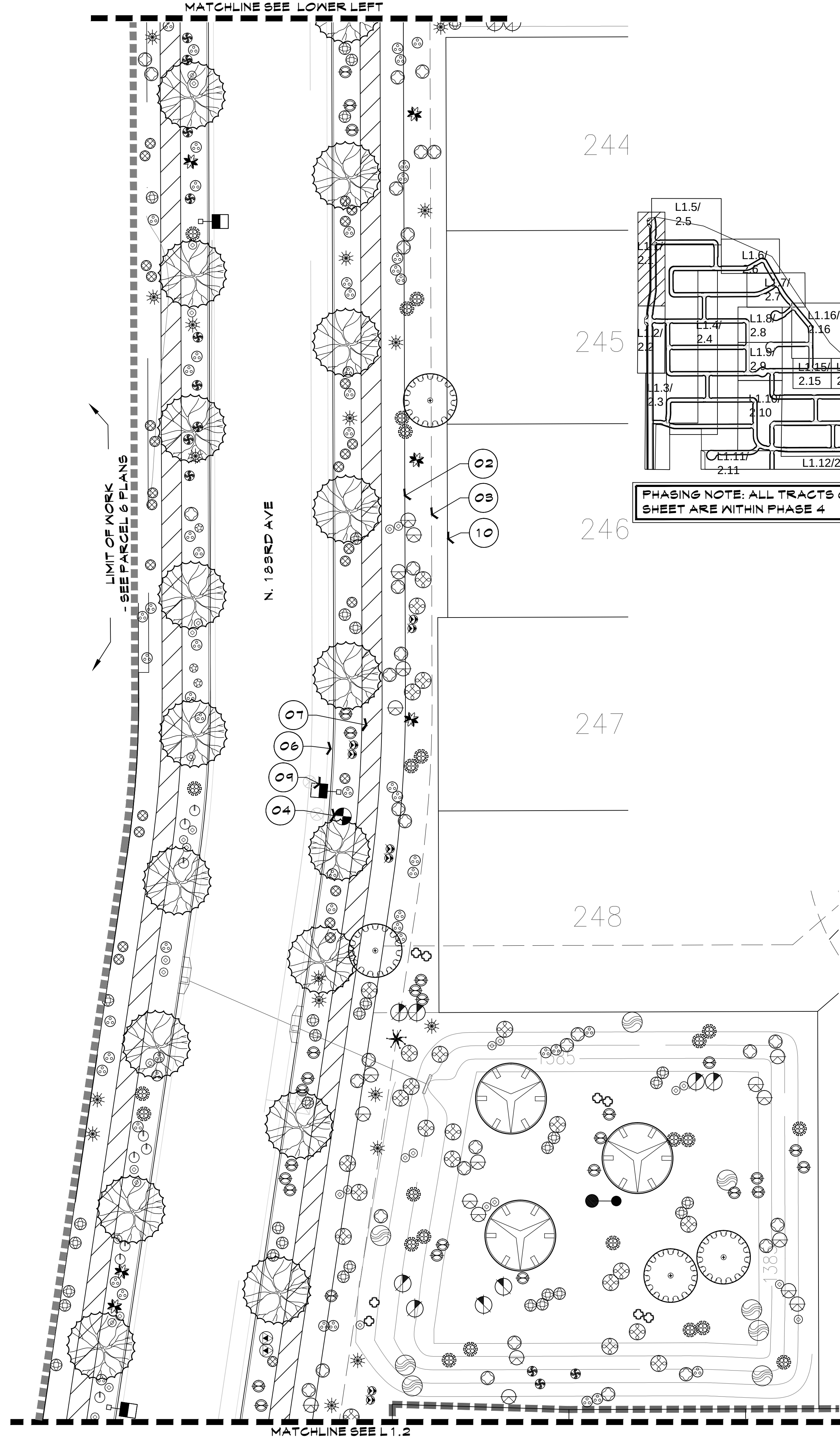
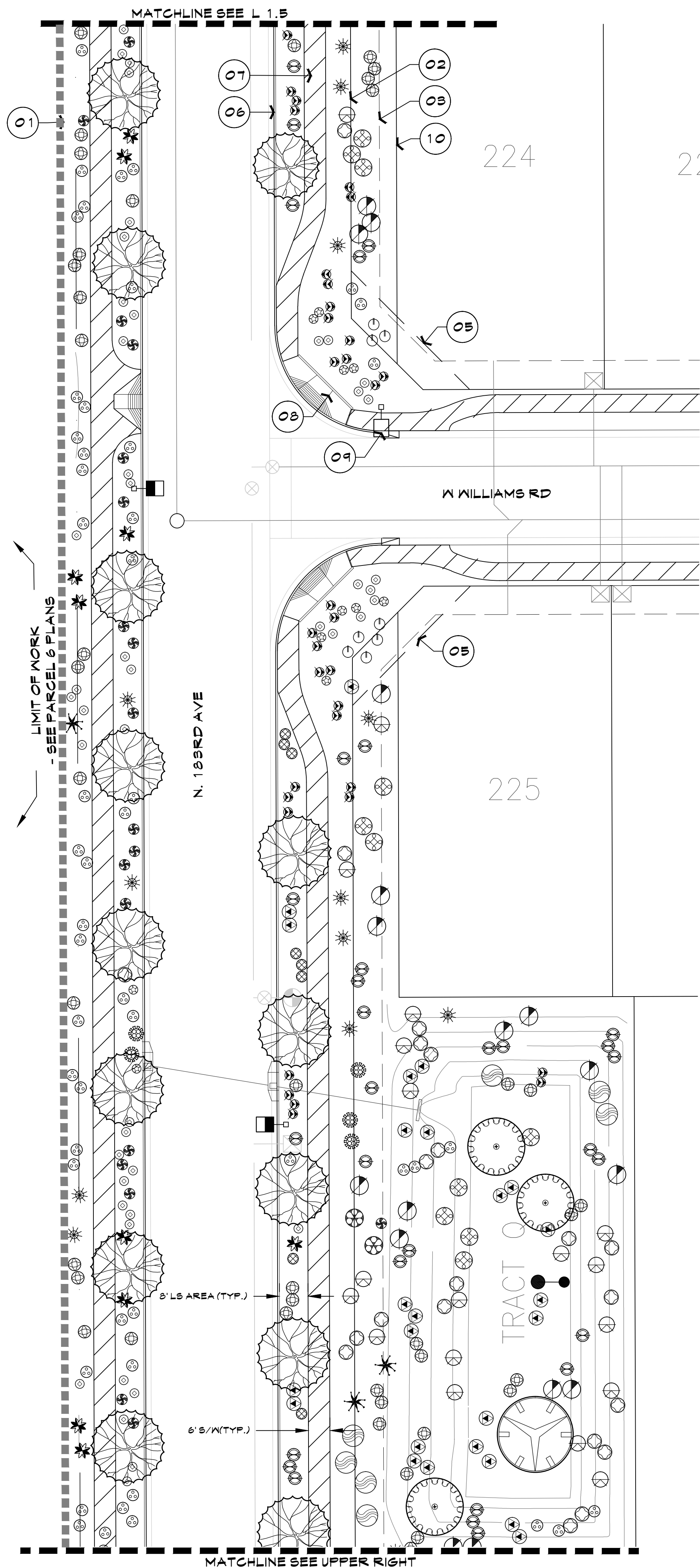
JOB NO. 14-42
DATE: 02-15-16
DRAWN BY: NA
CHECKED BY: TM

REVISIONS:

SHEET NO.

LO.1





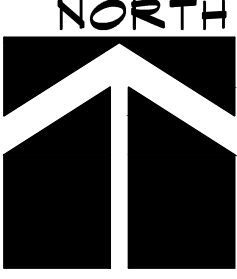
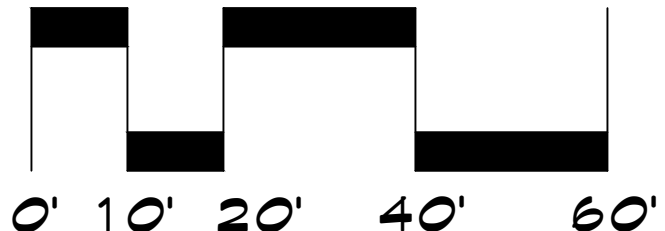
PLANT LEGEND

TREES	ACACIA ANEURA / MULGA
	ACACIA SALICINA / WILLOW ACACIA
	CHILOPSIS SP. 'RIO SALADO' / 'RIO SALADO' DESERT WILLOW
	OLNEYA TESOTA / IRONWOOD
	PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE
	PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE
	PROSOPIS HYBRID 'AZT' / 'AZT THORNLESS MESQUITE'
SHRUBS	CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER
	ENCELIA FARINOA / BRITTLEBUSH
	HYPTIS EMORYI / DESERT LAVENDER
	JUSTICIA CALIFORNICA / CHUPAROSA
	LARREA TRIDENTATA / CREOSOTE BUSH
	LEUCOPHYLLUM LAEVIGATUM / CHIHUAHUA SAGE
	SIMMONDSIA CHINENSIS / JOJOBA
	SPHAERALCEA AMBIGUA / GLOBE MALLOW
ACCENTS	AGAVE AMERICANA / AMERICAN AGAVE
	AGAVE PARRII / PARRY'S AGAVE
	ASCLEPIUS SUBULATA / DESERT MILKWEED
	BOUQUET GRASS / BLONDE AMBITION GRASS
	DASYLIRION WHEELERI / DESERT SPOON
	FOUGERIA SPLENDENS / OCOTILLO
	HESPERALOE PARVIFLORA 'PERFA' / BRAKELIGHTS RED YUCCA
	MUHLENBERGIA RIGENS / DEER GRASS
	OPUNTIA ENGELMANNII / NATIVE PRICKLY PEAR
GROUND COVERS	AMEROSIA DELTOIDEA / TRIANGLELEAF BUR-SAGE
	BAILEYA MULTIRADIATA / DESERT MARIGOLD
	EREMOPHILA GLABRA HYB. / 'OUTBACK SUNRISE'
	PENSTEMON PARRYI / PARRY'S PENSTEMON
	TURF- MID-IRON BERMUDA SOD.
	DECOMPOSED GRANITE- TO BE DETERMINED BY OWNER.
	RIP-RAP- SEE CIVIL PLANS.
	6" CONCRETE HEADER - NATURAL COLOR

CONSTRUCTION KEY NOTES

- 01 PROPERTY/PARCEL LINE (TYP.)
- 02 RIGHT OF WAY (TYP.)
- 03 PUBLIC UTILITY EASEMENT (TYP.)
- 04 FIRE HYDRANT (3' CLEAR ON ALL SIDES)
- 05 33' X 33' SIGHT VISIBILITY LINE
- 06 CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- 07 CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- 08 ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- 09 STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 10 6' HIGH CMU THEME WALL - SEE WALL PLAN
- 11 6' HIGH CMU/IRON VIEW FENCE - SEE WALL PLAN
- 12 DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 13 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER MAG STD DTL 230. SCORE AS SHOWN.
- 14 6" WIDE CONCRETE HEADER
- 15 6' BENCH ON A 3' X 8' CONCRETE PAD, 4" THICK. - SEE AMENITIES SCHEDULE ON SHEETS L4.1 AND L4.2
- 16 DOG WASTE BAGS/DISPOSAL
- 17 AMENITIES/PLAYGROUND AREA

SCALE: 1"=20'-0"



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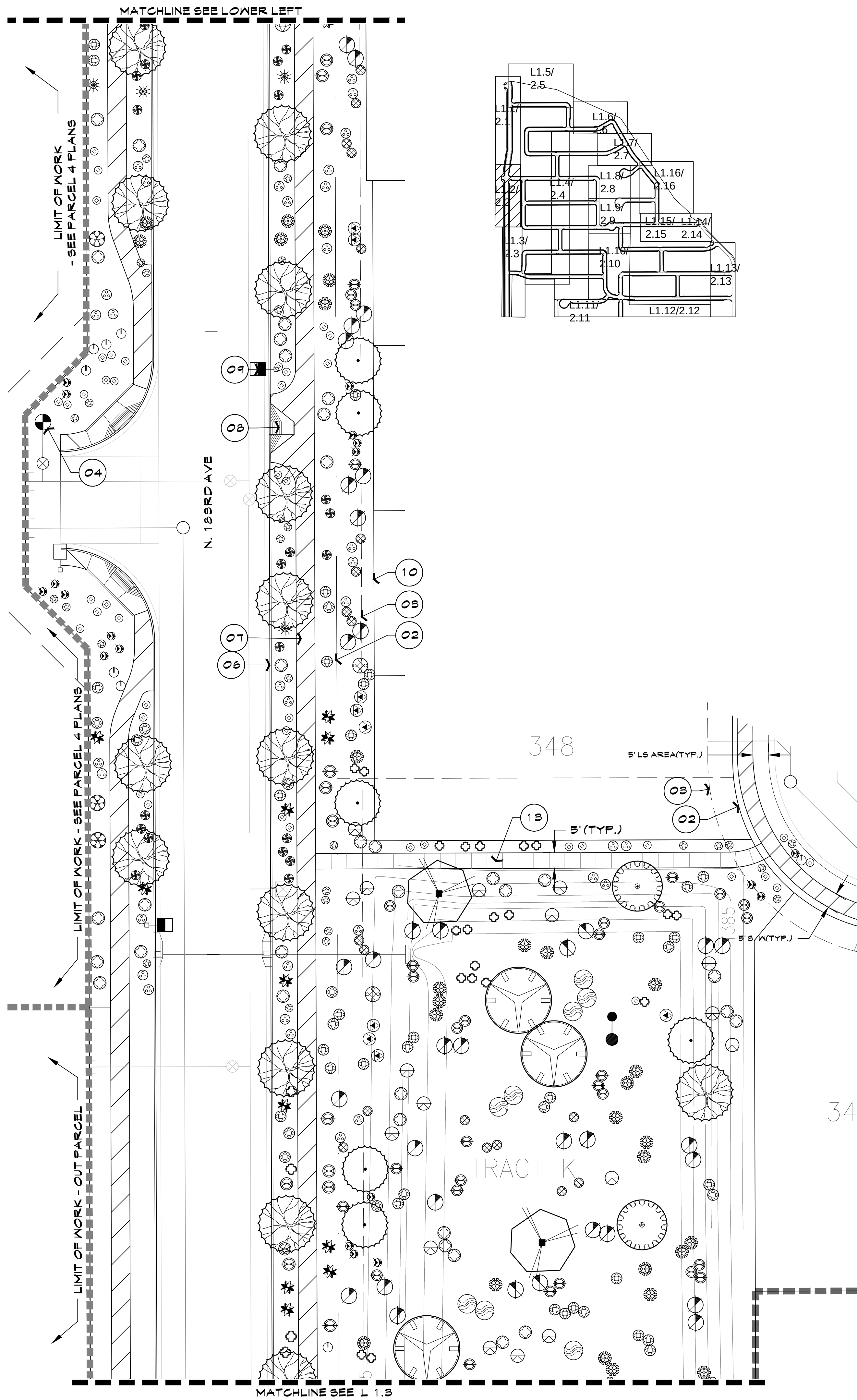
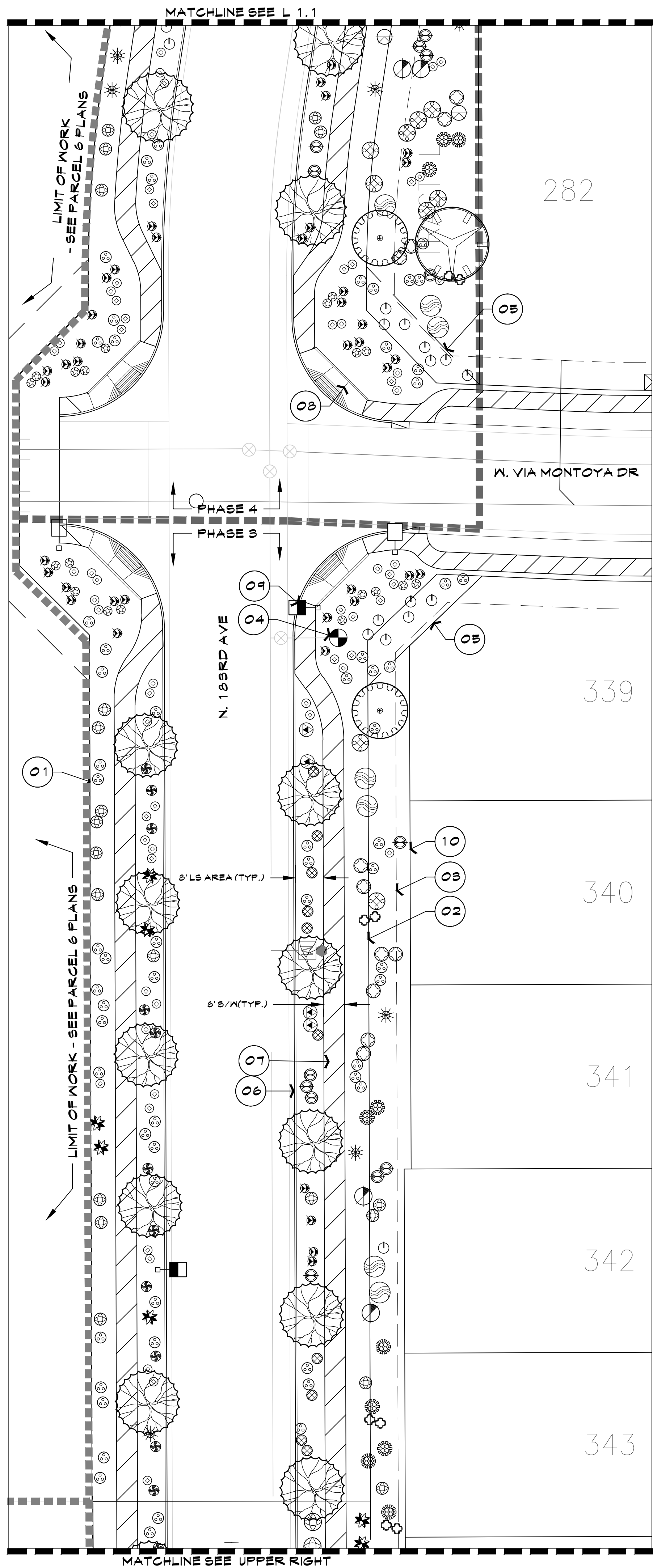
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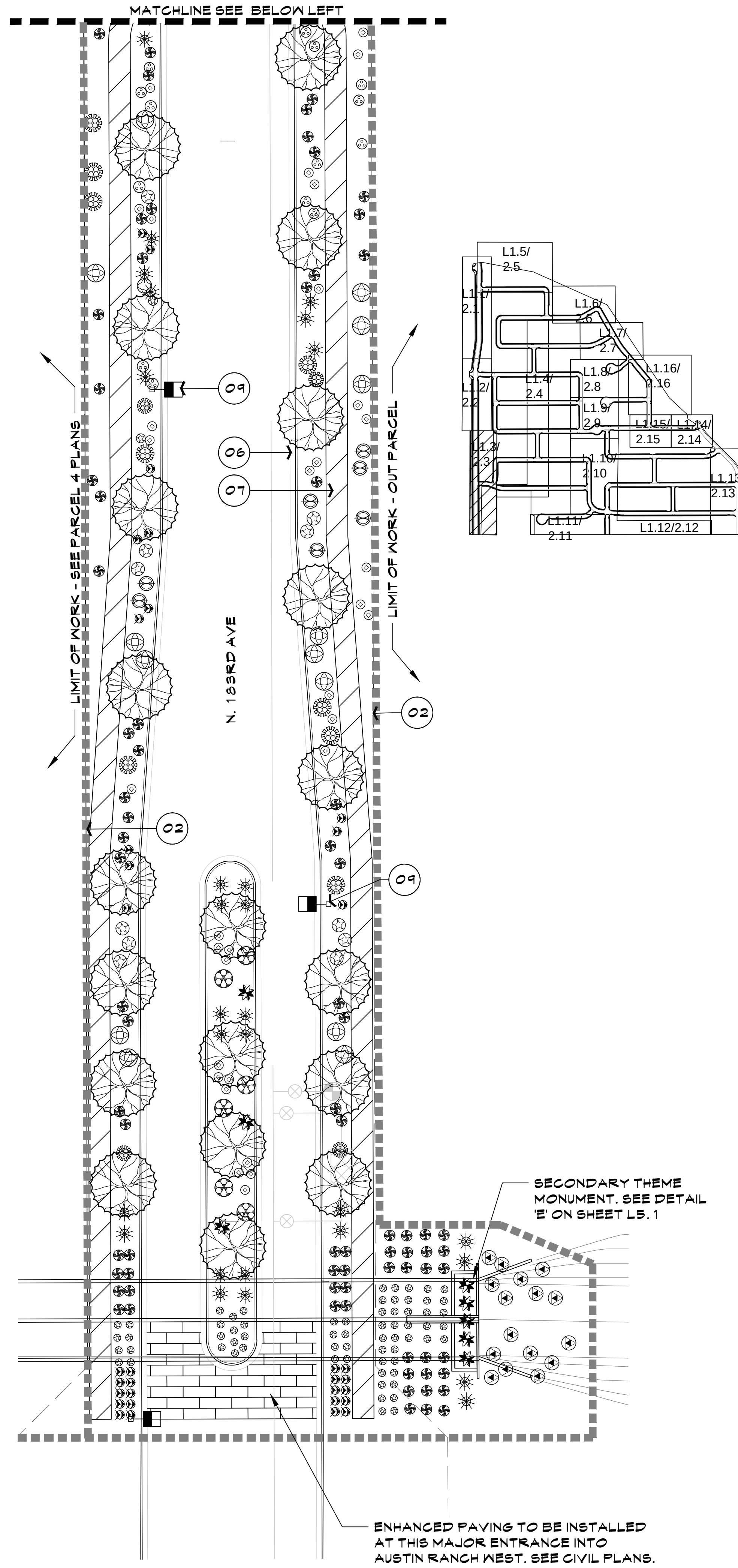
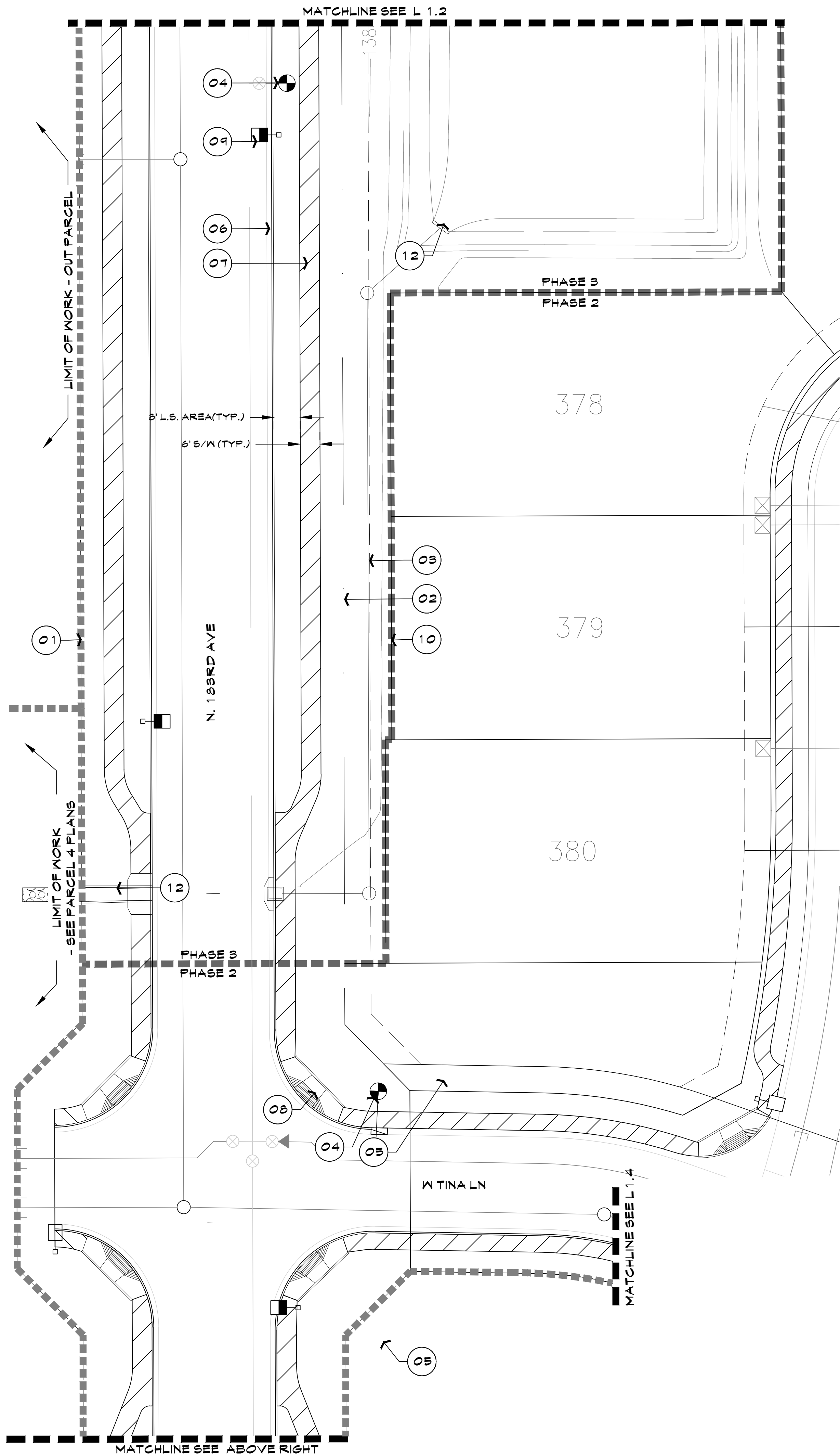
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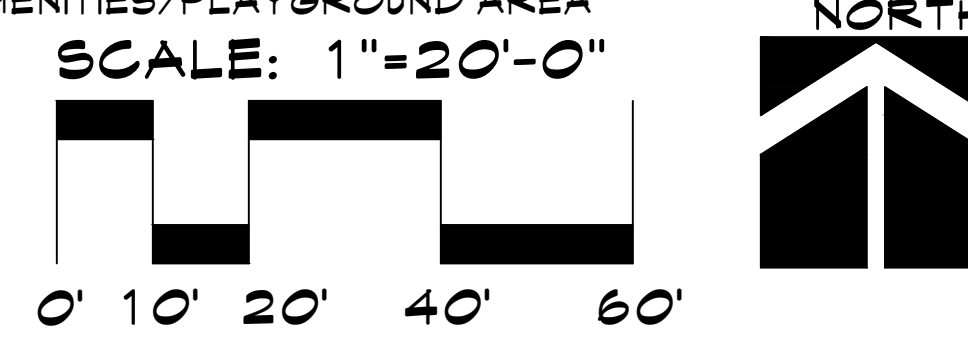
SHEET NO. L 1.1





PLANT LEGEND	
TREES	ACACIA ANEURA / MULGA ACACIA SALICINA/WILLOW ACACIA CHILOPSIS SP. 'RIO SALADO'/'RIO SALADO' DESERT WILLOW OLNEYA TESOTA / IRONWOOD PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE PARKINSONIA MICROPHYLLUM/FOOTHILLS PALO VERDE PROSOPIS HYBRID 'AZT' / 'AZT THORNLESS MESQUITE'
SHRUBS	CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER ENCELIA FARINOA / BRITTLEBUSH HYPTIS EMORYI / DESERT LAVENDER JUSTICIA CALIFORNICA / CHUPAROSA LARREA TRIDENTATA / CREOSOTE BUSH LEUCOPHYLLUM LAEVIGATUM / CHIHUAHUAN SAGE SIMMONDSIA CHINENSIS / JOJOBA SPHAERALCEA AMBIGUA / GLOBE MALLOW
ACCENTS	AGAVE AMERICANA / AMERICAN AGAVE AGAVE PARRII / PARRY'S AGAVE ASCLEPIUS SUBULATA/ DESERT MILKWEED BOUTELOUA GRACILIS / BLONDE AMBITION GRASS DASYLIRION WHEELERI/ DESERT SPOON FOUQUERIA SPLENDENS / OCOTILLO HESPERALOE PARVIFLORA 'PERPA' / BRAKELIGHTS RED YUCCA MUHLENBERGIA RIGENS / DEER GRASS OPUNITA ENGELMANNII / NATIVE PRICKLY PEAR
GROUND COVERS	AMBROSIA DELTOIDEA / TRIANGLELEAF BUR-SAGE BAILEYA MULTIRADIATA / DESERT MARIGOLD EREMOPHILA GLABRA HYB. / 'OUTBACK SUNRISE' PENSTEMON PARRYI / PARRY'S PENSTEMON
	TURF- MID-IRON BERMUDA SOD. DECOMPOSED GRANITE- TO BE DETERMINED BY OWNER. RIP-RAP- SEE CIVIL PLANS. 6" CONCRETE HEADER - NATURAL COLOR

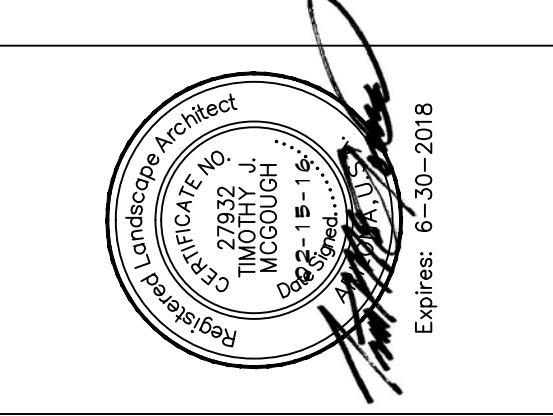
- CONSTRUCTION KEY NOTES**
- PROPERTY/PARCEL LINE (TYP.)
 - RIGHT OF WAY (TYP.)
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 - FIRE HYDRANT (3' CLEAR ON ALL SIDES)
 - 33' X 33' SIGHT VISIBILITY LINE
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 - CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
 - ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
 - STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
 - 6' HIGH CMU THEME WALL - SEE WALL PLAN
 - 6' HIGH CMU/IRON VIEW FENCE - SEE WALL PLAN
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 - 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER MAG STD DTL 230. SCORE AS SHOWN.
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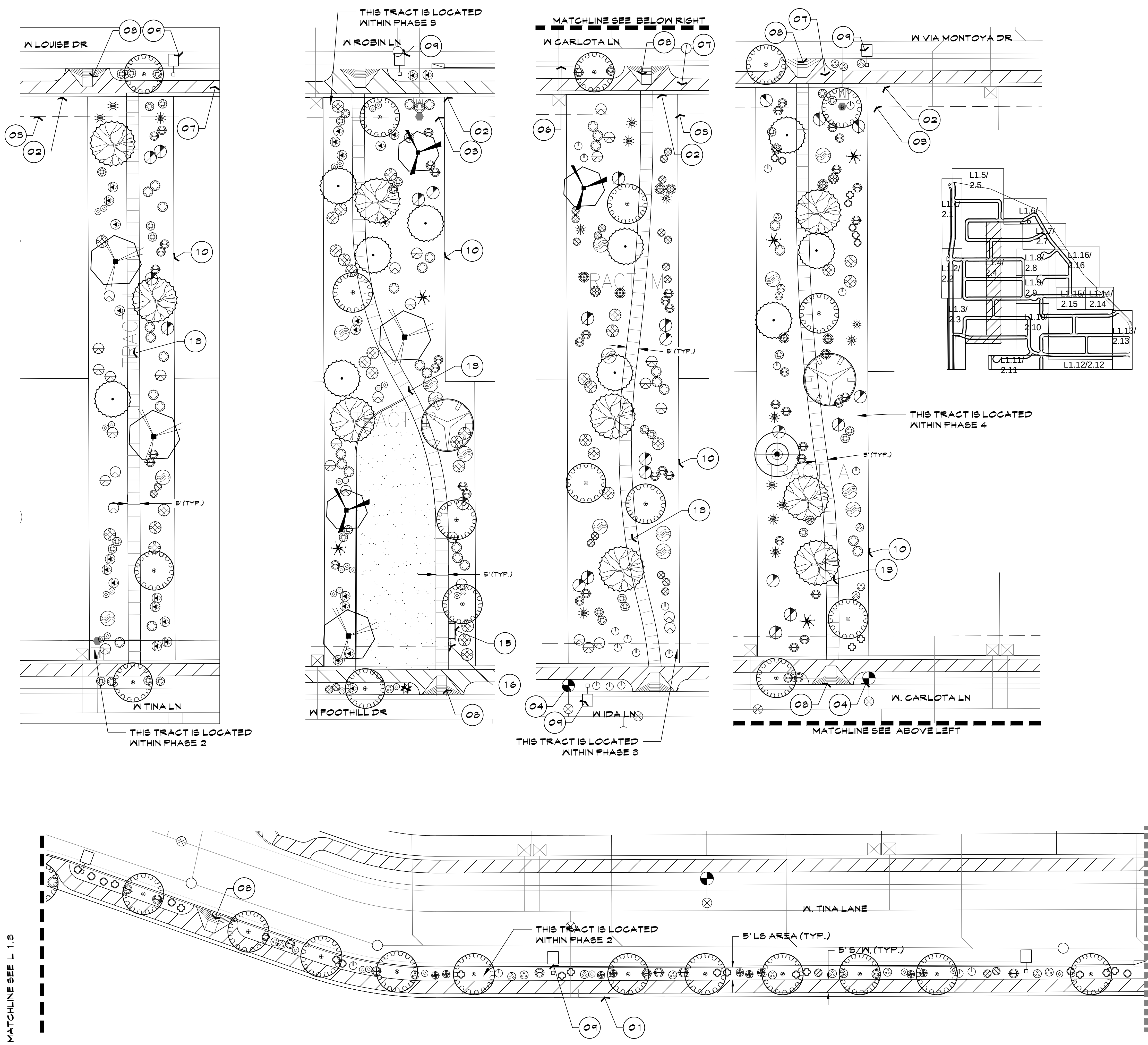
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4 OF 40

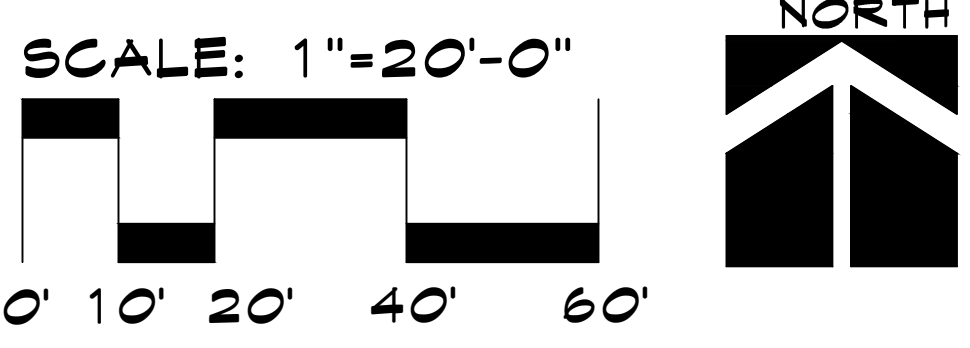


PLANT LEGEND

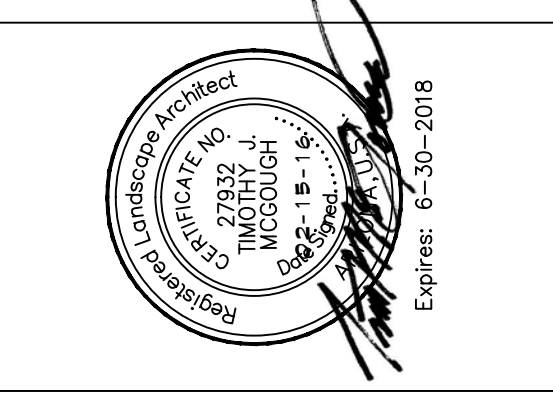
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		ACACIA SALICINA / WILLOW ACACIA
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		SIMMONDSIA CHINENSIS / JOJOBA
		SPHAERALCEA AMBIGUA / GLOBE MALLOW
GROUND COVERS		AGAVE AMERICANA / AMERICAN AGAVE
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		DECOMPOSED GRANITE- TO BE DETERMINED BY OWNER.
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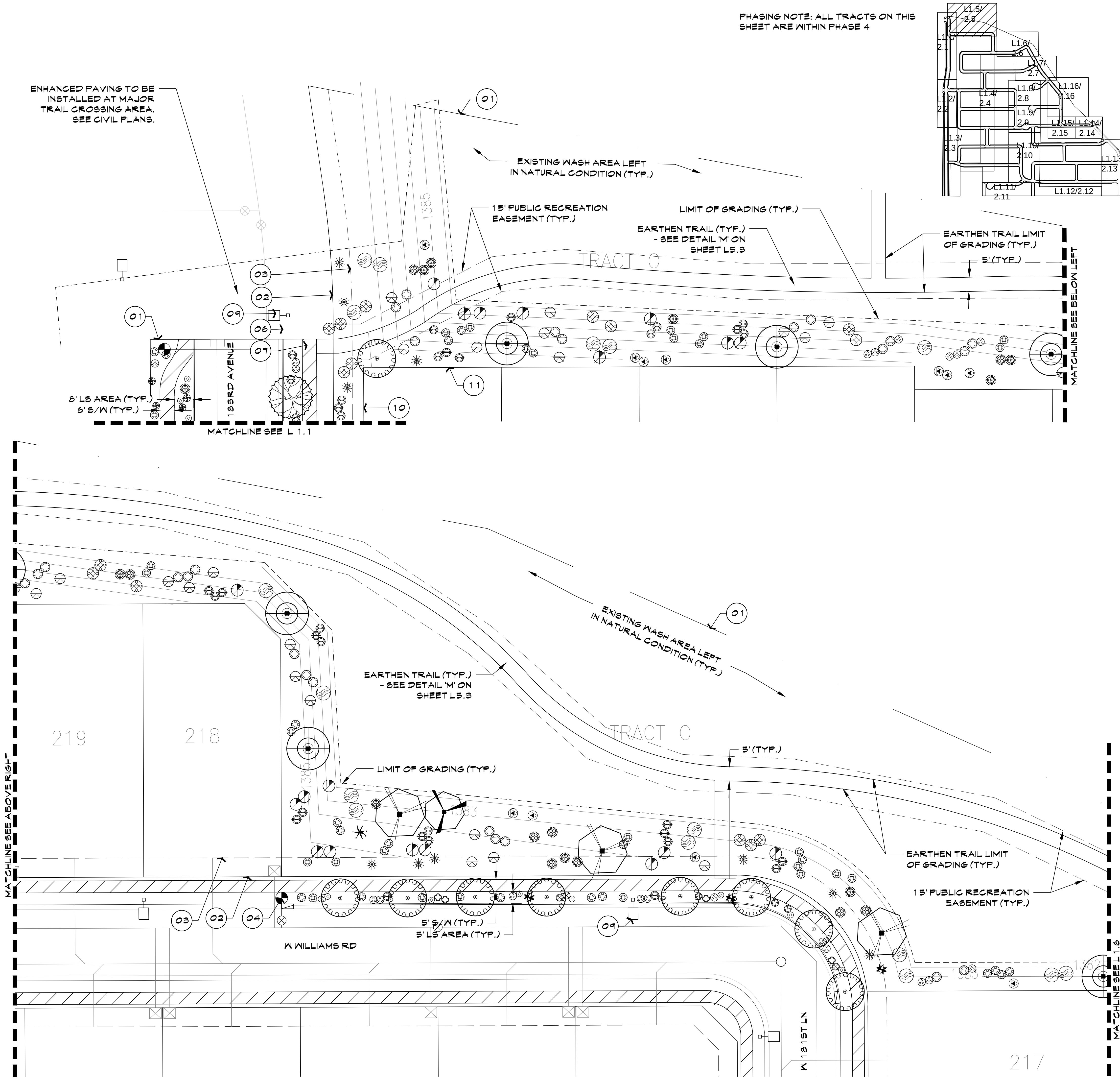


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NEC OF 189RD AVE AND DEER VALLEY RD.
SURPRISE, ARIZONA
PREPARED FOR: COURTLAND HOMES

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REVISIONS:



PHASING NOTE: ALL TRACTS ON THIS SHEET ARE WITHIN PHASE 4

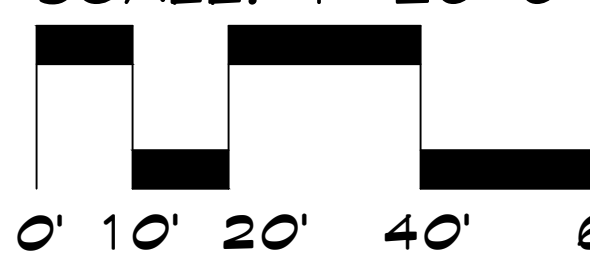
PLANT LEGEND

TREES		ACACIA ANEURA / MULGA
		ACACIA SALICINA / WILLOW ACACIA
		CHILOPSIS SP. 'RIO SALADO' / 'RIO SALADO' DESERT WILLOW
		OLNEYA TESOTA / IRONWOOD
SHRUBS		PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE
		PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE
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GROUND COVERS		TURF - MID-IRON BERMUDA SOD.
		DECOMPOSED GRANITE - TO BE DETERMINED BY OWNER.
		RIP-RAP - SEE CIVIL PLANS.
		6" CONCRETE HEADER - NATURAL COLOR

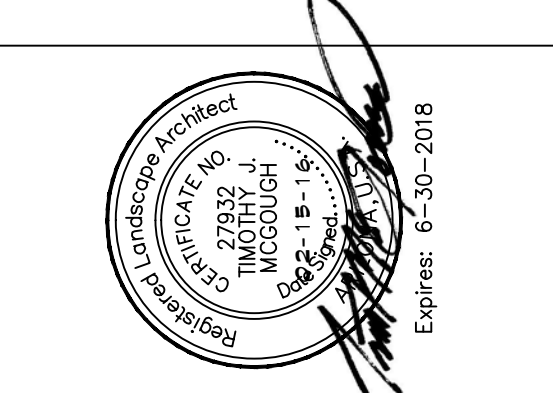
CONSTRUCTION KEY NOTES

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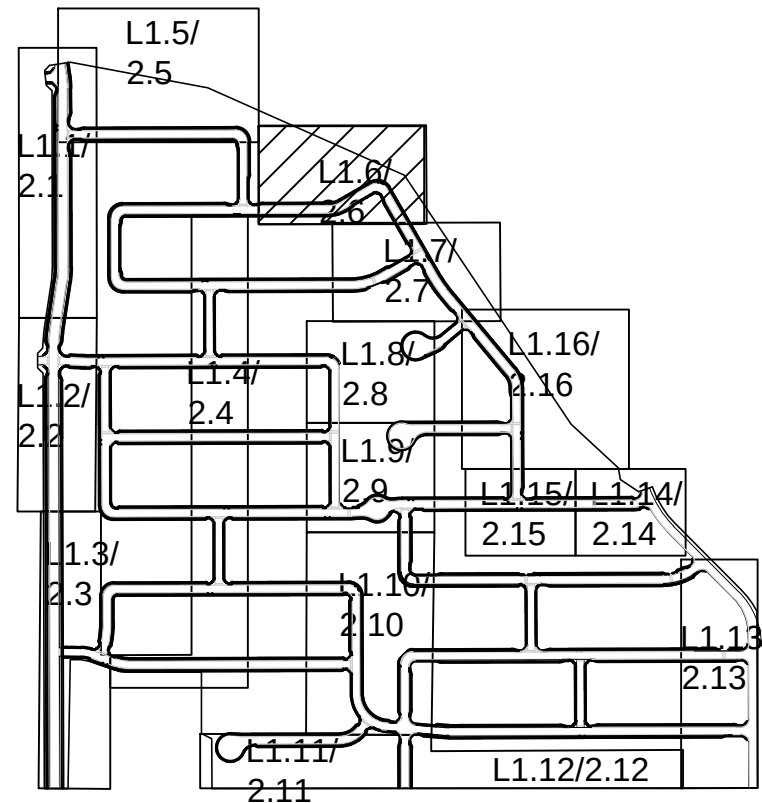
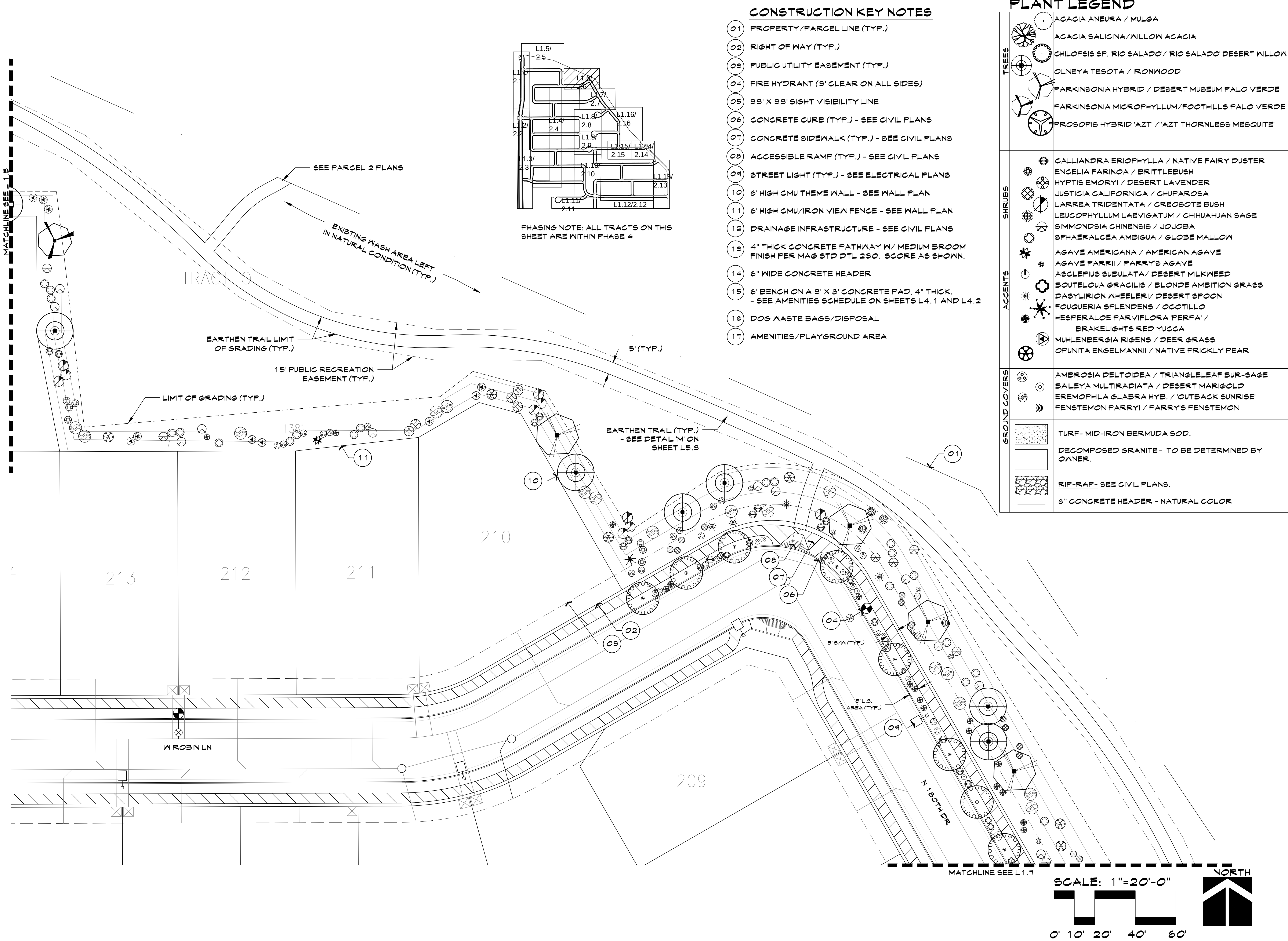
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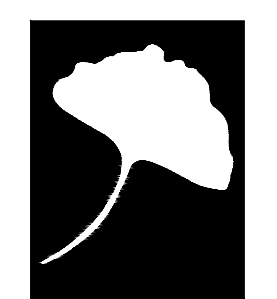
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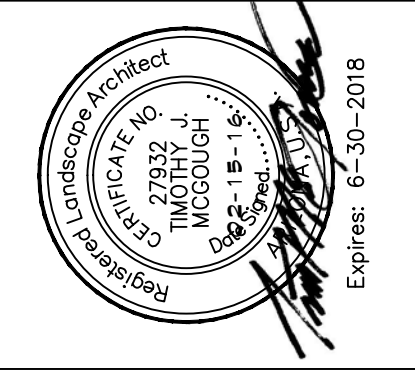
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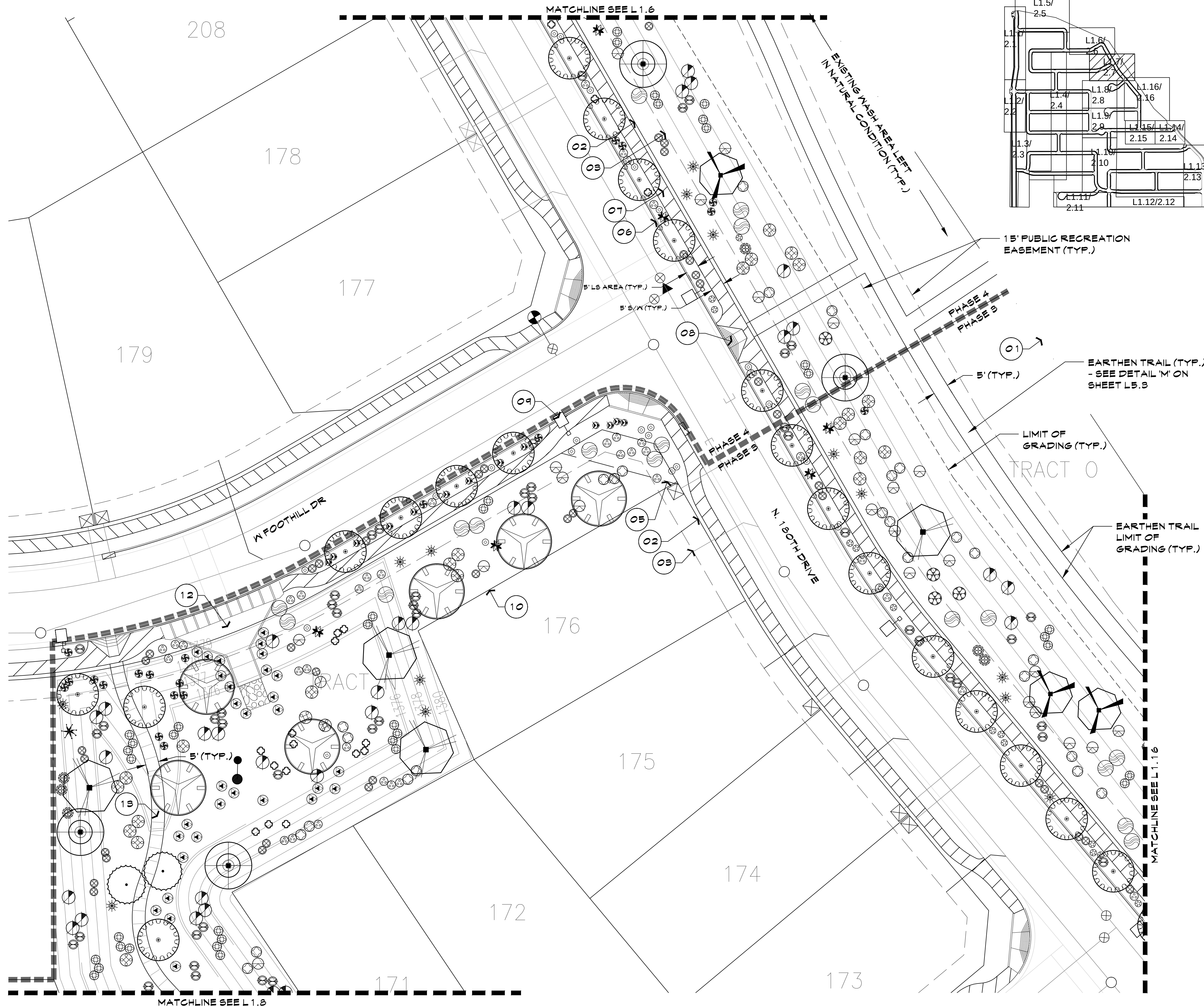
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7 OF 40



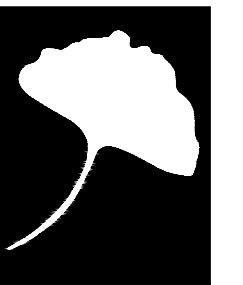
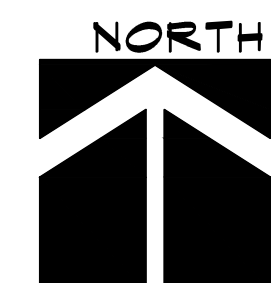
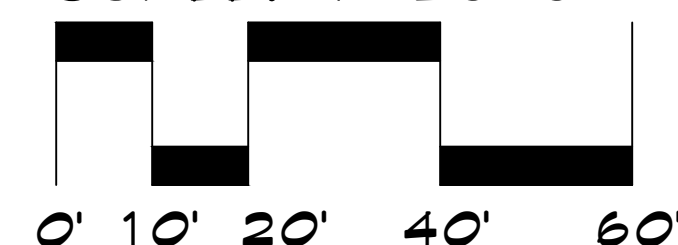
PLANT LEGEND

TREES		ACACIA ANEURA / MULGA
		ACACIA SALICINA / WILLOW ACACIA
		CHIOPSIS SP. 'RIO SALADO' / 'RIO SALADO' DESERT WILLOW
		OLNEYA TESOTA / IRONWOOD
SHRUBS		PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE
		PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE
		PROSOPIS HYBRID 'AZT' / 'AZT THORNLESS MESQUITE'
		CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER
ACCENTS		ENCELIA FARINOSA / BRITTLEBUSH
		HYPTIS EMORYI / DESERT LAVENDER
		JUSTICIA CALIFORNICA / CHUPAROSA
		LARREA TRIDENTATA / CREOSOTE BUSH
GROUND COVERS		LEUCOPHYLLUM LAEVIGATUM / CHIHUAHUA SAGE
		SIMMONDSIA CHINENSIS / JOJOBA
		SPHAERALCEA AMBIGUA / GLOBE MALLOW
		AGAVE AMERICANA / AMERICAN AGAVE
GROUND COVERS		AGAVE PARRII / PARRY'S AGAVE
		ASCLEPIUS SUBULATA / DESERT MILKWEED
		BOUTELOUA GRACILIS / BLONDE AMBITION GRASS
		DASYLIIRION WHEELERI / DESERT SPOON
GROUND COVERS		FOUQUIERIA SPLENDENS / OCOTILLO
		HESPERALOE PARVIFLORA 'PERPA' / BRAKELIGHTS RED YUCCA
		MUHLENBERGIA RIGENS / DEER GRASS
		OPUNTIA ENGELMANNII / NATIVE PRICKLY PEAR
GROUND COVERS		AMBROSIA DELTOIDEA / TRIANGLELEAF BUR-SAGE
		BAILEYA MULTIRADIATA / DESERT MARIGOLD
		EREMOPHILA GLABRA HYB. / 'OUTBACK SUNRISE'
		PENSTEMON PARRYI / PARRY'S PENSTEMON
GROUND COVERS		TURF - MID-IRON BERMUDA SOD.
		DECOMPOSED GRANITE - TO BE DETERMINED BY OWNER.
		RIP-RAP - SEE CIVIL PLANS.
		6" CONCRETE HEADER - NATURAL COLOR

CONSTRUCTION KEY NOTES

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- 13 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER MAG STD DTL 230. SCORE AS SHOWN.
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- 16 DOG WASTE BAGS/DISPOSAL
- 17 AMENITIES/PLAYGROUND AREA

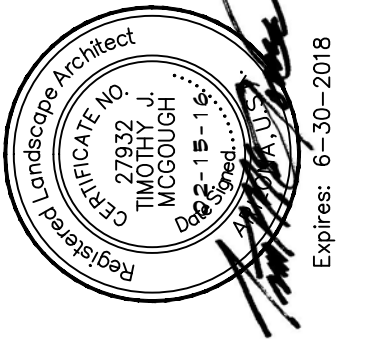
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PLANTING PLAN AUSTIN RANCH WEST - PARCEL 1

NEC OF 189RD AVE AND DEER VALLEY RD.
SURPRISE, ARIZONA

PREPARED FOR: COURTLAND HOMES

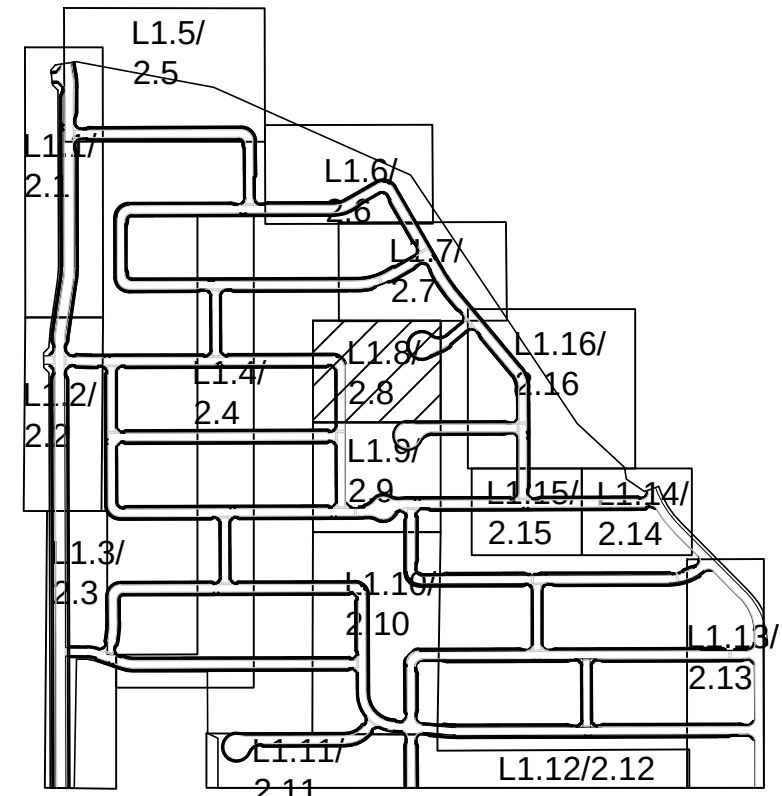
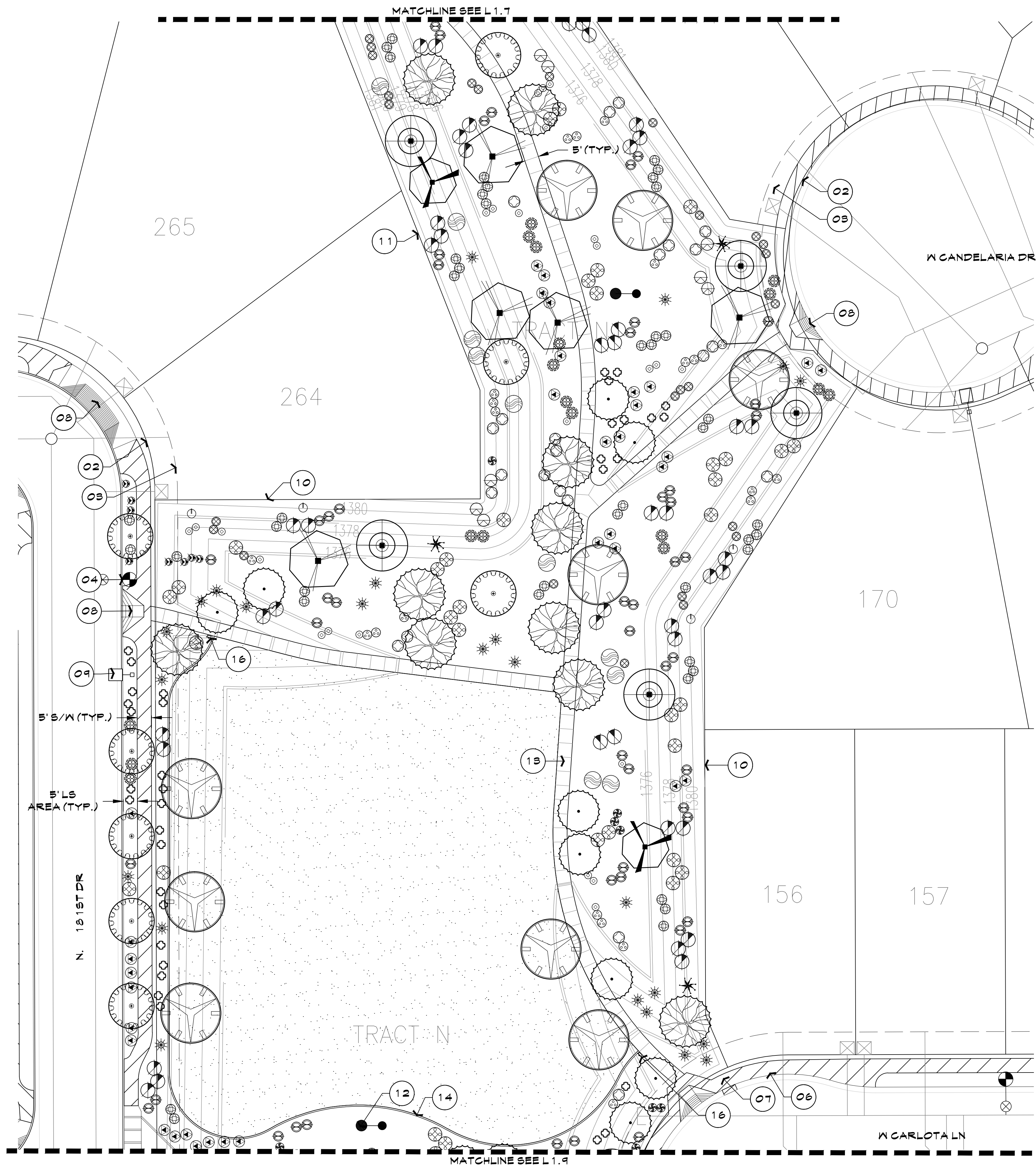
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REVISIONS:

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L 1.7



PHASING NOTE: ALL TRACTS ON THIS SHEET ARE WITHIN PHASE 3.

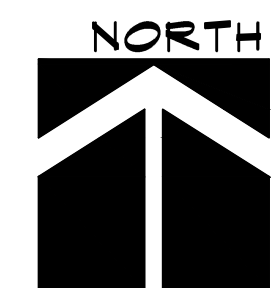
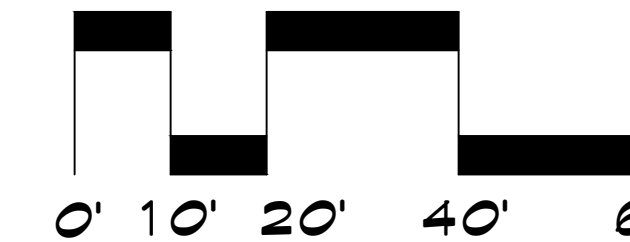
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SCALE: 1"=20'-0"



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PLANTING PLAN

AUSTIN RANCH WEST - PARCEL 1

NEC OF 189RD AVE AND DEER VALLEY RD.
SURPRISE, ARIZONA

PREPARED FOR: COURTLAND HOMES

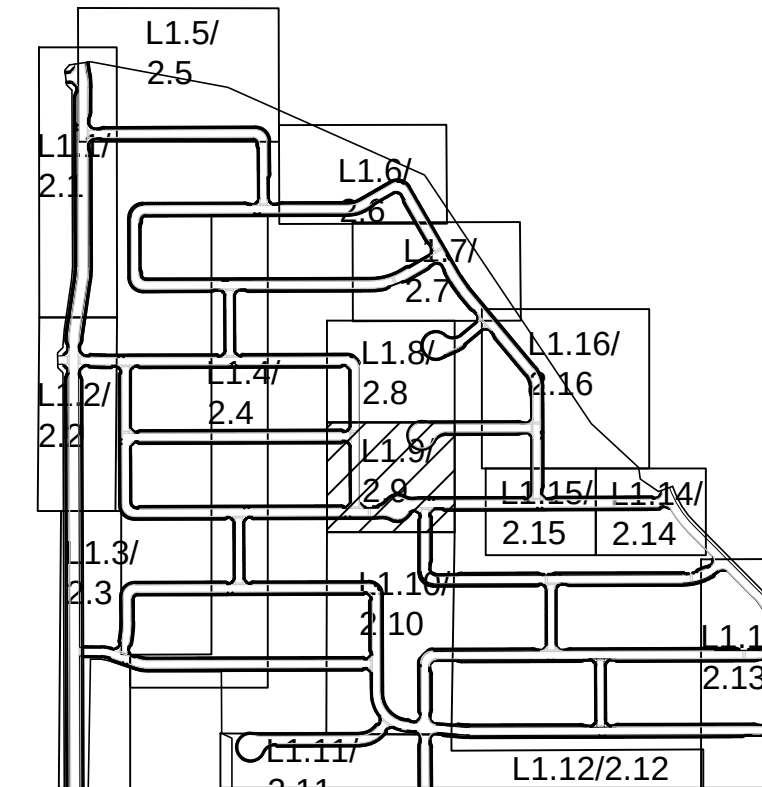
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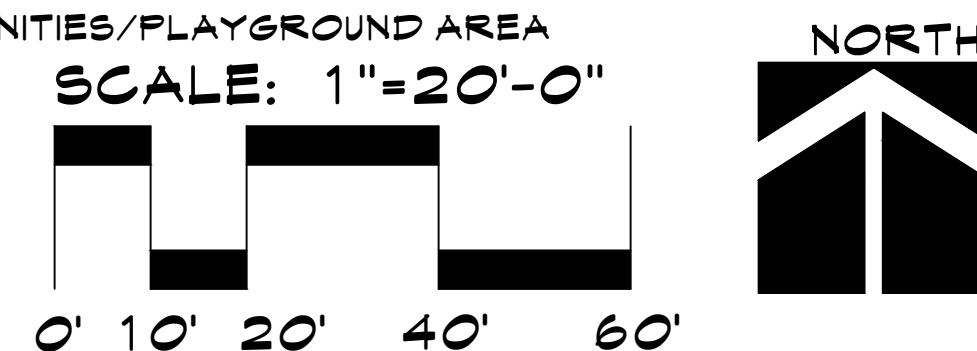
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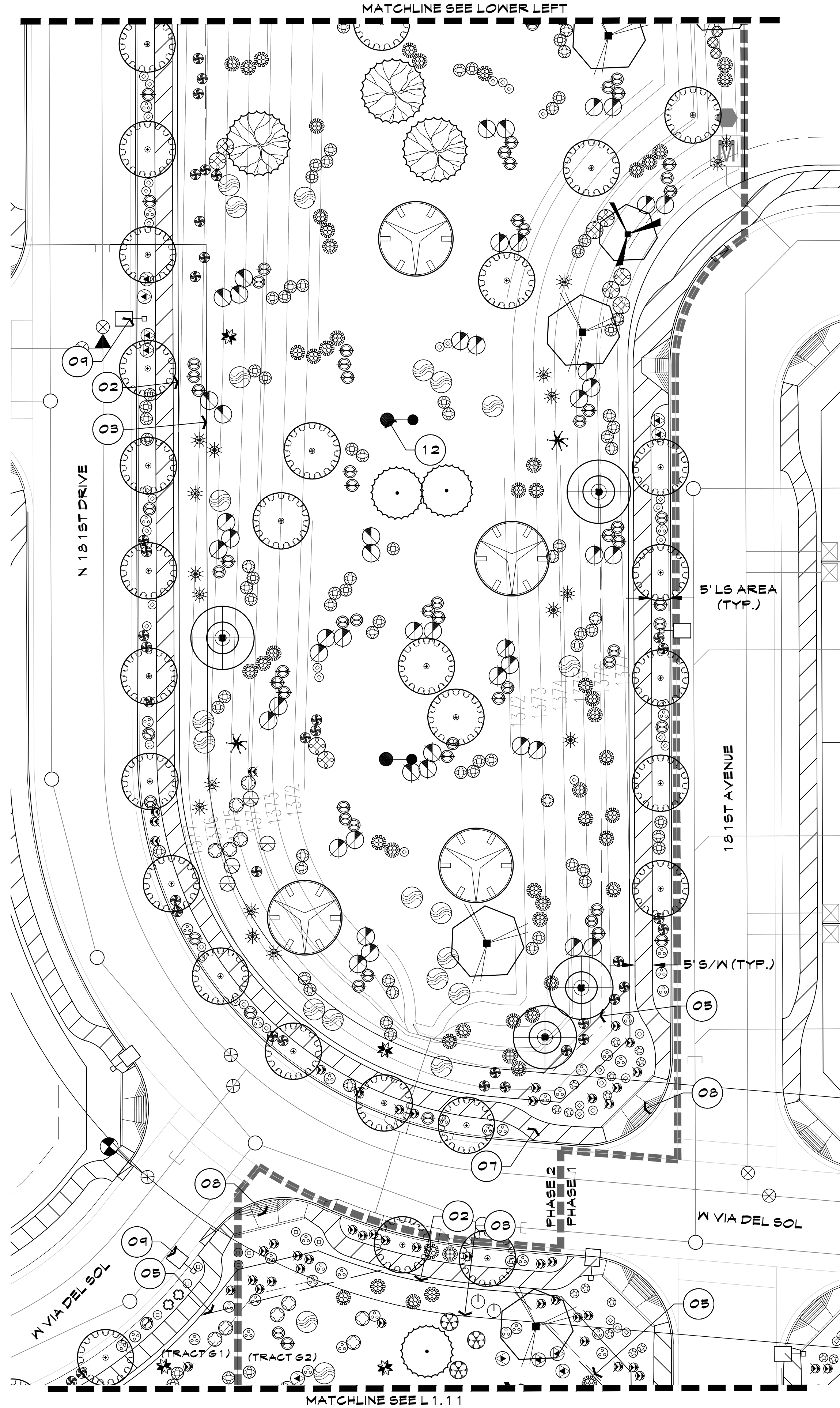
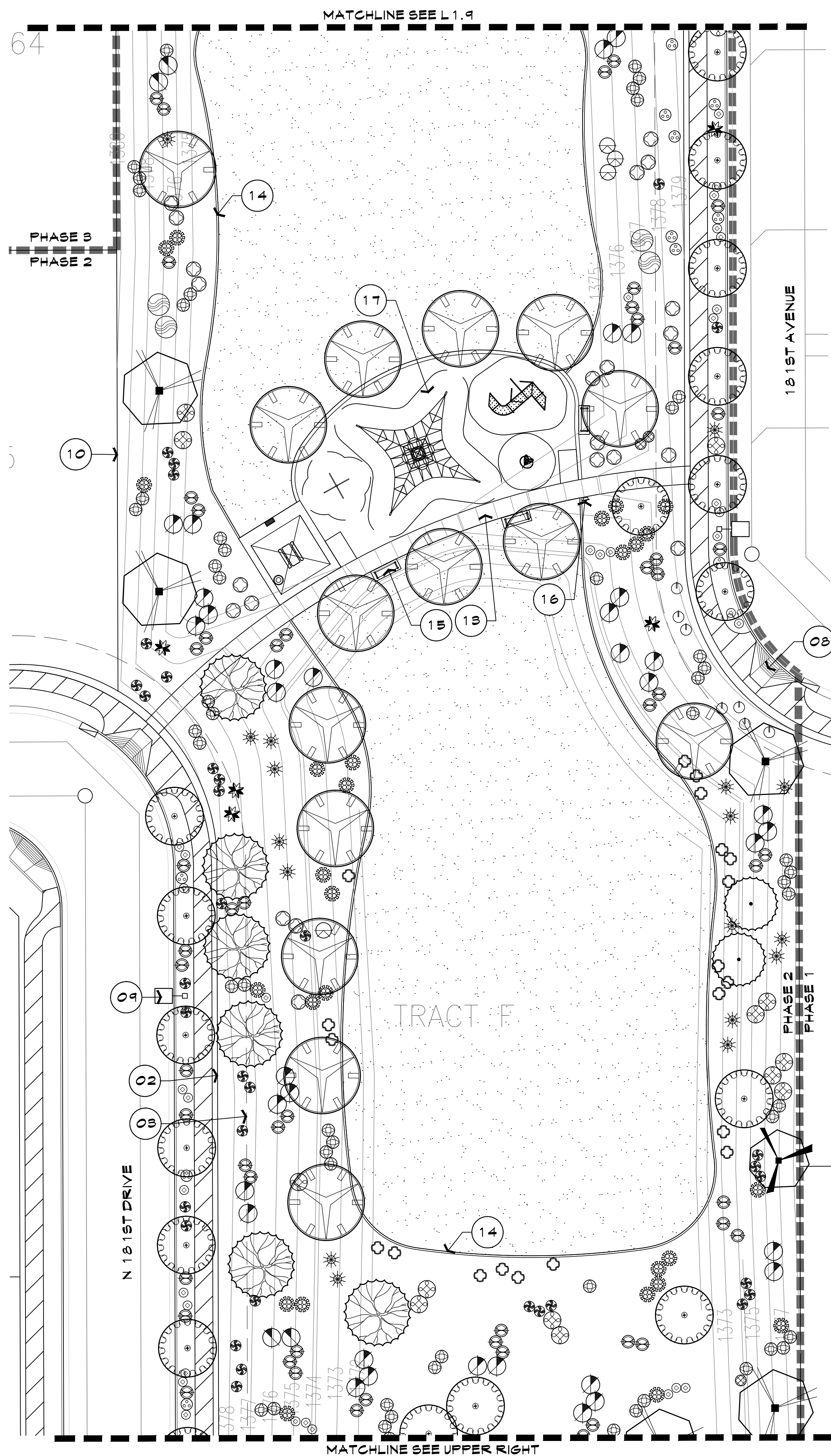


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- 16 DOG WASTE BAGS/DISPOSAL
- 17 AMENITIES/PLAYGROUND AREA

NORTH





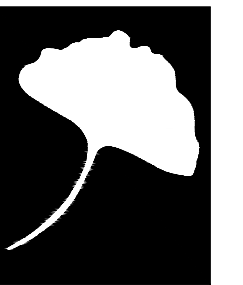
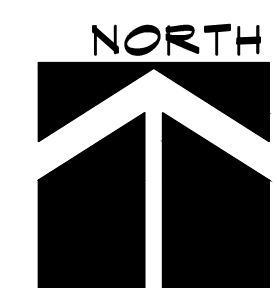
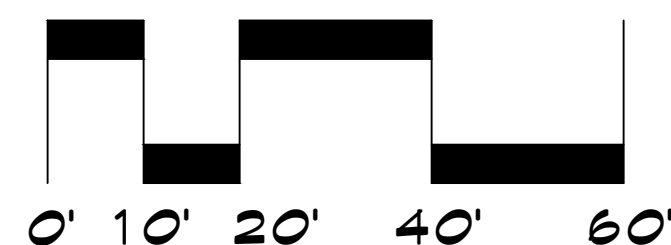
PLANT LEGEND

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SHRUBS	- CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER - ENCELIA FARINOA / BRITTLEBUSH - HYPTIS EMORYI / DESERT LAVENDER - JUSTICIA CALIFORNICA / CHUFAROSA - LARREA TRIDENTATA / CREOSOTE BUSH - LEUCOPHYLLUM LAEVIGATUM / CHIHUAHUA SAGE - SIMMONDSIA CHINENSIS / JOJOBA - SPHAERALCEA AMBIGUA / GLOBE MALLOW
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CONSTRUCTION KEY NOTES

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- ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
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- 6' HIGH CMU/IRON VIEW FENCE - SEE WALL PLAN
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- 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER MAG STD DTL 230. SCORE AS SHOWN.
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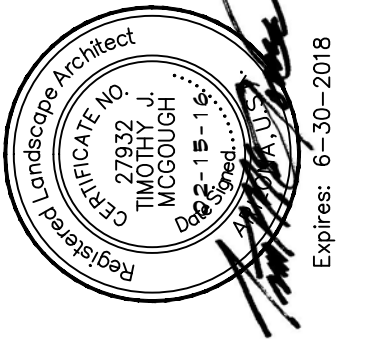
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PLANTING PLAN AUSTIN RANCH WEST - PARCEL 1 NEC OF 189RD AVE AND DEER VALLEY RD. SURPRISE, ARIZONA

PREPARED FOR: COURTLAND HOMES

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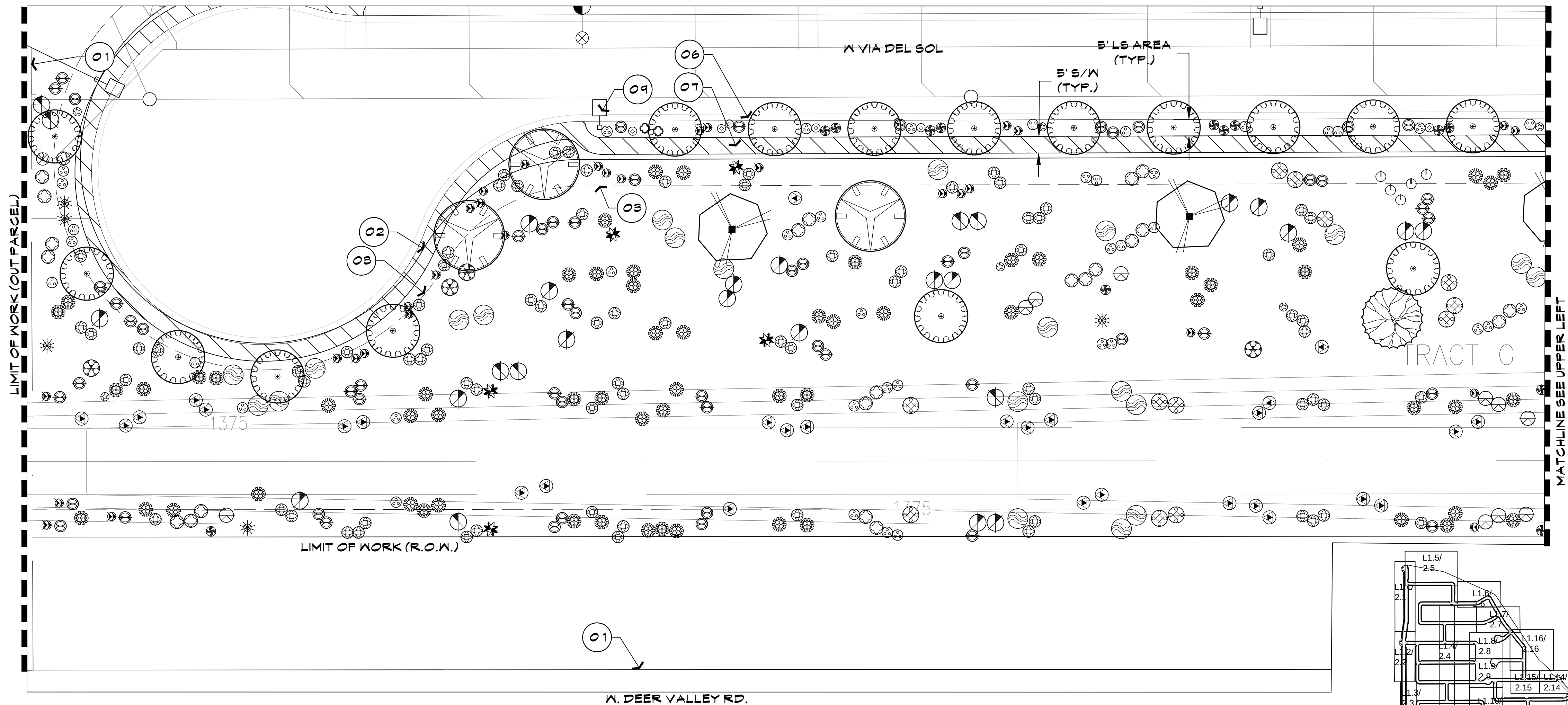
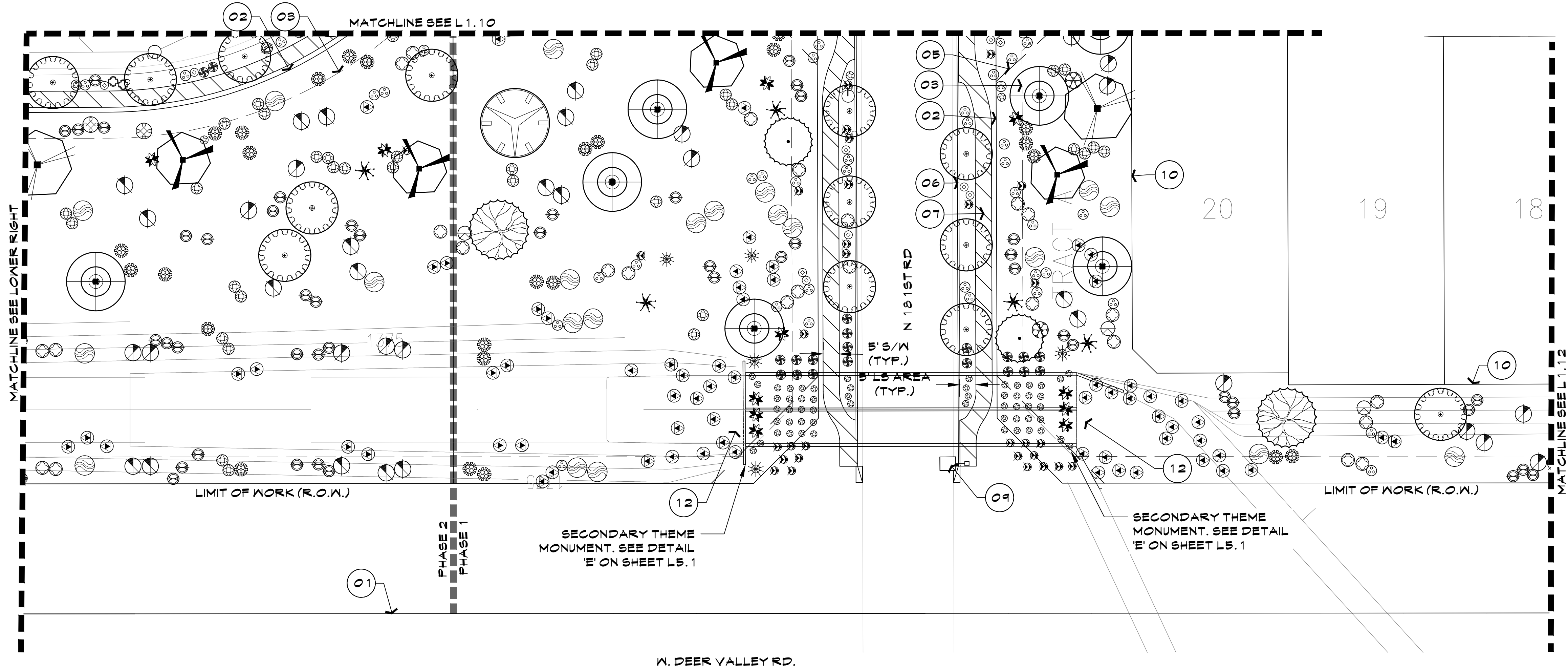
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11 OF 40



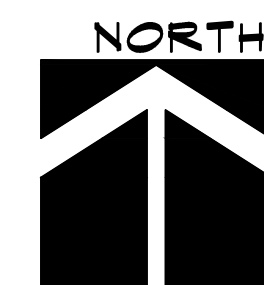
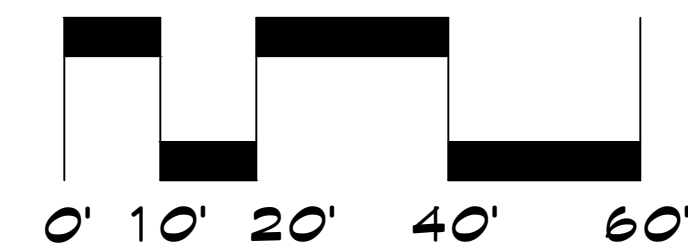
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TREES	- ACACIA ANEURA / MULGA - ACACIA SALICINA / WILLOW ACACIA - CHILOPSIS SP. 'RIO SALADO' / 'RIO SALADO' DESERT WILLOW - OLNEYA TESOTA / IRONWOOD - PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE - PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE - PROSOPIS HYBRID 'AZT' / 'AZT THORNTLESS MESQUITE'
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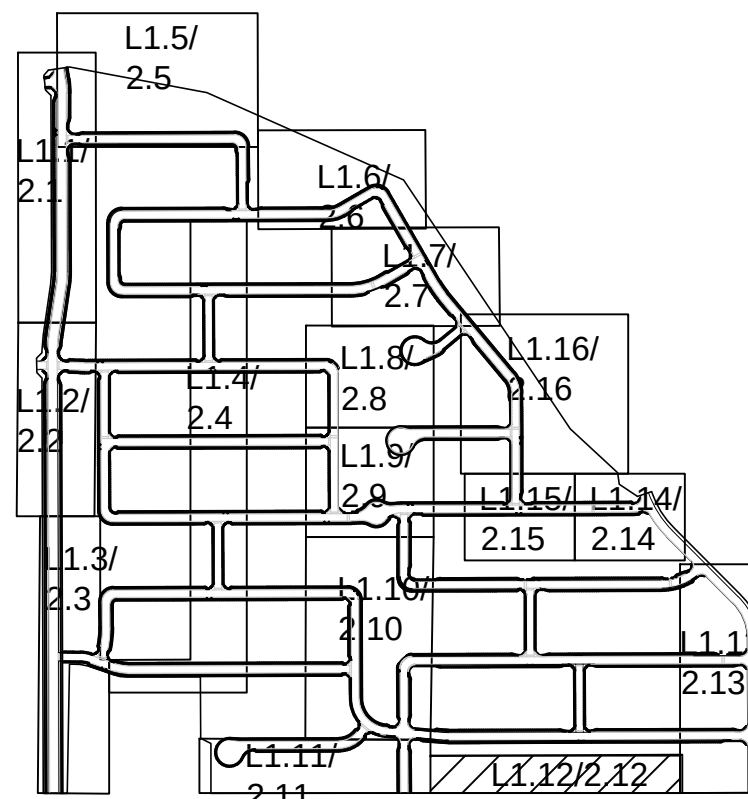
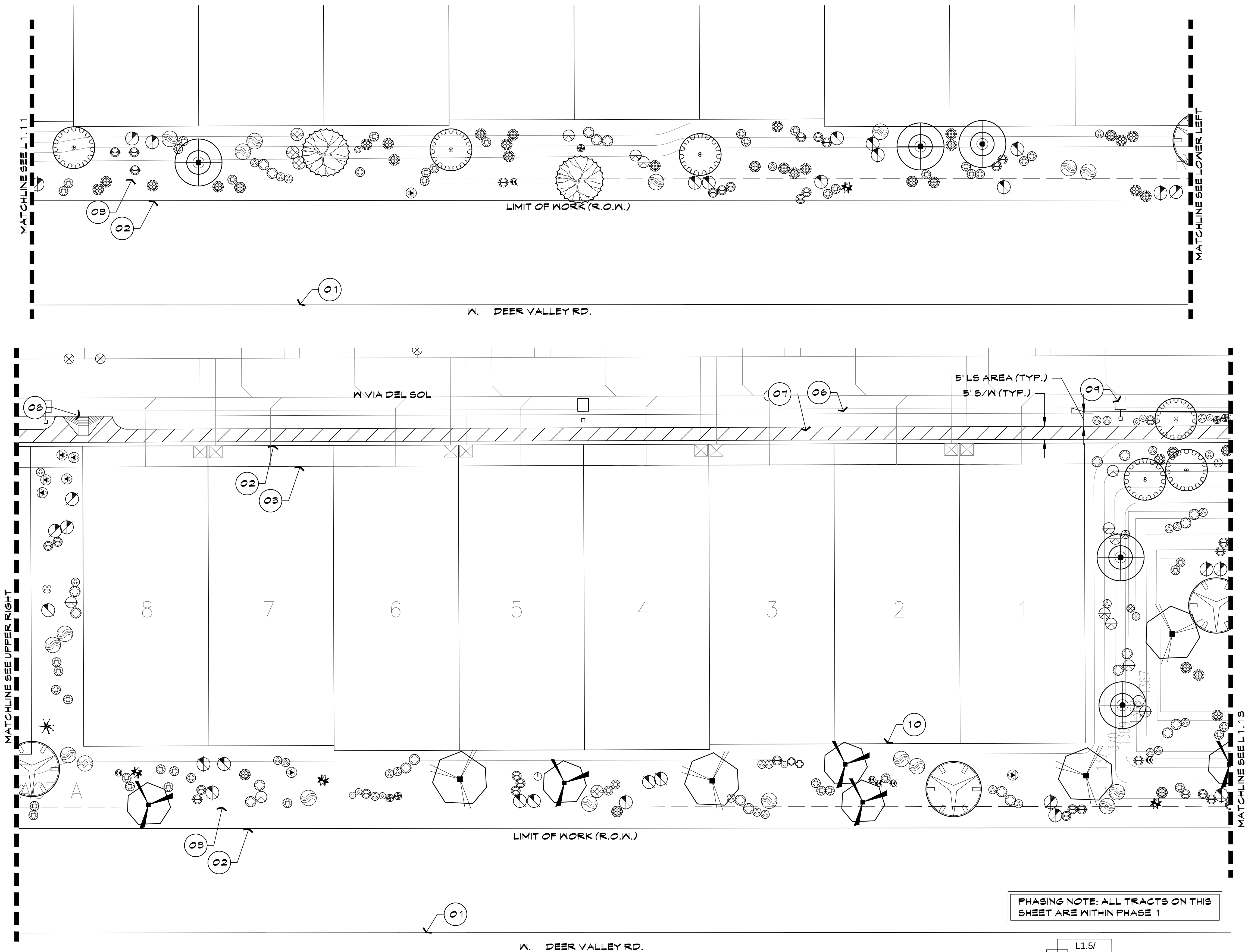
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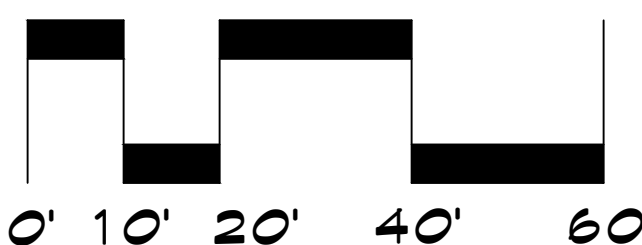
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SCALE: 1"=20'-0"

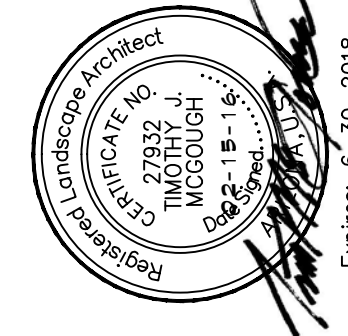


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PLANTING PLAN

AUSTIN RANCH WEST - PARCEL 1

NEC OF 189RD AVE AND DEER VALLEY RD.

SURPRISE, ARIZONA

PREPARED FOR: COURTLAND HOMES

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JOB NO. 14-42
DATE: 02-15-16
DRAWN BY: NA
CHECKED BY: TM

REVISIONS:

SHEET NO.

L 1.12

13 OF 40



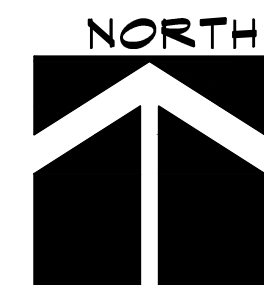
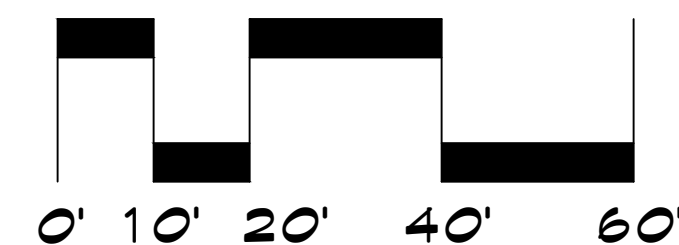
PLANT LEGEND

	ACACIA ANEURA / MULGA
	ACACIA SALICINA / WILLOW ACACIA
	CHILOPSIS SP. 'RIO SALADO' / 'RIO SALADO' DESERT WILLOW
	OLNEYA TESOTA / IRONWOOD
	PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE
	PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE
	PROSOPIS HYBRID 'AZT' / 'AZT THORNLESS MESQUITE'
	CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER
	ENCELIA FARINOA / BRITTLEBUSH
	HYPTIS EMORYI / DESERT LAVENDER
	JUSTICIA CALIFORNICA / CHUFAROSA
	LARREA TRIDENTATA / CREOSOTE BUSH
	LEUCOPHYLLUM LAEVIGATUM / CHIHUAHUA SAGE
	SIMMONDSIA CHINENSIS / JOJOBA
	SPHAERALCEA AMBIGUA / GLOBE MALLOW
	AGAVE AMERICANA / AMERICAN AGAVE
	AGAVE PARRII / PARRY'S AGAVE
	ASCLEPIUS SUBULATA / DESERT MILKWEED
	BOUTELOUA GRACILIS / BLONDE AMBITION GRASS
	DASYLIRION WHEELERI / DESERT SPOON
	FOUQUERIA SPLENDENS / OCOTILLO
	HESPERALOE PARVIFLORA 'PERFA' / BRAKELIGHTS RED YUCCA
	MUHLENBERGIA RIGENS / DEER GRASS
	OPUNTA ENGELMANNII / NATIVE PRICKLY PEAR
	AMBROSIA DELTOIDEA / TRIANGLELEAF BUR-SAGE
	BAILEYA MULTIRADIATA / DESERT MARIGOLD
	EREMOPHILA GLABRA HYB. / 'OUTBACK SUNRISE'
	PENSTEMON PARRYI / PARRY'S PENSTEMON
	TURF - MID-IRON BERMUDA SOD.
	DECOMPOSED GRANITE - TO BE DETERMINED BY OWNER.
	RIP-RAP - SEE CIVIL PLANS.
	6" CONCRETE HEADER - NATURAL COLOR

CONSTRUCTION KEY NOTES

- 01 PROPERTY / PARCEL LINE (TYP.)
- 02 RIGHT OF WAY (TYP.)
- 03 PUBLIC UTILITY EASEMENT (TYP.)
- 04 FIRE HYDRANT (3' CLEAR ON ALL SIDES)
- 05 33' X 33' SIGHT VISIBILITY LINE
- 06 CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- 07 CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- 08 ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- 09 STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 10 6' HIGH CMU THEME WALL - SEE WALL PLAN
- 11 6' HIGH CMU / IRON VIEW FENCE - SEE WALL PLAN
- 12 DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 13 4" THICK CONCRETE PATHWAY W / MEDIUM BROOM FINISH PER MAG STD DTL 230. SCORE AS SHOWN.
- 14 6" WIDE CONCRETE HEADER
- 15 6" BENCH ON A 3' X 3' CONCRETE PAD, 4" THICK. - SEE AMENITIES SCHEDULE ON SHEETS L4.1 AND L4.2
- 16 DOG WASTE BAGS / DISPOSAL
- 17 AMENITIES / PLAYGROUND AREA

SCALE: 1"=20'-0"

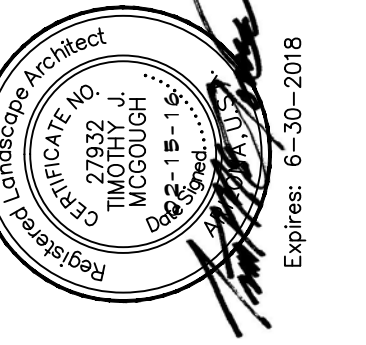


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PLANTING PLAN AUSTIN RANCH WEST - PARCEL 1

NEC OF 189RD AVE AND DEER VALLEY RD.
SURPRISE, ARIZONA

PREPARED FOR: COURTLAND HOMES

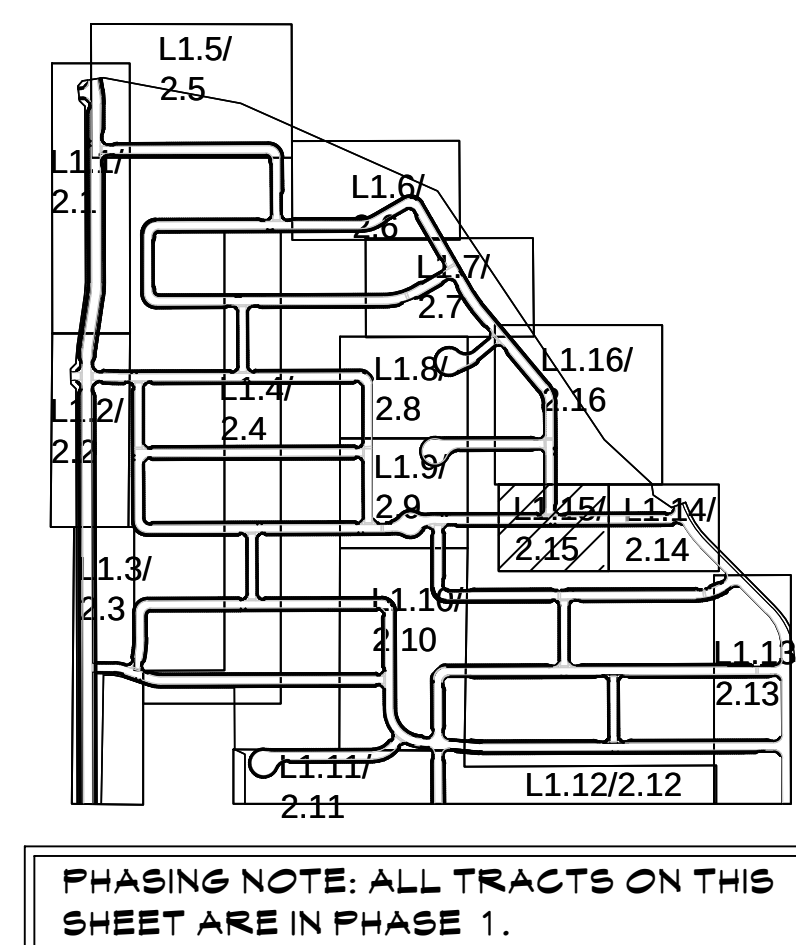
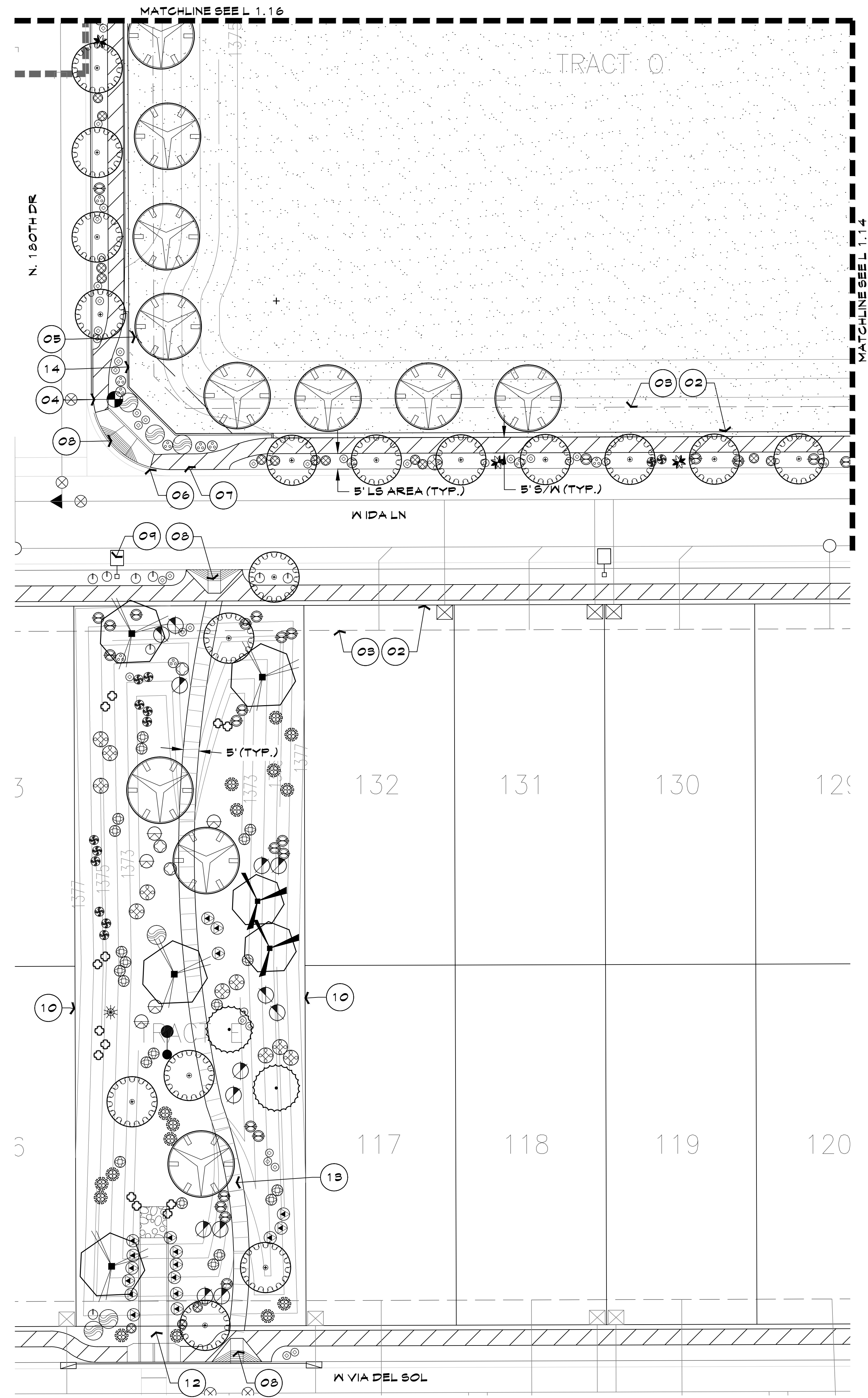
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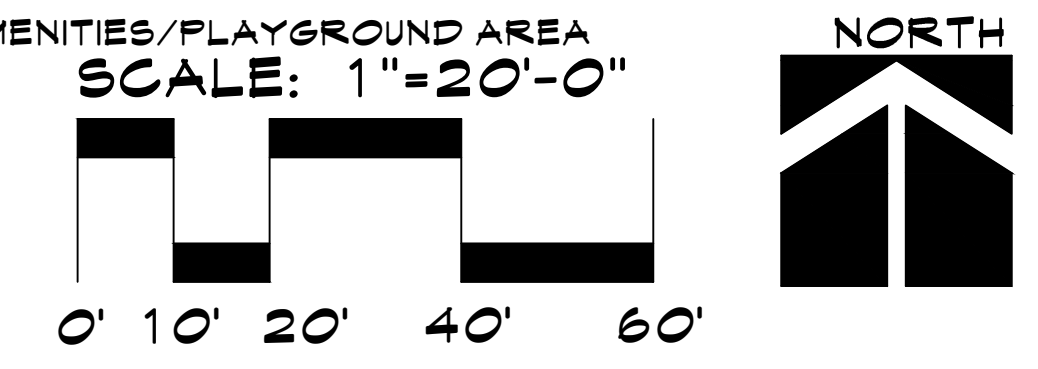
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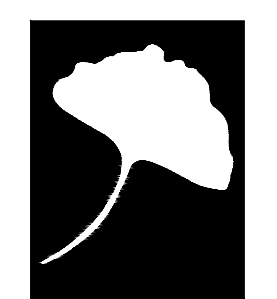
SHEET NO.
L 1.13



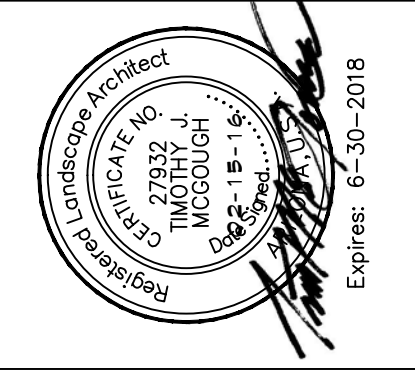
PLANT LEGEND	
TREES	ACACIA ANEURA / MULGA ACACIA SALICINA / WILLOW ACACIA CHILOPSIS SP. 'RIO SALADO' / 'RIO SALADO' DESERT WILLOW OLNEYA TESOTA / IRONWOOD PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE PROSOPIS HYBRID 'AZT' / 'AZT THORNLESS MESQUITE'
SHRUBS	CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER ENCELIA FARINOA / BRITTLEBUSH HYPTIS EMORYI / DESERT LAVENDER JUSTICIA CALIFORNICA / CHUPAROSA LARREA TRIDENTATA / CREOSOTE BUSH LEUCOPHYLLUM LAEVIGATUM / CHIHUAHUA SAGE SIMMONDSIA CHINENSIS / JOJOBA SPHAERALCEA AMBIGUA / GLOBE MALLOW
ACCENTS	AGAVE AMERICANA / AMERICAN AGAVE AGAVE PARRII / PARRY'S AGAVE ASCLEPIUS SUBULATA / DESERT MILKWEED BOUTELOUA GRACILIS / BLONDE AMBITION GRASS DASYLIRION WHEELERI / DESERT SPOON FOUQUERIA SPLENDENS / OCOTILLO HESPERALOE PARVIFLORA 'PERPA' / BRAKELIGHTS RED YUCCA MUHLENBERGIA RIGENS / DEER GRASS OPUNTIA ENGELMANNII / NATIVE PRICKLY PEAR
GROUND COVERS	AMBROSIA DELTOIDEA / TRIANGLELEAF BUR-SAGE BAILEYA MULTIRADIATA / DESERT MARIGOLD EREMOPHILA GLABRA HYB. / 'OUTBACK SUNRISE' PENSTEMON PARRYI / PARRY'S PENSTEMON
	TURF- MID-IRON BERMUDA SOD. DECOMPOSED GRANITE- TO BE DETERMINED BY OWNER. RIP-RAP- SEE CIVIL PLANS. 6" CONCRETE HEADER - NATURAL COLOR

- CONSTRUCTION KEY NOTES**
- 01 PROPERTY/PARCEL LINE (TYP.)
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 - 10 6' HIGH CMU THEME WALL - SEE WALL PLAN
 - 11 6' HIGH CMU/IRON VIEW FENCE - SEE WALL PLAN
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PLANTING PLAN
AUSTIN RANCH WEST - PARCEL 1
NEC OF 189RD AVE AND DEER VALLEY RD.
SURPRISE, ARIZONA
PREPARED FOR: COURTLAND HOMES

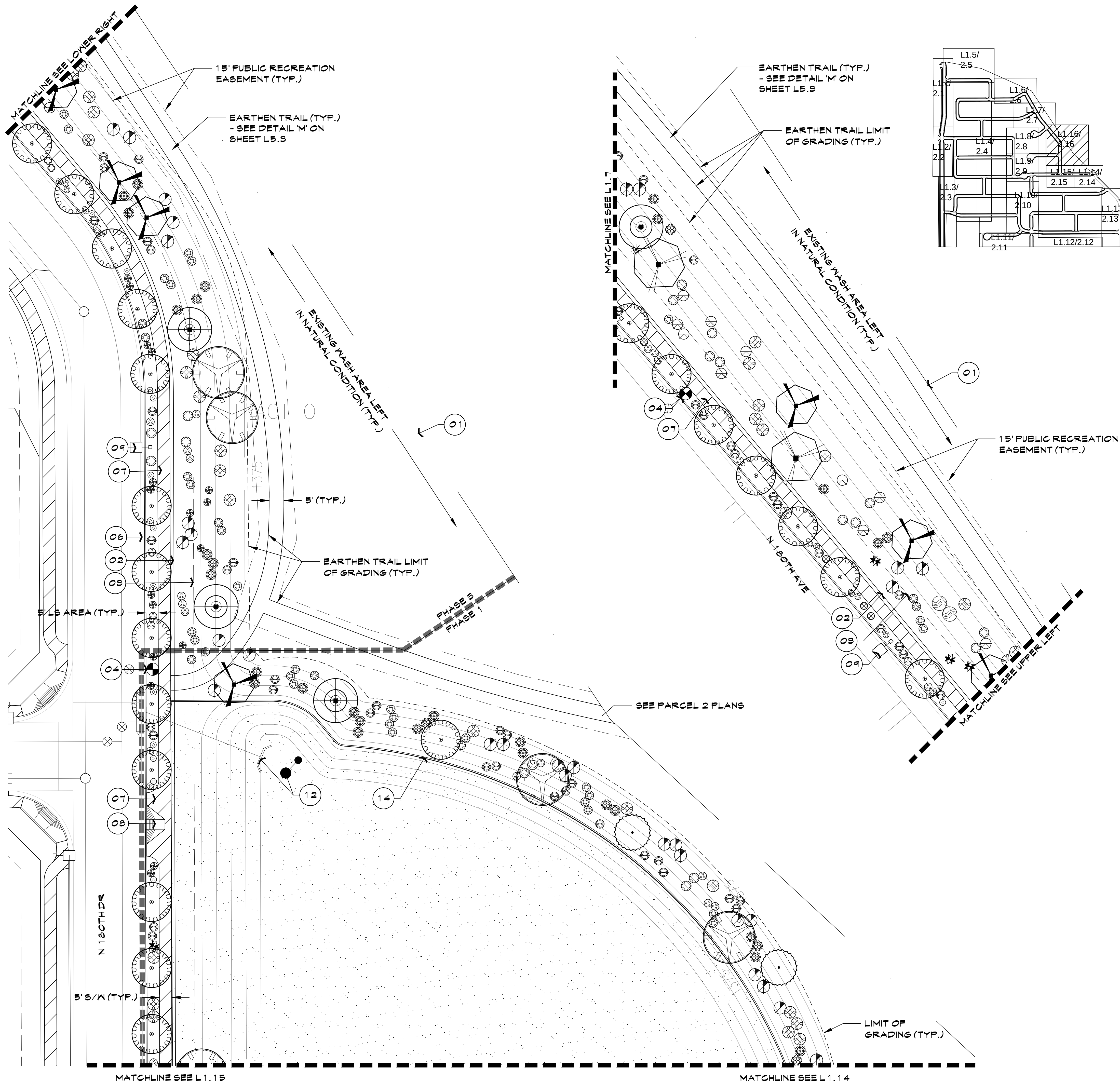
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REVISIONS:

SHEET NO. L 1.15
16 OF 40



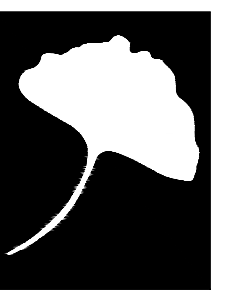
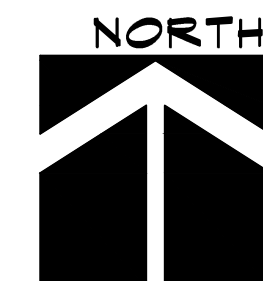
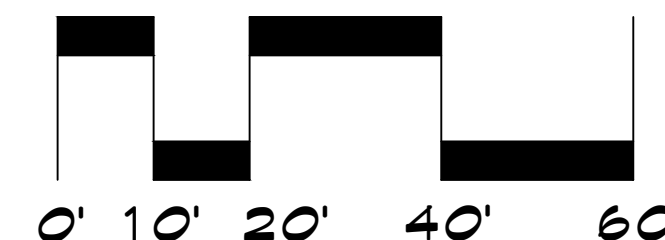
PLANT LEGEND

TREES	ACACIA ANEURA / MULGA ACACIA SALICINA / WILLOW ACACIA CHILOPSIS SP. 'RIO SALADO' / 'RIO SALADO' DESERT WILLOW OLNEYA TESOTA / IRONWOOD PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE PROSOPIS HYBRID 'AZT' / 'AZT THORNLESS MESQUITE'
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- 17 AMENITIES/PLAYGROUND AREA

SCALE: 1"=20'-0"

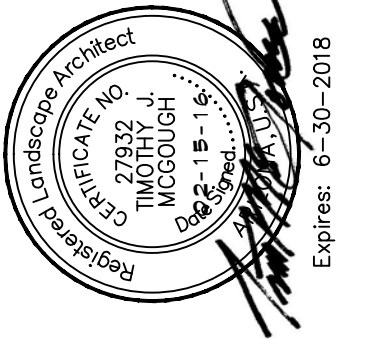


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NEC OF 189RD AVE AND DEER VALLEY RD.
SURPRISE, ARIZONA

PREPARED FOR: COURTLAND HOMES

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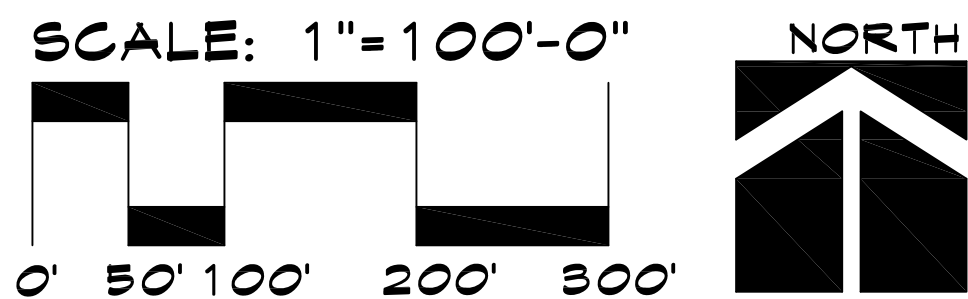


PROJECT WALL KEY

	6' MIN. - 8' MAX. PROJECT THEME WALL - APPROX. 5,135 LF (SEE DETAIL 'A', SHEET L3.1)
	6' PROJECT VIEW FENCE - APPROX. 1,139 LF (SEE DETAIL 'D2', SHEET L3.1)
	6' PROJECT PARTIAL VIEW FENCE - APPROX. 1,820 LF (SEE DETAIL 'D1', SHEET L3.1)
	4" FENCE BLOCK BUILDER WALL - APPROX. 298 LF (SEE DETAIL 'I', SHEET L3.1)
	PRIMARY THEME COLUMN- 86 TOTAL (SEE DETAIL 'C', SHEET L3.1)
	COMMUNITY MAILBOX CLUSTERS. - MAILBOX UNITS AND UNIT QUANTITIES TO BE APPROVED BY USFS. SEE AMENITIES SCHEDULE ON SHEET L4.1 AND DETAIL 'A' ON SHEET L3.2

SPECIAL NOTE:
BUILDER RESERVES THE RIGHT TO REVISE THE SPACING AND/OR QUANTITY OF THEME COLUMNS ON THE PROJECT. GET STRUCTURAL ENGINEERING APPROVAL FOR ANY CHANGES PRIOR TO CONSTRUCTION.

- NOTES:**
- ALL FOOTINGS, WALLS, FENCES AND THEME COLUMNS TO BE LOCATED OUTSIDE OF THE P.U.E., R.O.W. AND SITE VISIBILITY TRIANGLE EASEMENTS.
 - THEME COLUMNS ARE TO BE 24'-0" OFF THE BACK OF R.O.W. (UNLESS OTHERWISE NOTED). SOME THEME COLUMNS MAY HAVE TO BE LOCATED 30' OFF THE BACK OF R.O.W. WHERE SITE VISIBILITY TRIANGLE EASEMENTS ARE PRESENT. CONTRACTOR TO INSTALL 6"x6" CONCRETE HEADER FROM THE FRONT OF THE COLUMN TO THE BACK OF THE SIDEWALK.
 - SEE CIVIL PLANS FOR RETAINING WALL LOCATIONS.
 - ALL PERIMETER AND INTERIOR WALLS NOT NOTED ABOVE SHALL BE STANDARD 4" X 8" X 16" CMU FENCE BLOCK.



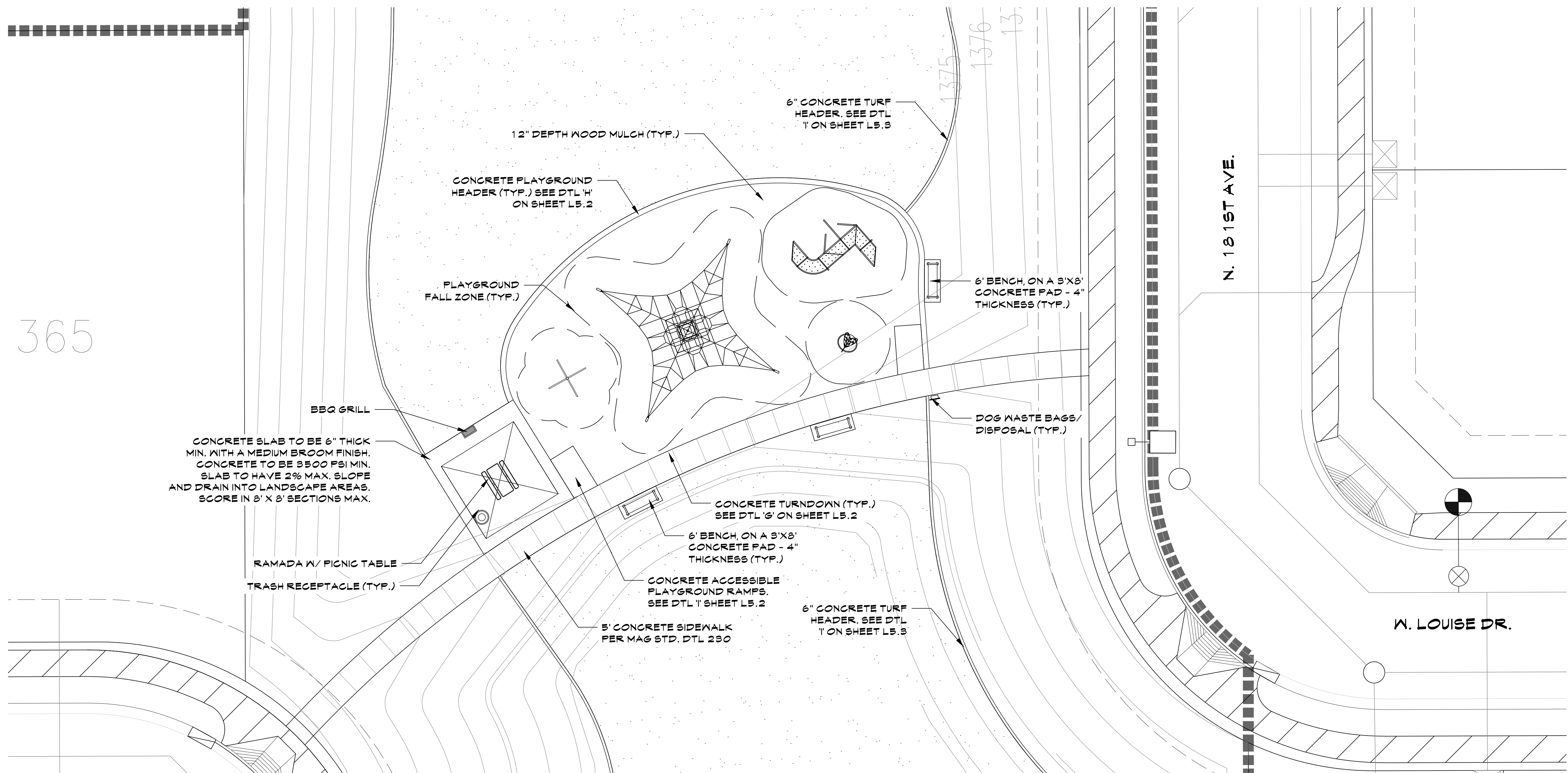
WALL PLAN
AUSTIN RANCH WEST - PARCEL 1
NEC OF 133RD AVE AND DEER VALLEY RD.
SURPRISE, ARIZONA
PREPARED FOR: COURTLAND HOMES

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SHEET NO.
L3.1
34 OF 40



365

AMENITIES SCHEDULE

6' BENCH (QUANTITY: 3)
MANUFACTURER: WABASH VALLEY
CONTACT: DAVE BANG ASSOCIATES - 480-892-2266
MODEL# CN420 (F) - ADD MC 104 TO EACH
COLOR TO BE GREEN
-SEE DETAIL "C" ON SHEET L5.2

TRASH RECEPTACLE (QUANTITY: 1)
MANUFACTURER: WABASH VALLEY
CONTACT: DAVE BANG ASSOCIATES - 480-892-2266
MODEL# LR300 (F) ADD FT 100, LR3 10, & LR 105 TO EACH
COLOR TO BE GREEN
-SEE DETAIL "E" ON SHEET L5.2

PICNIC TABLE (QUANTITY: 1)
MANUFACTURER: WABASH VALLEY
CONTACT: DAVE BANG ASSOCIATES - 480-892-2266
MODEL# SG201 (F)
COLOR TO BE GREEN
-SEE DETAIL "B" ON SHEET L5.2

16' X 16' RAMADA (QUANTITY: 1)
MANUFACTURER: CLASSIC RECREATION SYSTEMS, INC.
CONTACT: EXERPLAY 1-800-457-5444
MODEL: ORLANDO
ROOF COLOR TO BE COOL FOREST GREEN
FRAME COLOR TO BE TERRA BROWN
-SEE DETAIL "F" ON SHEET L5.2

BBQ GRILL (QUANTITY: 1)
MANUFACTURER: PN ATHLETICMFG. CO
CONTACT: DAVE BANG ASSOCIATES - 480-892-2266
MODEL# 1140-00 (ADD 8803-00)
(TO BE IN GROUND MOUNTED)
-SEE DETAIL "D" ON SHEET L5.2

ENGINEERED WOOD FIBER
- 3,070 SQ.FT AT 12" DEPTH MIN.
COLOR TO BE BROWN
- SEE DTLS "H & I" ON SHEET L5.2
NOTE: ANY RECOVERED/RECYCLED WOOD MULCH MUST COME FROM "PRE-CONSUMER" WOOD ONLY.

PLAY EQUIPMENT
MANUFACTURER: LANDSCAPE STRUCTURES
CONTACT: EXERPLAY 1-800-457-5444
PLAY EQUIPMENT: (QTY.) - ITEM DESCRIPTION - (PART #)
(1) - 7 PANEL MOBIUS CLIMBER (150637)
(1) - LUNAR BLAST NET CLIMBER (173754)
(1) - WEE PLANET CLIMBER (173573)
(1) - STARBURST CLIMBER (158426-4)
(1) - WELCOME SIGN (LSI PROVIDED) AGES 5-12 YRS.
DIRECT BURY

COLOR PALETTE: ALL EQUIPMENT TO BE PALETTE "K"
COLOR 1: METALLIC SILVER COLOR 2: DENIM
COLOR 3: BRICK COLOR 4: BRICK

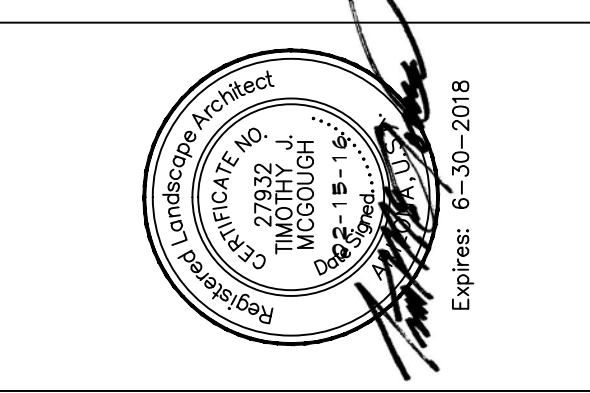
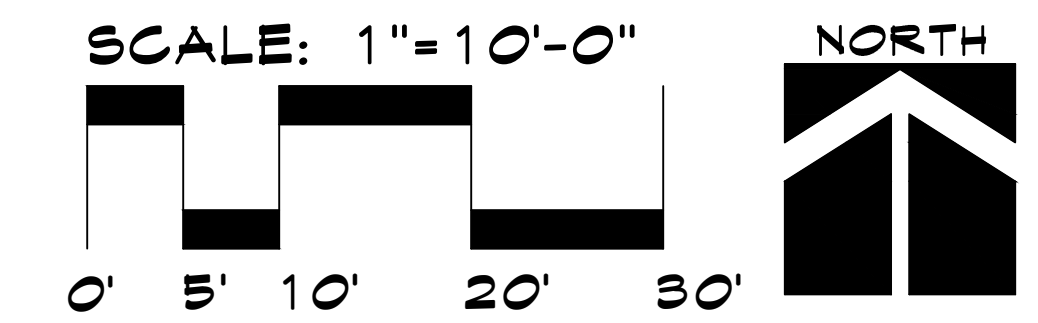
- INSTALL PER MANUFACTURERS SPECIFICATIONS
- PLAYGROUND REPRESENTATIVE TO SUPPLY A SHOP DRAWING ILLUSTRATING COLOR PALETTE AND PLAYGROUND LAYOUT. SHOP DRAWING MUST HAVE OWNER/LANDSCAPE ARCHITECT APPROVAL PRIOR TO ORDERING/INSTALLATION.

MAILBOXES
MANUFACTURER: FLORENCE MANUFACTURING COMPANY
CONTACT: EXTERIOR SYSTEMS (480) 990-3909
PRODUCT# VITAL CLUSTER BOX UNITS
- COLOR TO BE DARK BRONZE
- SEE DETAIL "A" ON SHEET L5.2

- UNITS, UNIT QUANTITIES AND UNIT LOCATIONS MUST BE APPROVED BY USPS.

DOG WASTE BAG/DISPOSAL STATIONS (QUANTITY: 1)
MANUFACTURER: DOG-ON-IT PARKS
CONTACT: EXERPLAY 1-800-457-5444
PRODUCT# 74088 (COMPLETE WASTE STATION-ONEFUL)
- COLOR TO BE GREEN

NOTE: AMENITIES AND QUANTITIES LISTED ON THIS SHEET REFLECT ONLY THE AMENITIES AND QUANTITIES SHOWN ABOVE. SEE AMENITIES SCHEDULE ON SHEET L4.2 FOR ADDITIONAL AMENITIES ENLARGEMENT AREA, AND ADDITIONAL AMENITY SPECIFICATIONS AND QUANTITIES FOR ITEMS NOT SHOWN ON EITHER ENLARGEMENT.



AMENITIES SCHEDULE
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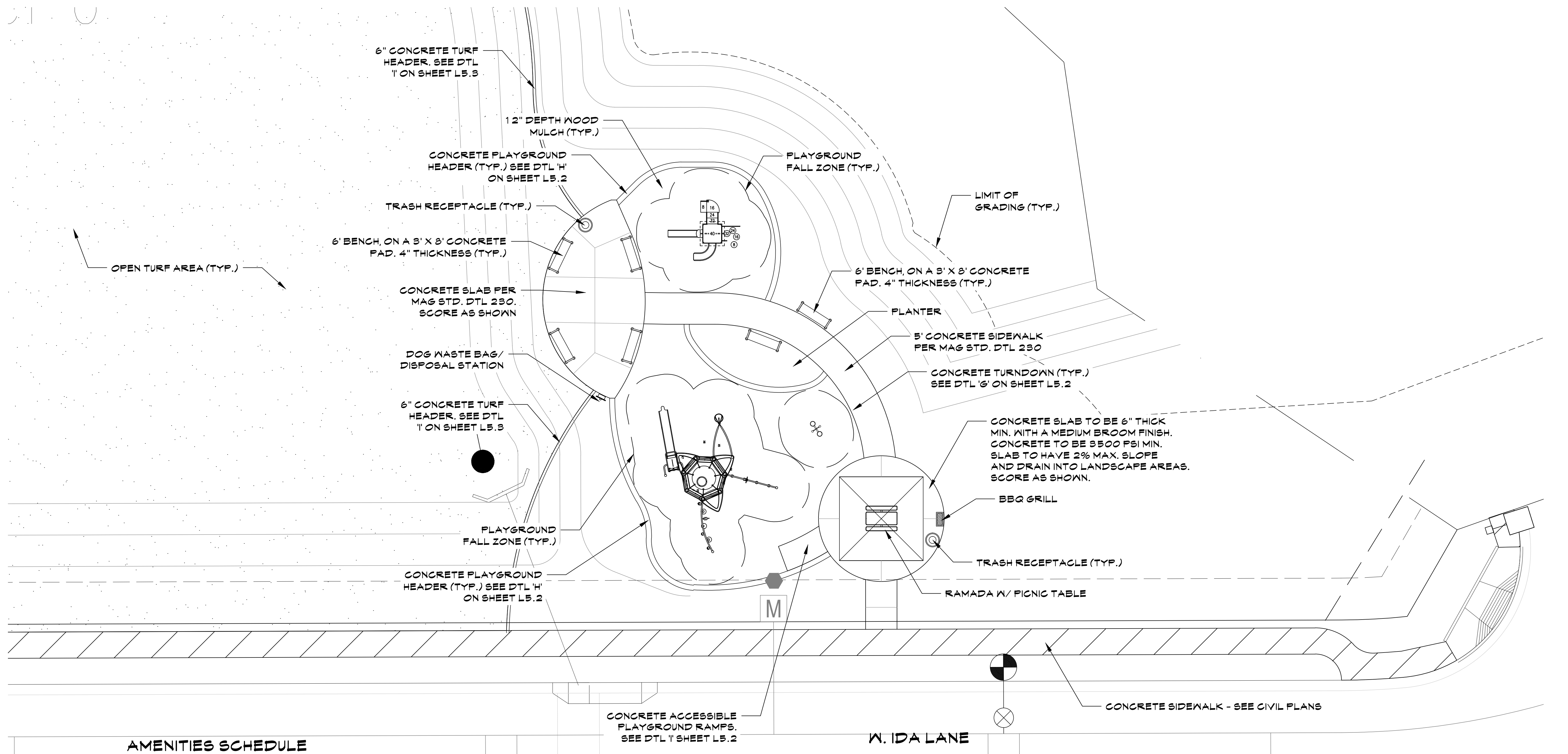
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35 OF 40



AMENITIES SCHEDULE

6' BENCH (QUANTITY: 6)
MANUFACTURER: WABASH VALLEY
CONTACT: DAVE BANG ASSOCIATES - 480-892-2266
MODEL# CN420 (P) - ADD MC104 TO EACH
COLOR TO BE GREEN
-SEE DETAIL "C" ON SHEET L5.2

TRASH RECEPTACLE (QUANTITY: 2)
MANUFACTURER: WABASH VALLEY
CONTACT: DAVE BANG ASSOCIATES - 480-892-2266
MODEL# LR300 (P) ADD FT100, LR310, & LR105 TO EACH
COLOR TO BE GREEN
-SEE DETAIL "E" ON SHEET L5.2

PICNIC TABLE (QUANTITY: 1)
MANUFACTURER: WABASH VALLEY
CONTACT: DAVE BANG ASSOCIATES - 480-892-2266
MODEL# SG201 (P)
COLOR TO BE GREEN
-SEE DETAIL "B" ON SHEET L5.2

16' X 16' RAMADA (QUANTITY 1)
MANUFACTURER: CLASSIC RECREATION SYSTEMS, INC.
CONTACT: EXERPLAY 1-800-457-5444
MODEL: ORLANDO
ROOF COLOR TO BE COOL FOREST GREEN
FRAME COLOR TO BE TERRA BROWN
-SEE DETAIL "F" ON SHEET L5.2

BBQ GRILL (QUANTITY 1)
MANUFACTURER: PN ATHLETICMFG. CO
CONTACT: DAVE BANG ASSOCIATES - 480-892-2266
MODEL# 1140-00 (ADD 8803-00)
(TO BE IN GROUND MOUNTED)
- SEE DETAIL "D" ON SHEET L5.2

ENGINEERED WOOD FIBER
- 2,160 SQ.FT AT 12" DEPTH MIN.
COLOR TO BE BROWN
- SEE DTLS "H" & "I" ON SHEET L5.2
NOTE: ANY RECOVERED/RECYCLED WOOD MULCH
MUST COME FROM "PRE-CONSUMER" WOOD ONLY.

PLAY EQUIPMENT
MANUFACTURER: LANDSCAPE STRUCTURES
CONTACT: EXERPLAY 1-800-457-5444
PLAY EQUIPMENT: (QTY.) - ITEM DESCRIPTION - (PART #)
(1) - NETPLEX PLAYGROUND (REFERENCE DESIGN# 3869)
(1) - DOUBLE BOBBLE RIDER (164075)
(1) - AGE 2-5 PLAYGROUND (REFERENCE DESIGN# 176)
(1) - WELCOME SIGN (LSI PROVIDED) AGES 5-12 YRS.
DIRECT BURY

COLOR PALETTE: ALL EQUIPMENT TO BE PALETTE "O"
COLOR 1: PINE GREEN COLOR 2: BROWN
COLOR 3: TAN COLOR 4: TAN

- INSTALL PER MANUFACTURERS SPECIFICATIONS
- PLAYGROUND REPRESENTATIVE TO SUPPLY A SHOP
DRAWING ILLUSTRATING COLOR PALETTE AND
PLAYGROUND LAYOUT. SHOP DRAWING MUST
HAVE OWNER/LANDSCAPE ARCHITECT APPROVAL
PRIOR TO ORDERING/INSTALLATION.

MAILBOXES
MANUFACTURER: FLORENCE MANUFACTURING COMPANY
CONTACT: EXTERIOR SYSTEMS (480) 990-3909
PRODUCT# VITAL CLUSTER BOX UNITS
- COLOR TO BE DARK BRONZE
- SEE DETAIL "A" ON SHEET L5.2

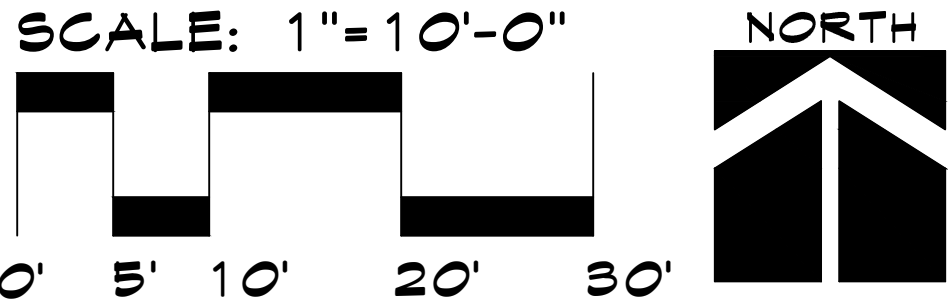
- UNITS, UNIT QUANTITIES AND UNIT LOCATIONS MUST BE
APPROVED BY USFS.

DOG WASTE BAG/DISPOSAL STATIONS (QUANTITY: 1)
MANUFACTURER: DOG-ON-IT PARKS
CONTACT: EXERPLAY 1-800-457-5444
PRODUCT# T408S (COMPLETE WASTE STATION-ONEPUL)
- COLOR TO BE GREEN

ADDITIONAL AMENITIES NOT SHOWN ON AN ENLARGEMENT

- THERE IS (1) ADDITIONAL BENCH PER THE SPECIFICATION ABOVE THAT IS NOT SHOWN ON AN ENLARGEMENT. SEE LANDSCAPE PLAN SHEET L1.4 FOR LOCATION.
- THERE ARE (3) ADDITIONAL PET WASTE BAG/DISPOSAL STATIONS PER THE SPECIFICATION ABOVE. SEE LANDSCAPE PLAN SHEETS L1.4 AND L1.8 FOR LOCATIONS.

NOTE: AMENITIES AND QUANTITIES LISTED ON THIS SHEET REFLECT ONLY THE AMENITIES AND QUANTITIES SHOWN ABOVE, AND THE ADDITIONAL MATERIALS AND QUANTITIES LISTED TO THE LEFT THAT ARE NOT SHOWN ON AN AMENITIES ENLARGEMENT. SEE AMENITIES SCHEDULE ON SHEET L4.1 FOR INFORMATION ON THE OTHER AMENITIES AREA.

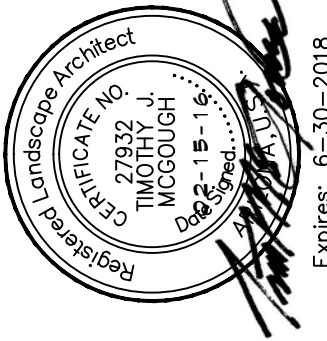


McGough
Group

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Urban Design - Site Imaging
Parks and Recreation

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Suite 100
Phoenix, Arizona
85028

602-997-9093
602-997-9031 fax
E-Mail: Timm@mg-az.com



AMENITIES SCHEDULE
AUSTIN RANCH WEST - PARCEL 1

NEC OF 189RD AVE AND DEER VALLEY RD.
SURPRISE, ARIZONA

PREPARED FOR: COURTLAND HOMES

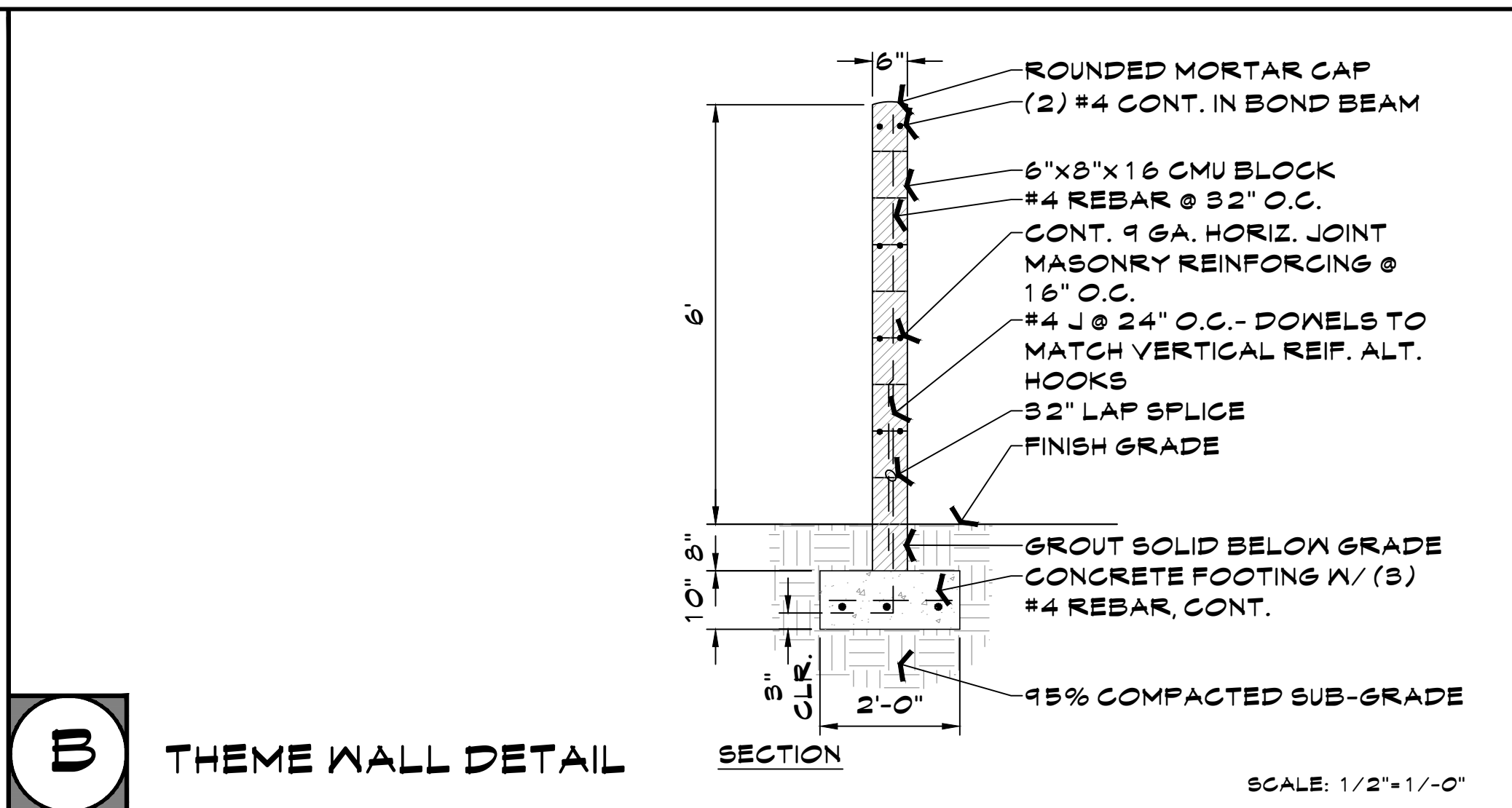
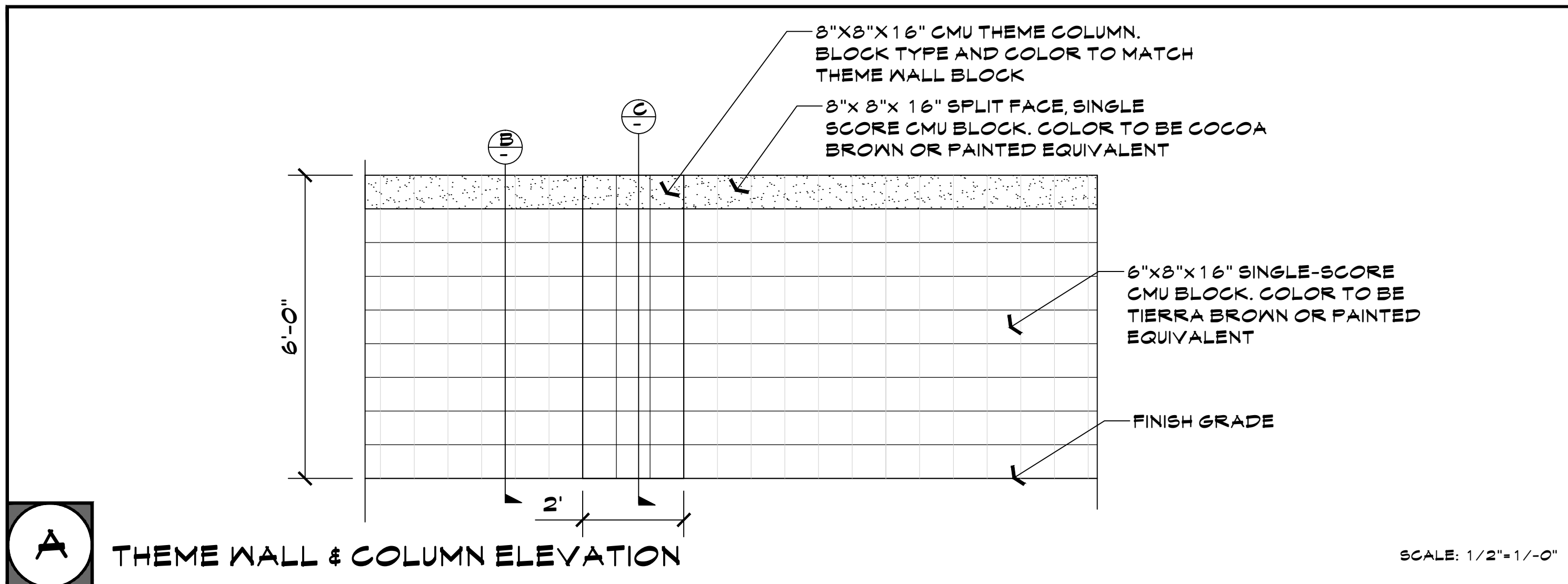
These drawings, as legal instruments of professional services are, and shall remain the property of the landscape architect.

These drawings shall not be used on other projects or for additions to this project except by written agreement from the landscape architect.

JOB NO. 14-42
DATE: 02-15-16
DRAWN BY: NA
CHECKED BY: TM

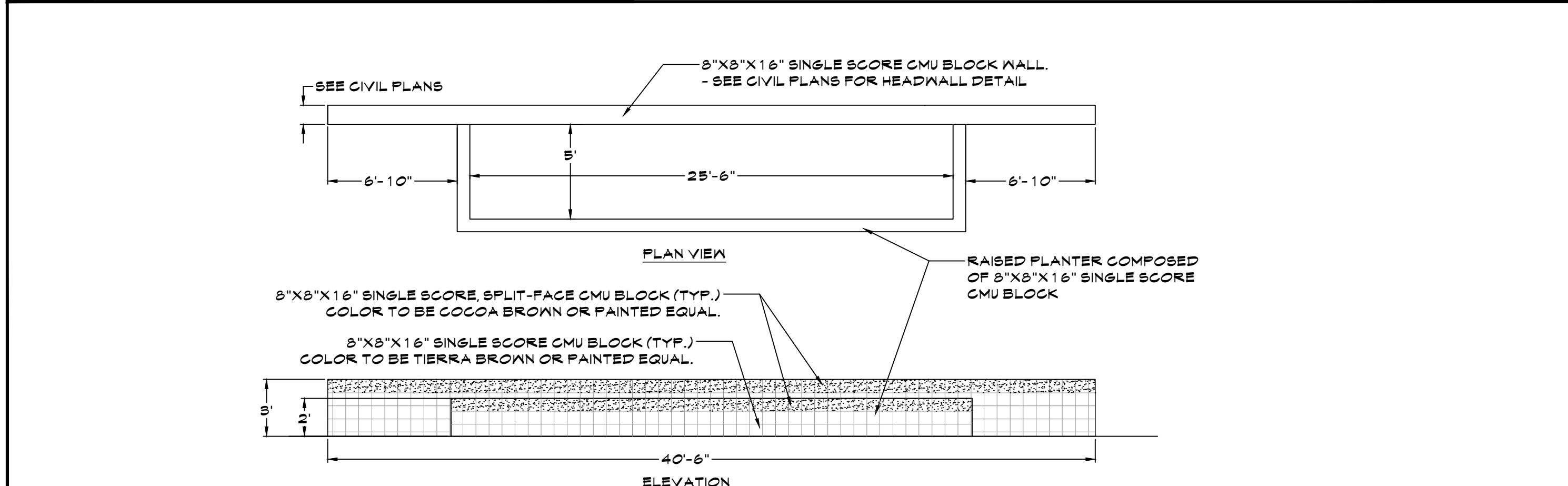
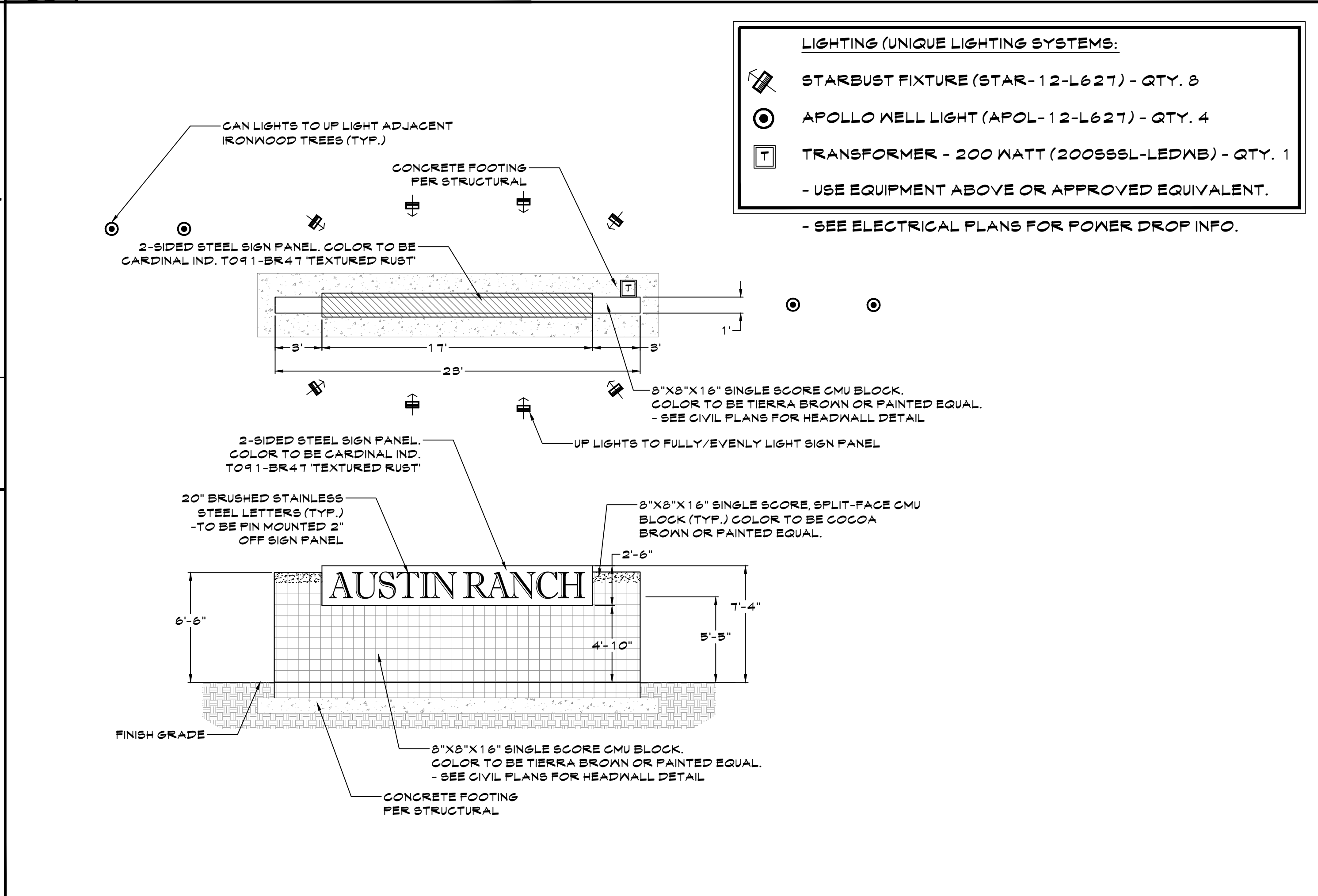
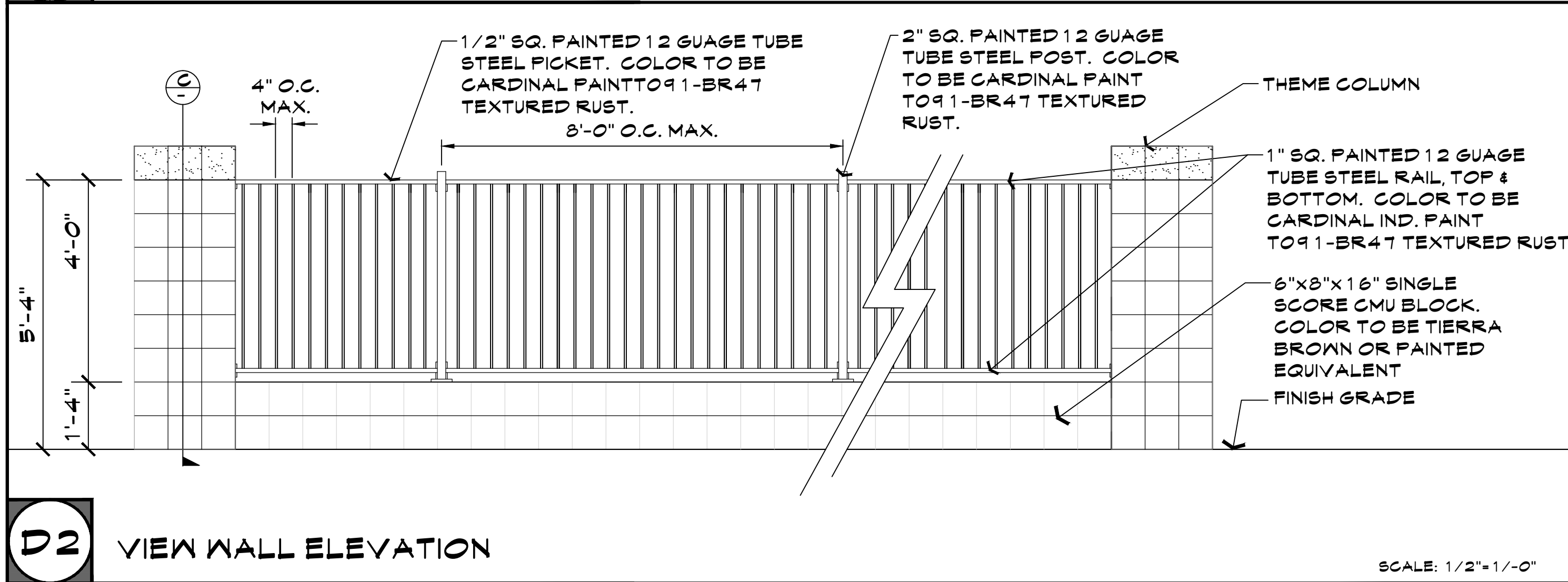
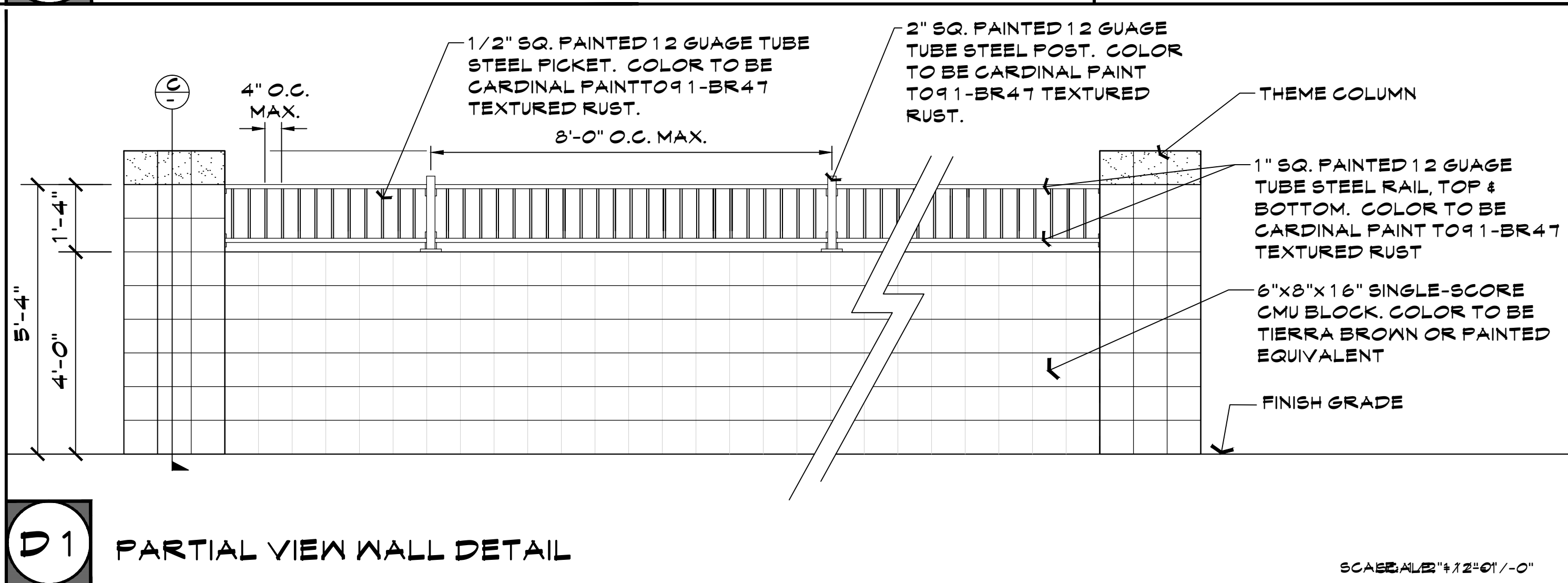
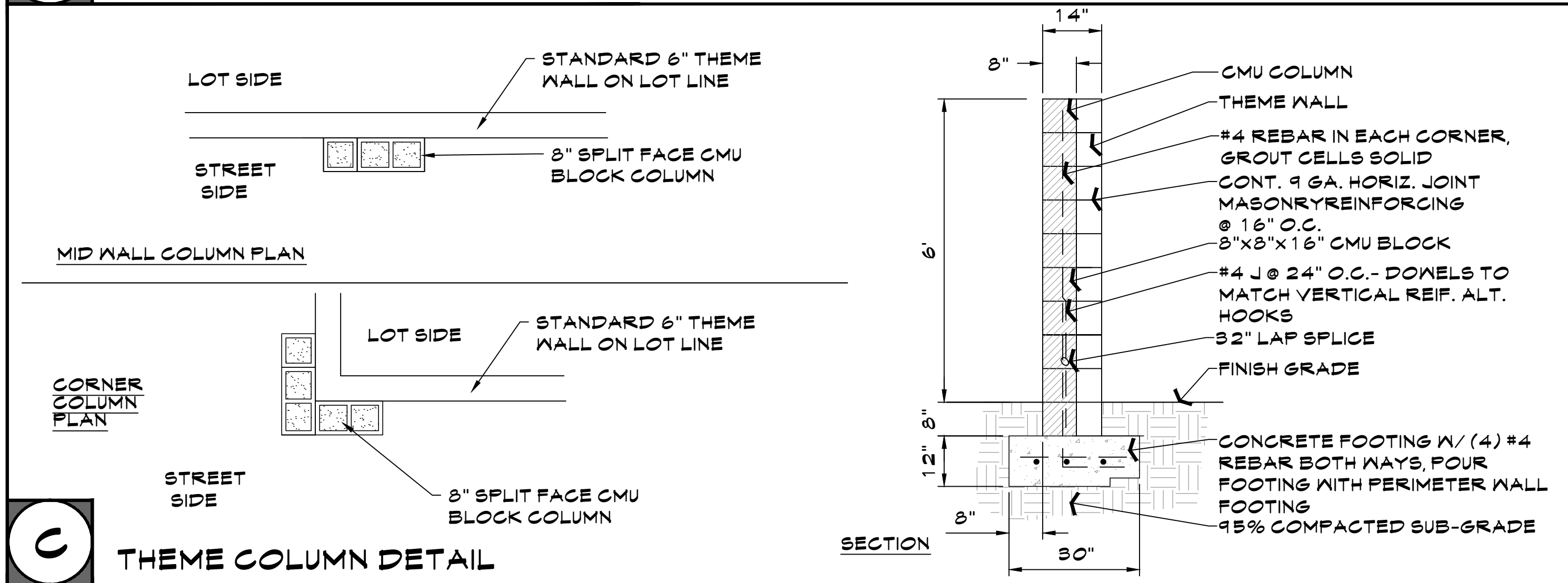
REVISIONS:

SHEET NO.
L4.2

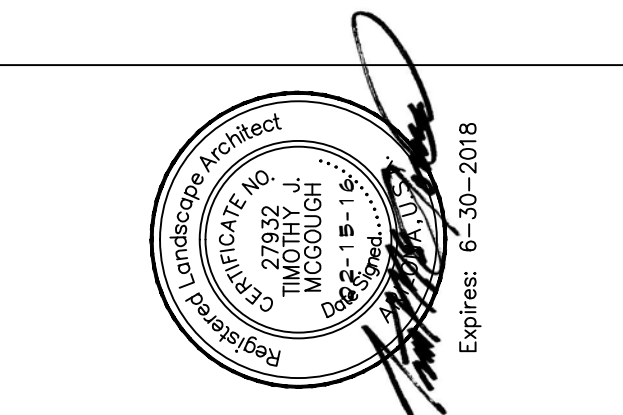


SPECIAL NOTES (ALL DETAILS ON SHEET):

1. DETAILS FOR AESTHETIC/MATERIAL REFERENCE ONLY; STRUCTURAL DETAILS REQUIRED PRIOR TO CONSTRUCTION.
2. SIGN SHOWN FOR REFERENCE ONLY, SIGN REQUIRES A SEPARATE PERMIT.
3. SHOP DRAWINGS ARE REQUIRED PRIOR TO CONSTRUCTION.
4. ALL WROUGHT IRON TO BE PAINTED WITH EPOXY PRIMER AND THEN WITH URETHANE, ELECTROSTATICALLY APPLIED. FINISH COAT AND COLOR TO MATCH SPECIFICATION.
5. ALL ALTERNATE OR EQUIVALENT SUBSTITUTIONS MUST BE APPROVED BY OWNER OR LANDSCAPE ARCHITECT.



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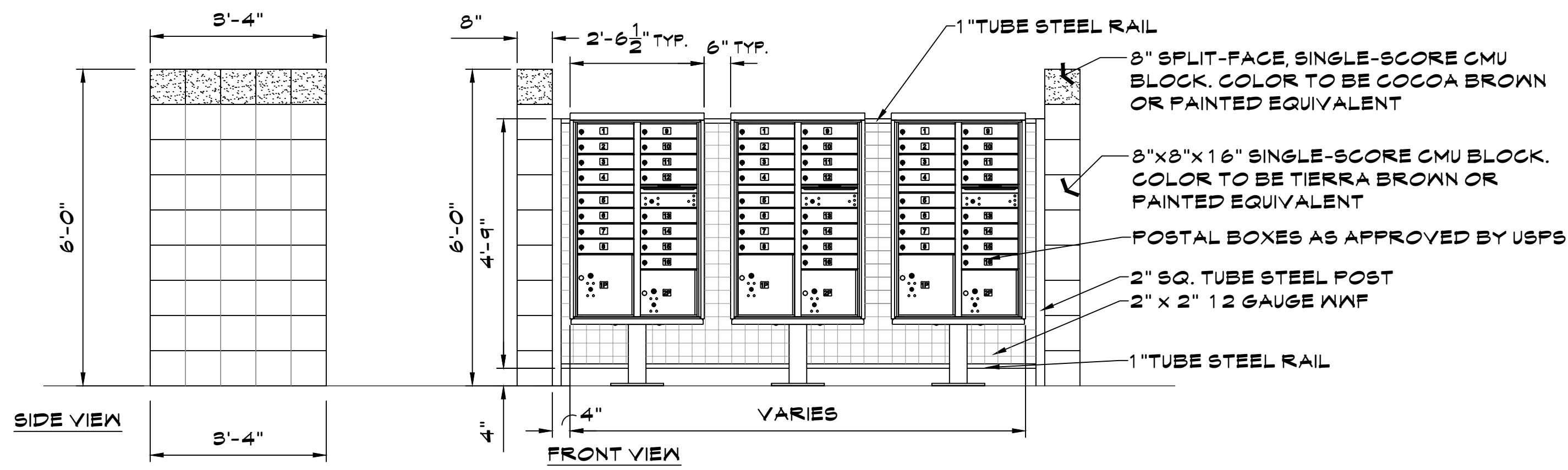
HARDSCAPE DETAILS
AUSTIN RANCH WEST - PARCEL 1
NEC OF 189RD AVE AND DEER VALLEY RD.
SURPRISE, ARIZONA
PREPARED FOR: COURTLAND HOMES

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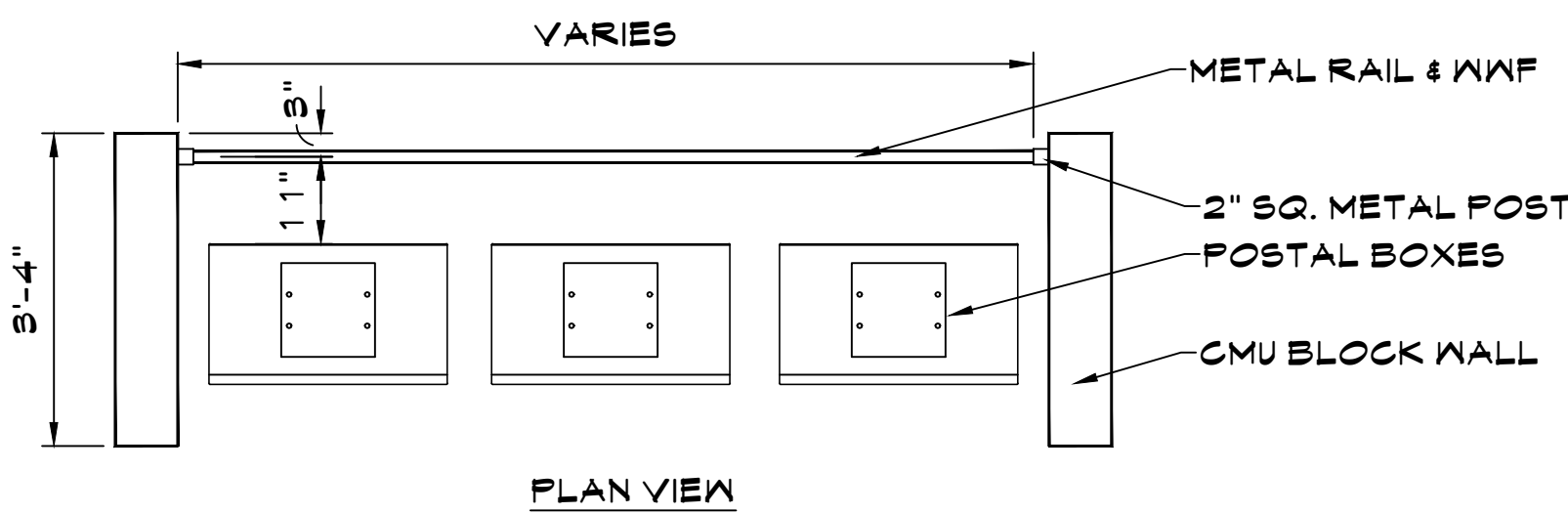
JOB NO. 14-42
DATE: 02-15-16
DRAWN BY: NA
CHECKED BY: TM

REVISIONS:

SHEET NO. L5.1
37 OF 40

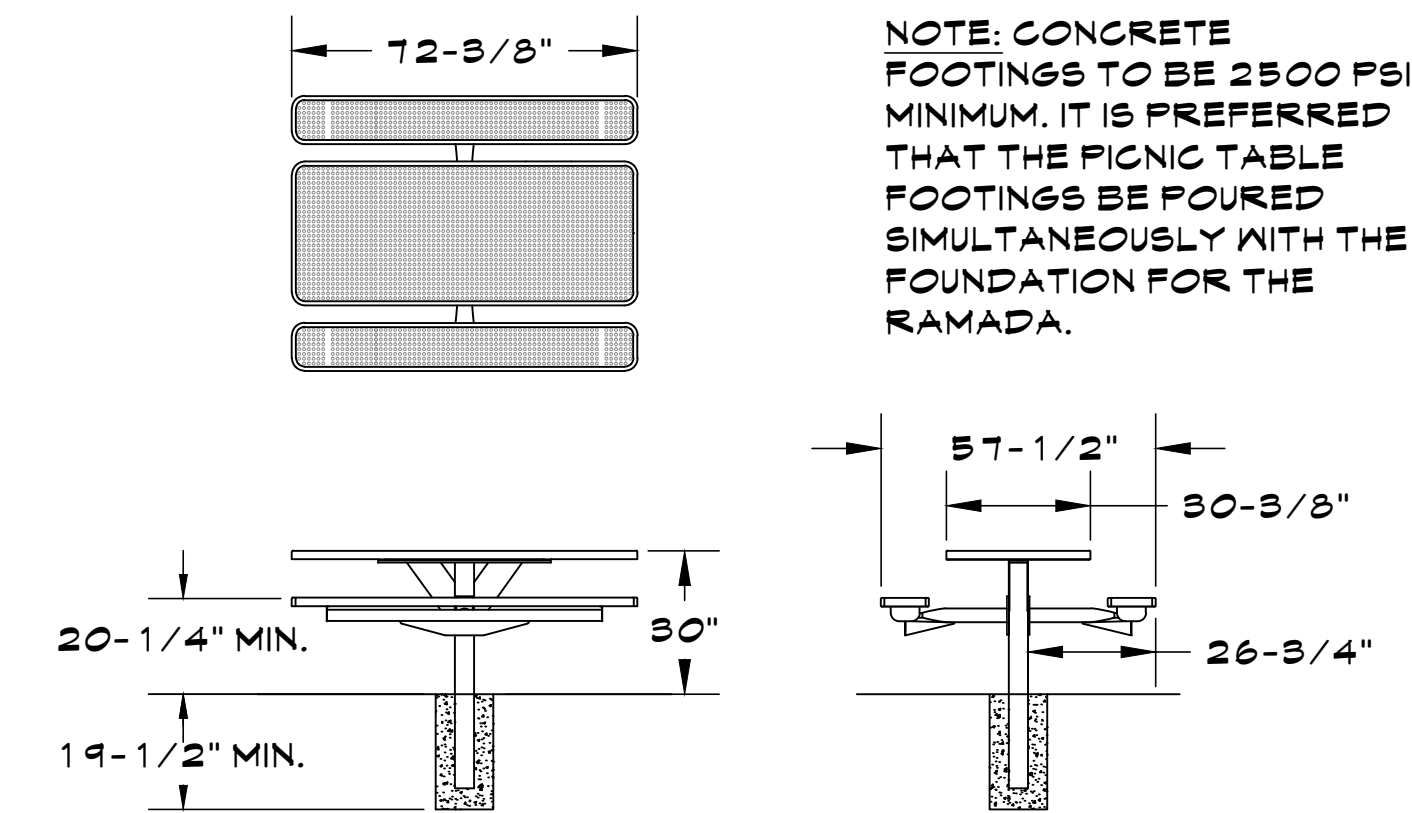


ALL STEEL TO BE CARDINAL INDUSTRIES
COLOR 'TEXTURED RUST' (TO 91-BR47).



A MAILBOX DETAIL

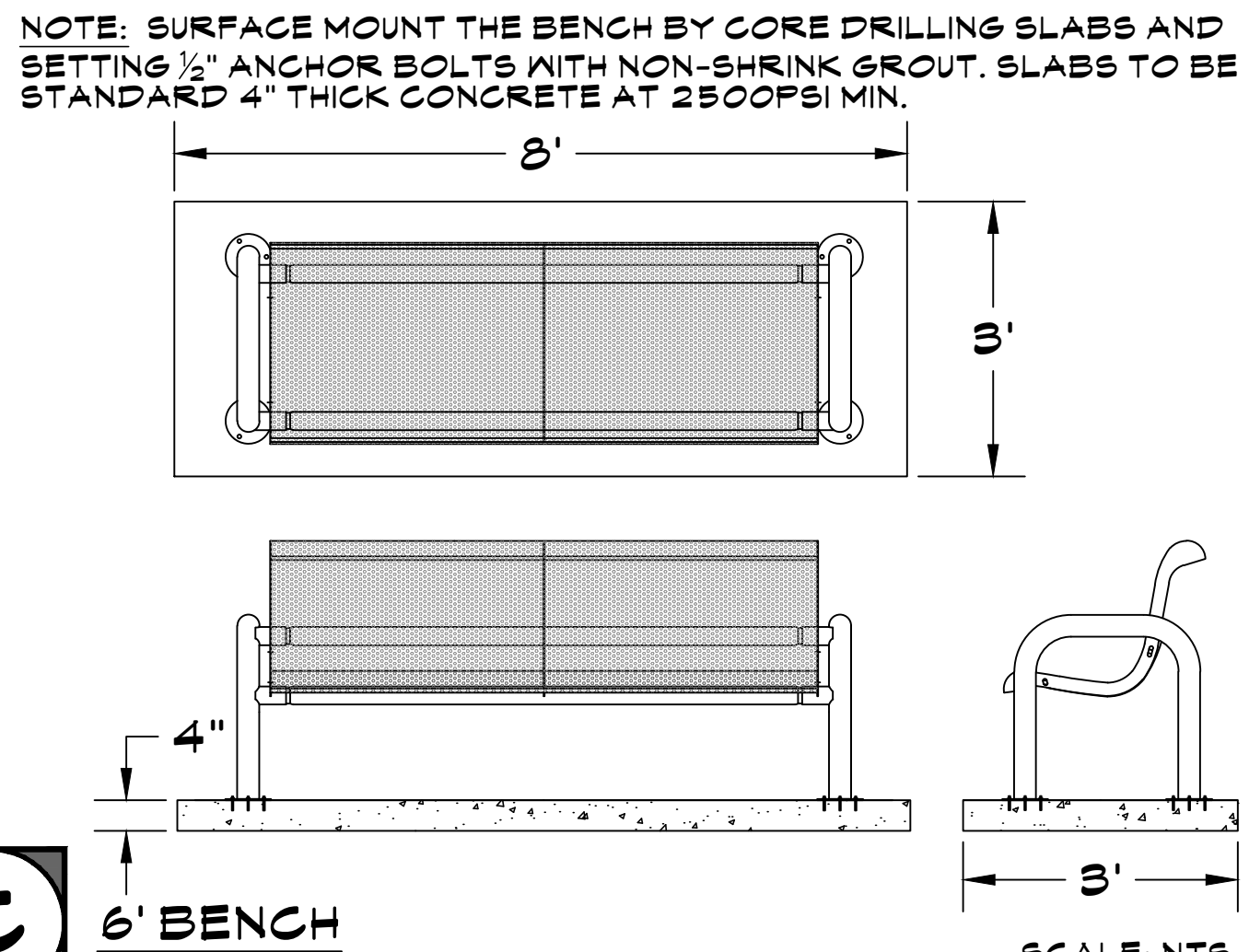
SCALE: 1/4"=1'-0"



NOTE: CONCRETE
FOOTINGS TO BE 2500 PSI
MINIMUM. IT IS PREFERRED
THAT THE PICNIC TABLE
FOOTINGS BE POURED
SIMULTANEOUSLY WITH THE
FOUNDATION FOR THE
RAMADA.

B PICNIC TABLE

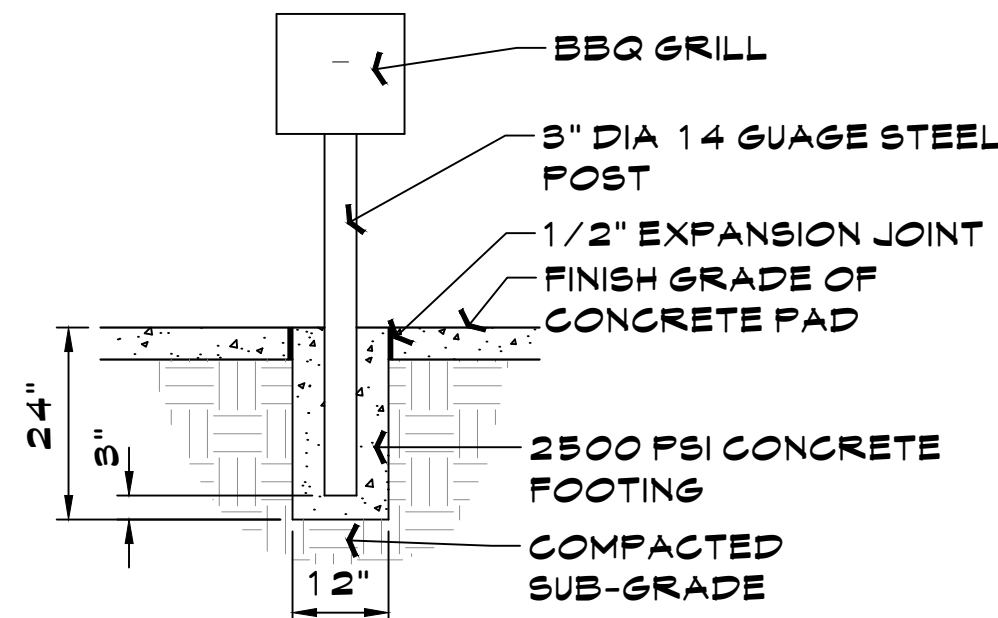
SCALE: NTS



NOTE: SURFACE MOUNT THE BENCH BY CORE DRILLING SLABS AND
SETTING 1/2" ANCHOR BOLTS WITH NON-SHRINK GROUT. SLABS TO BE
STANDARD 4" THICK CONCRETE AT 2500PSI MIN.

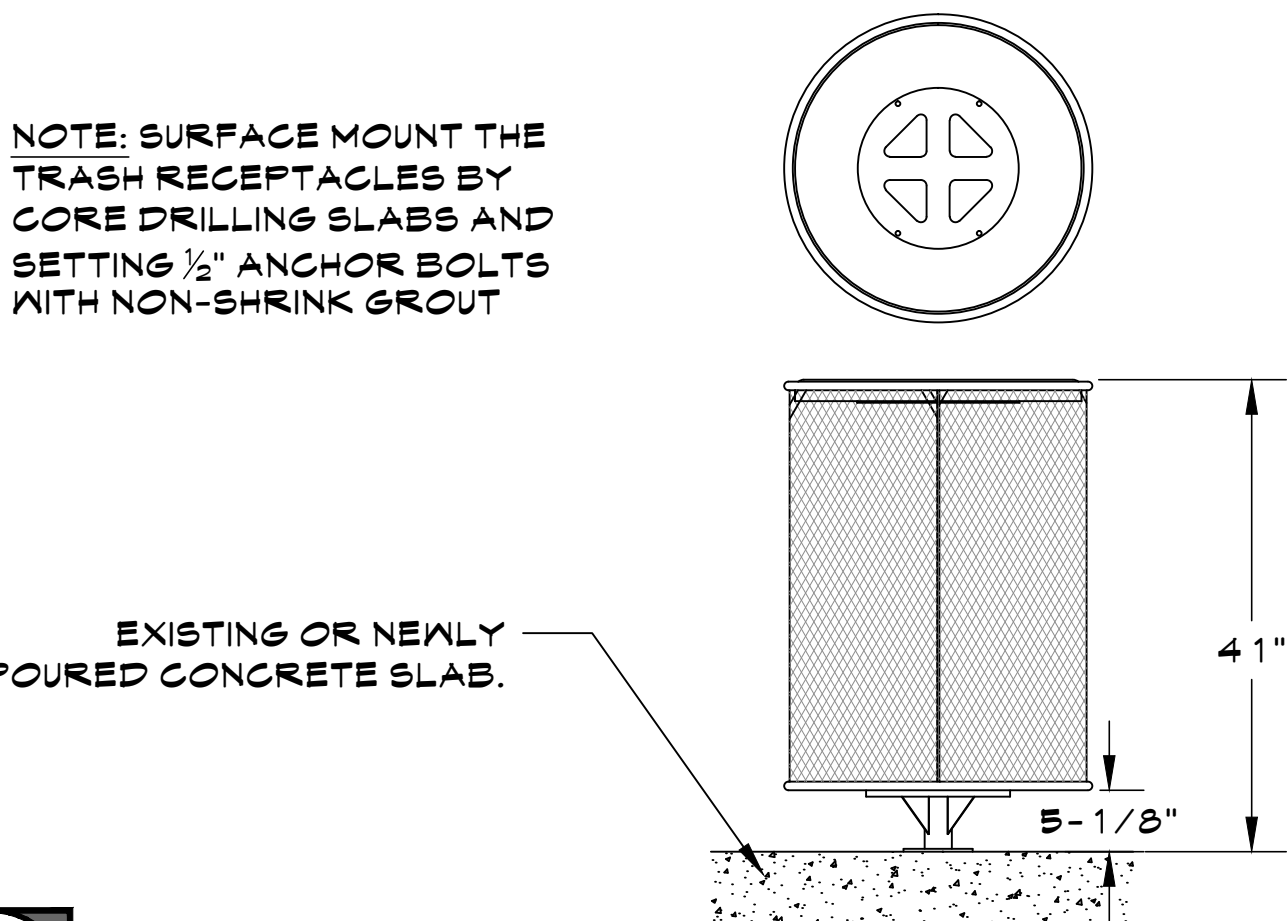
C 6' BENCH

SCALE: NTS



D BBQ GRILL

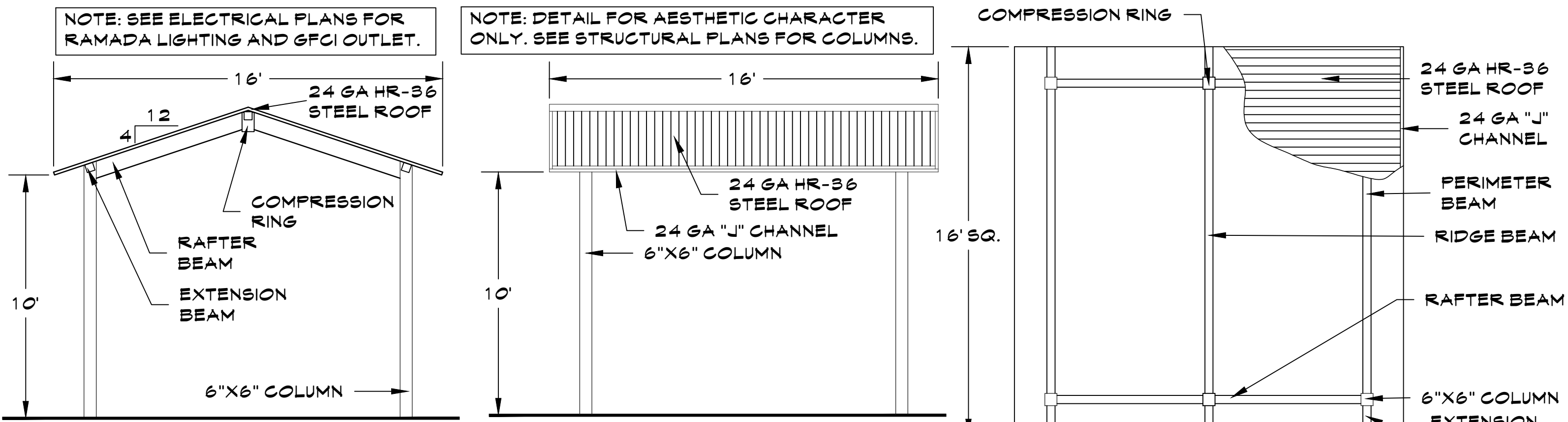
SCALE: 1/4"=1'-0"



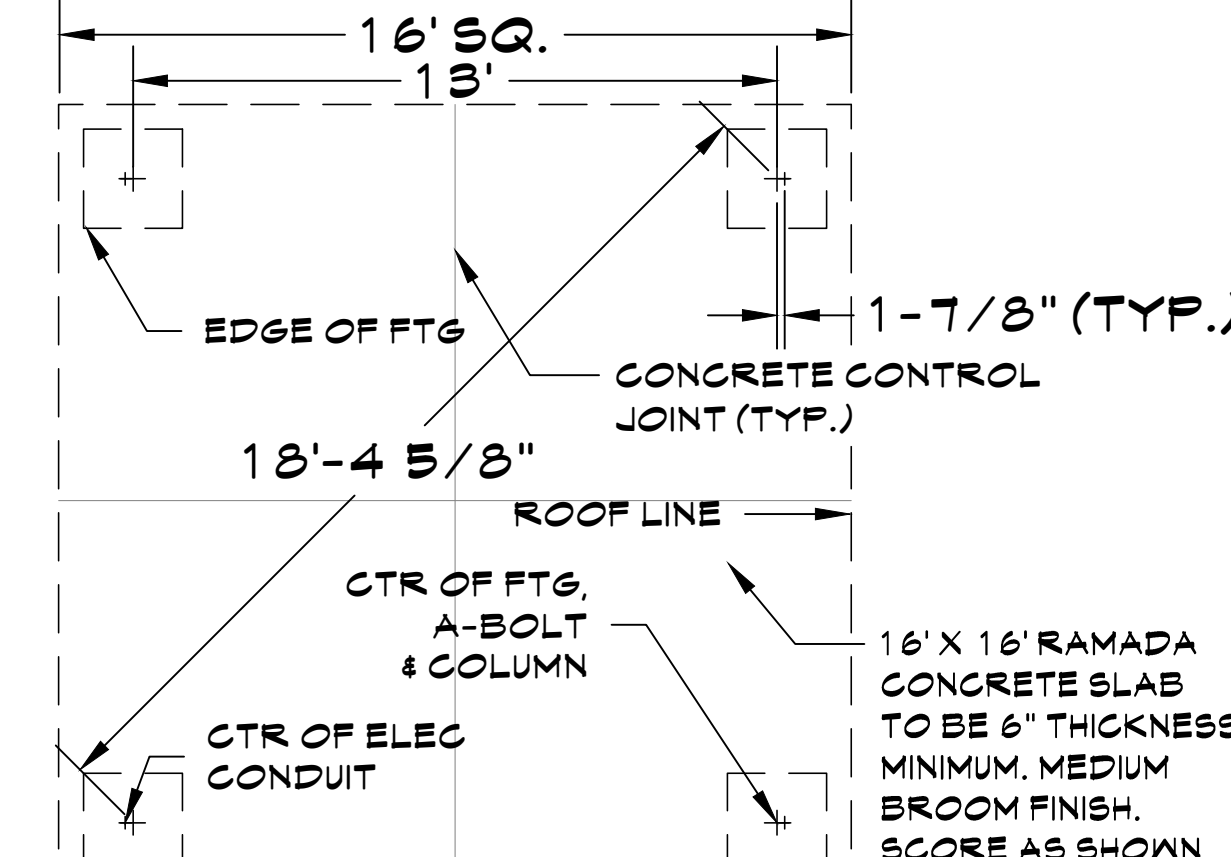
NOTE: SURFACE MOUNT THE
TRASH RECEPTACLES BY
CORE DRILLING SLABS AND
SETTING 1/2" ANCHOR BOLTS
WITH NON-SHRINK GROUT

E TRASH RECEPTACLE

SCALE: NTS

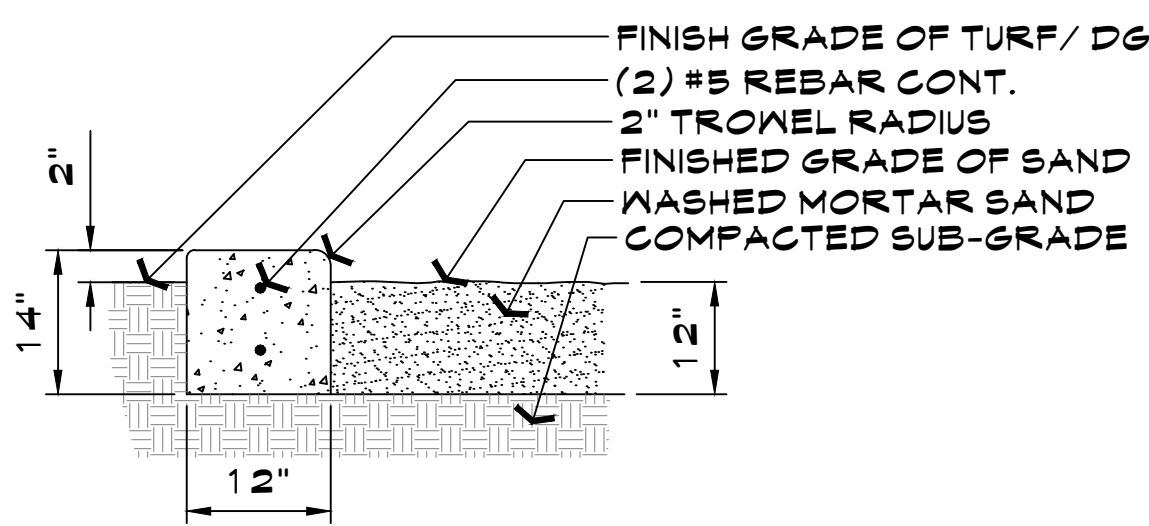


F 16' X 16' ORLANDO RAMADA (NOT FOR CONSTRUCTION)



G CONCRETE PLAYGROUND TURNDOWN

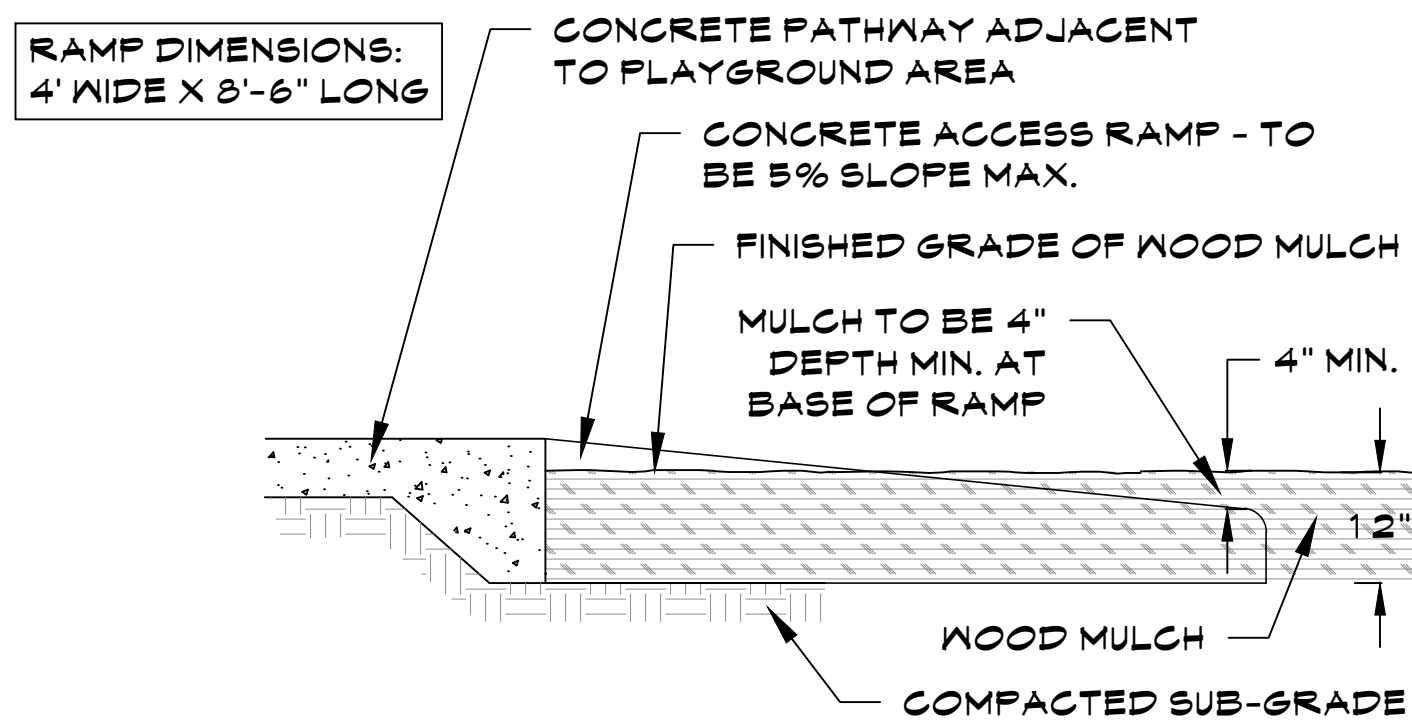
SCALE: NTS



NOTE:
EXPANSION JOINTS SHALL BE CONSTRUCTED AT
THE END OF ALL FOURS, AT POINTS OF CURVATURE,
AND AT A MAX. SPACING OF 100 FEET.

H CONCRETE PLAYGROUND HEADER

SCALE: NTS



NOTE:
ALL CONCRETE RAMPS TO BE LOCATED OUTSIDE OF PLAY
EQUIPMENT FALL ZONES TO ENSURE THAT MULCH DEPTH
ACCOMMODATES PLAY EQUIPMENT FALL HEIGHTS.

I CONCRETE PLAYGROUND RAMP

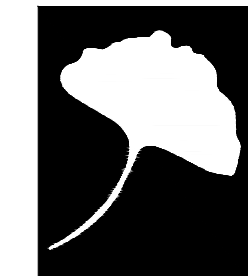
SCALE: NTS

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SUBSTITUTIONS MUST BE APPROVED BY
OWNER OR LANDSCAPE ARCHITECT.

J NOTES

SCALE: NTS

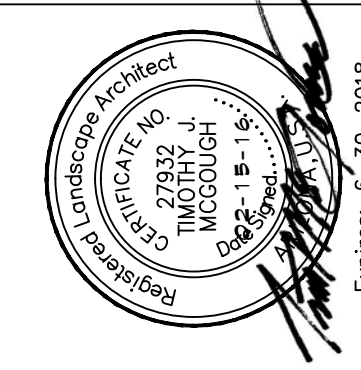


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HARDSCAPE DETAILS
AUSTIN RANCH WEST - PARCEL 1

NEC OF 189RD AVE AND DEER VALLEY RD.
SURPRISE, ARIZONA

PREPARED FOR: COURTLAND HOMES

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JOB NO. 14-42
DATE: 02-15-16
DRAWN BY: NA
CHECKED BY: TM

REVISIONS:

SHEET NO.
L5.2

Austin Ranch Parcel 1

The Mayor and City Council

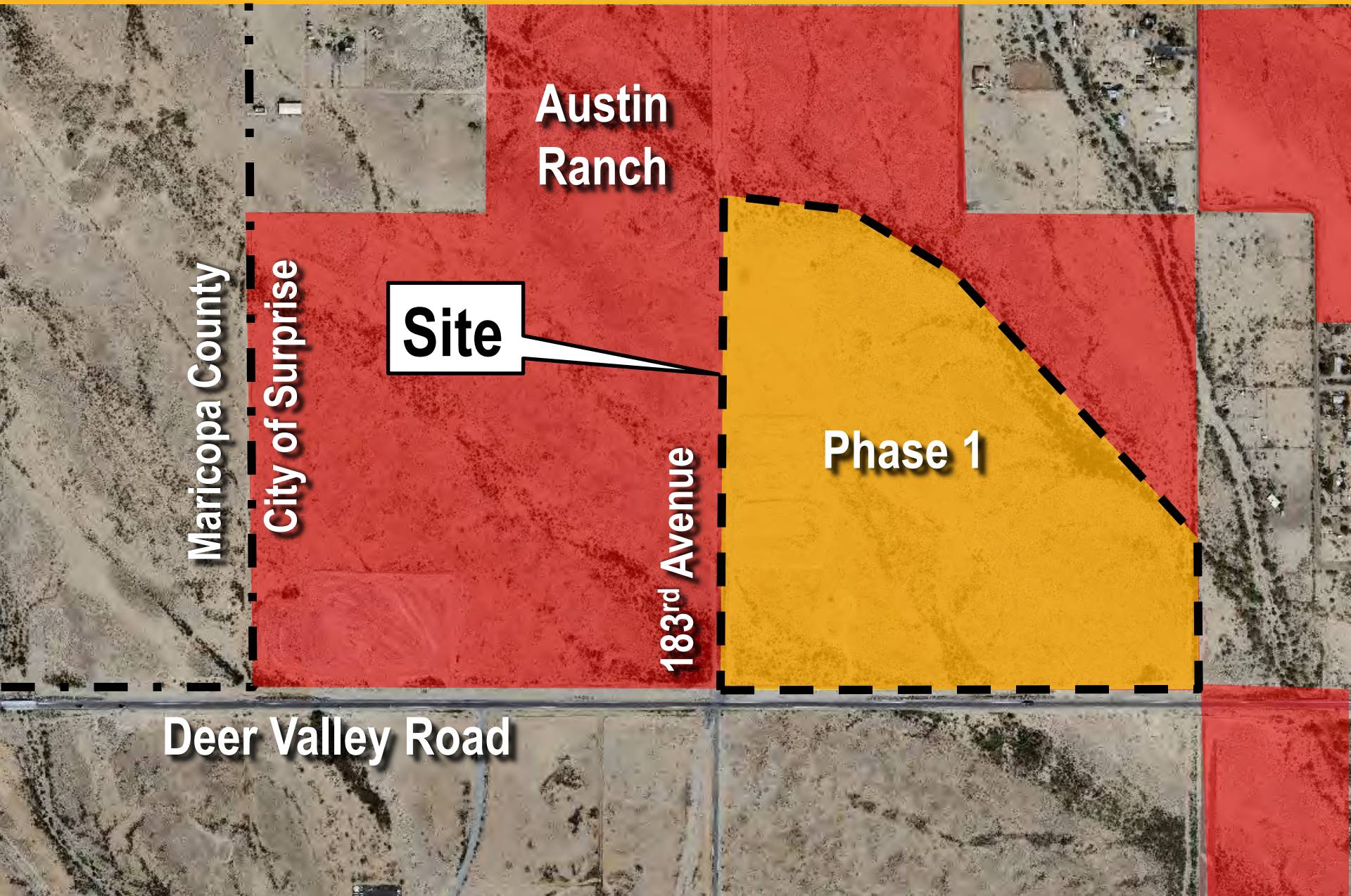
April 5, 2016



VICINITY MAP – PHASE 1



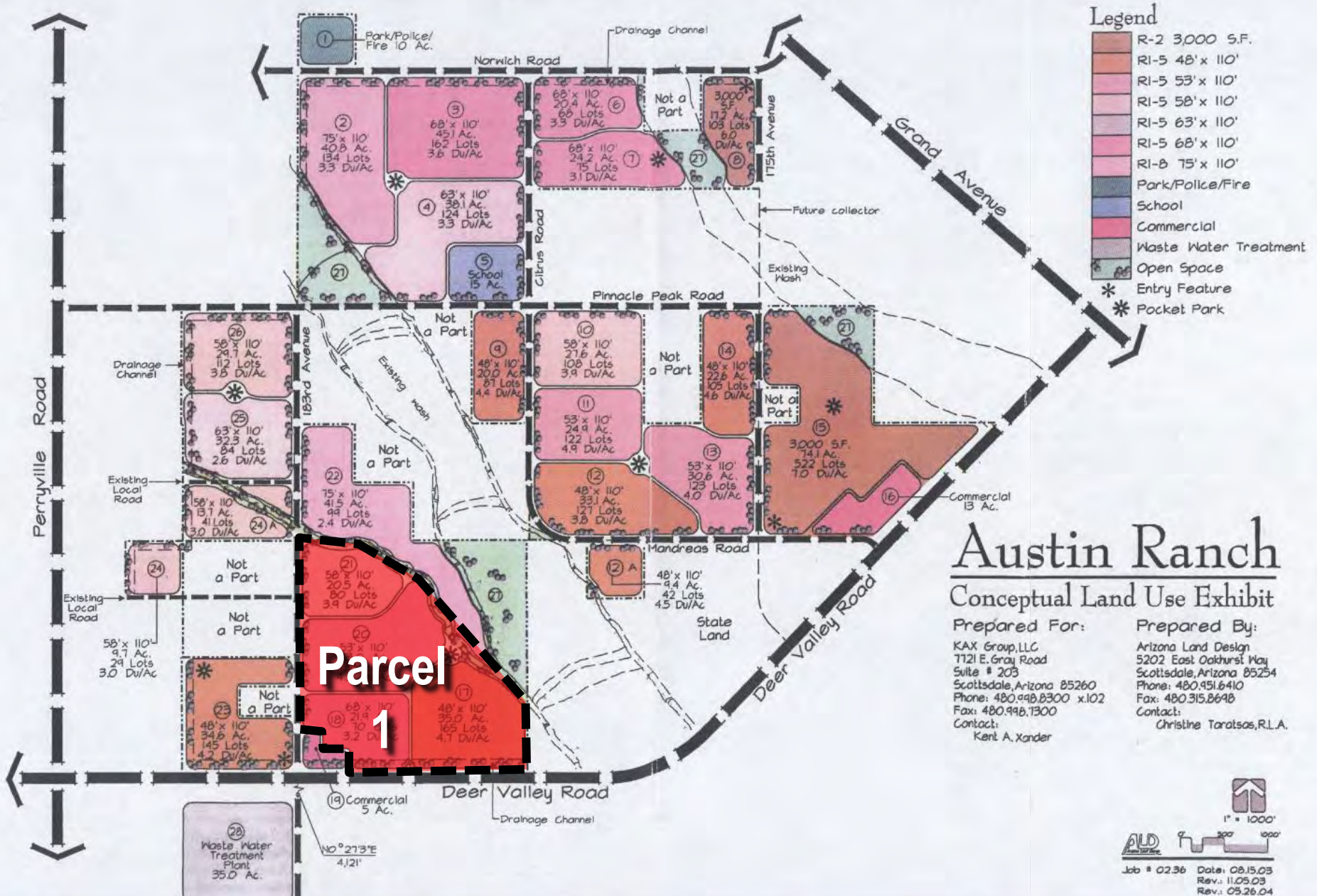
VICINITY MAP – PHASE 1



PARCEL 4



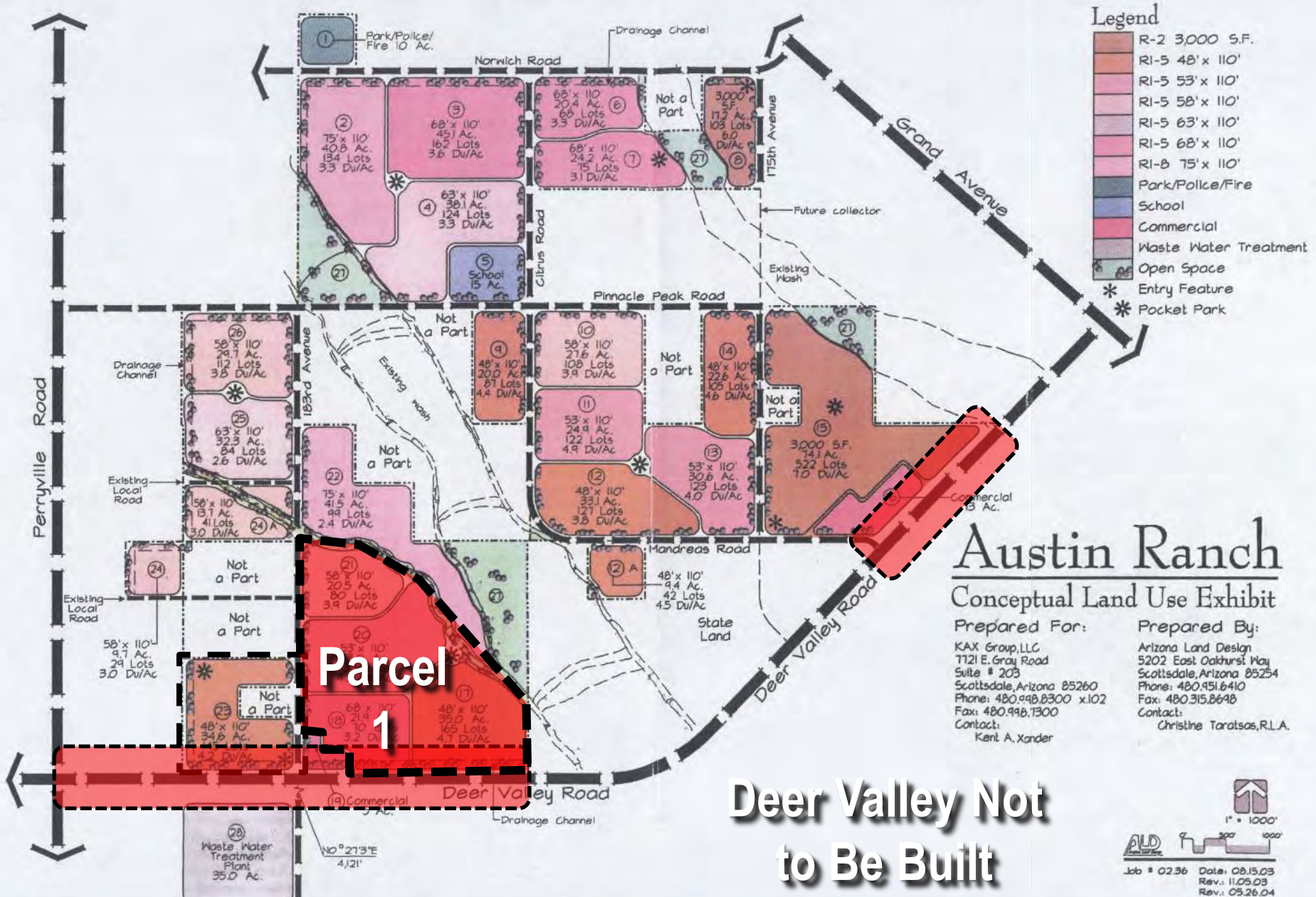
SURPRISE
ARIZONA



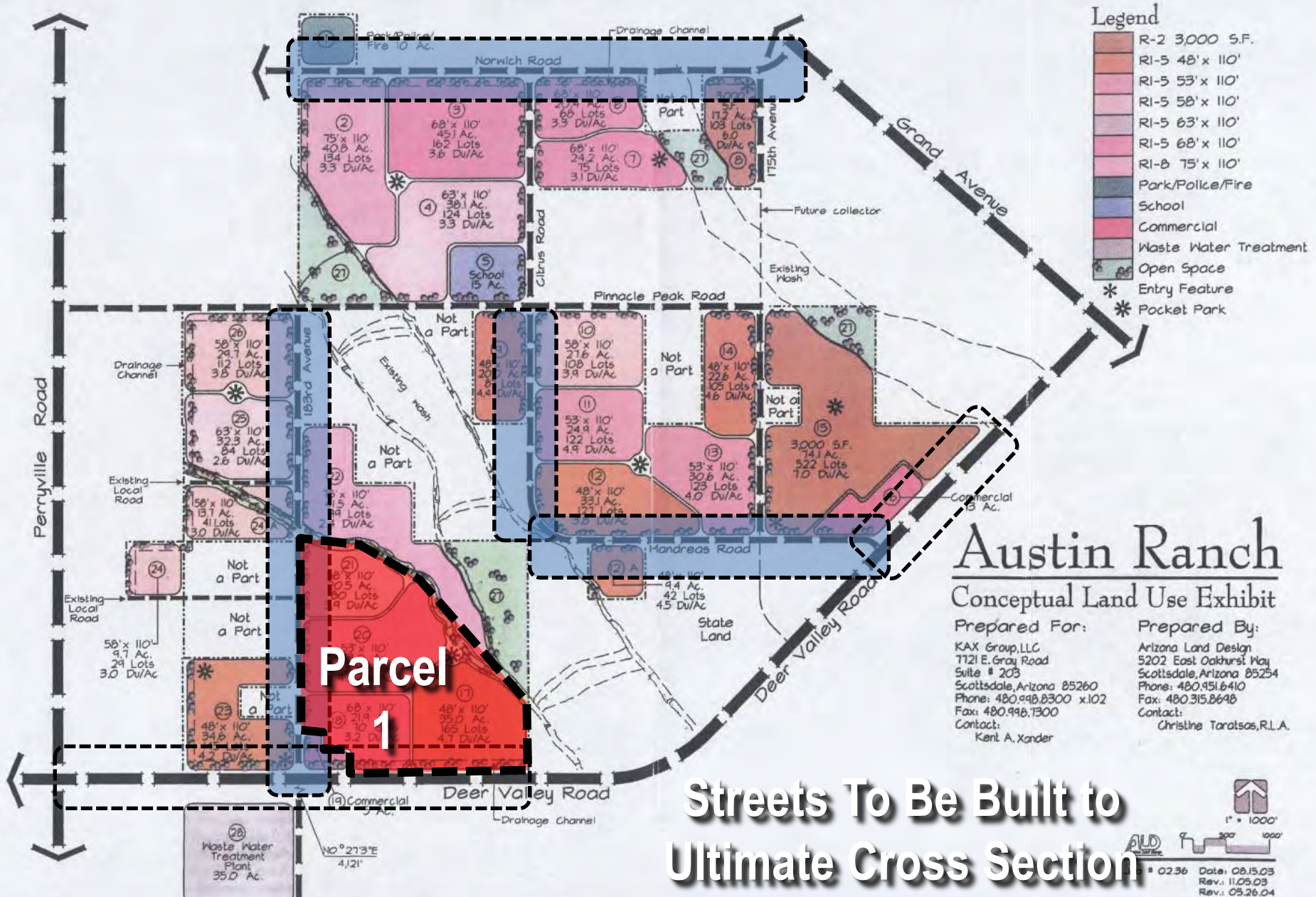
DEER VALLEY NOT TO BE BUILT



SURPRISE
ARIZONA



STREETS TO ULTIMATE CROSS SECTION



EV: _____

COMMISSION EXPIRES: _____ DATE: _____

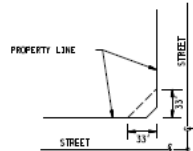
TOTAL LOTS = 420
EXISTING ZONING: P.D.D.
FIRM MAP 40401/02/005L

596

age Land Surveying



AUSTIN RANCH WEST PARCEL 1



VEHICULAR TRIANGLE DETAIL
NOT TO SCALE

ANY OBJECT, WALL, STRUCTURE, MOUND OR LANDSCAPING (NATIVE OR NOT) 24" IN HEIGHT IS NOT ALLOWED WITHIN THE VEHICULAR EASEMENT. TREE CANOPIES OVERHANGING THE EASEMENT, SHALL BE KEPT TRIMMED TO THE HEIGHT NO LESS THAN 7'.

TRACT INFORMATION CHART		
TRACT	DESCRIPTION	AREA
A	DRAINAGE/LANDSCAPING/P.U.L.L.	1.87 AC
B	DRAINAGE/LANDSCAPING/P.U.L.L.	0.91 AC
C	DRAINAGE/LANDSCAPING/P.U.L.L.	0.86 AC
D	DRAINAGE/LANDSCAPING/P.U.L.L.	0.86 AC
E	DRAINAGE/LANDSCAPING/P.U.L.L.	2.85 AC
F	DRAINAGE/LANDSCAPING/P.U.L.L.	1.67 AC
G1	DRAINAGE/LANDSCAPING/P.U.L.L.	0.42 AC
G2	DRAINAGE/LANDSCAPING/P.U.L.L.	0.42 AC
I	LANDSCAPING/P.U.L.L.	0.16 AC
J	LANDSCAPING	0.86 AC
K1	DRAINAGE/LANDSCAPING/P.U.L.L.	0.11 AC
K2	DRAINAGE/LANDSCAPING/P.U.L.L.	0.89 AC
M	DRAINAGE/LANDSCAPING/P.U.L.L.	0.34 AC
N	DRAINAGE/LANDSCAPING/P.U.L.L.	0.12 AC
O1	DRAINAGE/LANDSCAPING/P.U.L.L.	0.82 AC
O2	DRAINAGE/LANDSCAPING/P.U.L.L.	2.89 AC
O3	DRAINAGE/LANDSCAPING/P.U.L.L.	1.39 AC
P	DRAINAGE/LANDSCAPING/P.U.L.L.	0.39 AC
Q	DRAINAGE/LANDSCAPING/P.U.L.L.	0.88 AC
AL	DRAINAGE/LANDSCAPING/P.U.L.L.	0.34 AC
TOTAL TRACT AREA		21.31 AC

LEGAL DESCRIPTION OF
AUSTIN RANCH - PARCEL 1
BEING A PART OF SECTION 15, TOWNSHIP 4 NORTH, RANGE 2 WEST OF THE
10A AND 10B TIES, BATE AND MENDOTA, MARICOPA COUNTY, ARIZONA,
MORE PARTICULARLY DESCRIBED AS FOLLOWS:
BEGINNING AT THE SOUTHEAST CORNER OF SAID SECTION 15;
THENCE S 89°57'17" W. CONCURRENT WITH THE SOUTH LINE OF THE
SOUTHEAST QUARTER OF SAID SECTION 15, A DISTANCE OF 205.17 FEET;
THENCE N 02°10'51" W. A DISTANCE OF 87.27 FEET;
THENCE N 64°10'54" W. A DISTANCE OF 42.58 FEET;
THENCE N 02°10'51" W. A DISTANCE OF 23.05 FEET;
THENCE S 89°49'09" W. A DISTANCE OF 276.86 FEET TO A POINT OF CURVATURE;
THENCE ALONG A CURVE ON AN ARC TO THE RIGHT, HAVING A
RADIUS OF 102.50 FEET THROUGH A CENTRAL ANGLE OF 10°22'20", A
DISTANCE OF 51.70 FEET TO A POINT OF TANGENCY;
THENCE N 70°45'24" W. A DISTANCE OF 50.75 FEET TO A POINT OF CURVATURE;
THENCE ALONG A CURVE ON AN ARC TO THE LEFT, HAVING A
RADIUS OF 87.50 FEET THROUGH A CENTRAL ANGLE OF 10°42'13", A
DISTANCE OF 31.07 FEET TO A POINT OF TANGENCY;
THENCE N 89°02'47" W. A DISTANCE OF 38.44 FEET;
THENCE N 02°10'51" W. A DISTANCE OF 55.01 FEET;
THENCE N 44°14'51" W. A DISTANCE OF 38.24 FEET;
THENCE N 02°10'51" W. A DISTANCE OF 75.17 FEET;
THENCE S 89°55'14" W. A DISTANCE OF 80.00 FEET;
THENCE N 02°10'51" W. A DISTANCE OF 148.42 FEET;
THENCE N 45°10'51" W. A DISTANCE OF 28.38 FEET;
THENCE N 02°10'51" W. A DISTANCE OF 55.00 FEET;
THENCE N 44°14'51" W. A DISTANCE OF 38.28 FEET;
THENCE N 02°10'51" W. A DISTANCE OF 8.34 FEET TO A POINT OF CURVATURE;
THENCE ALONG A CURVE ON AN ARC TO THE RIGHT, HAVING A
RADIUS OF 100.00 FEET THROUGH A CENTRAL ANGLE OF 08°42'50", A
DISTANCE OF 38.10 FEET TO A POINT OF TANGENCY;
THENCE N 08°30'57" E. A DISTANCE OF 81.95 FEET TO A POINT OF CURVATURE;
THENCE ALONG A CURVE ON AN ARC TO THE LEFT, HAVING A
RADIUS OF 310.00 FEET THROUGH A CENTRAL ANGLE OF 08°40'58", A
DISTANCE OF 45.18 FEET TO A POINT OF TANGENCY;
THENCE N 02°10'51" W. A DISTANCE OF 7.80 FEET;
THENCE N 89°54'23" W. A DISTANCE OF 3.50 FEET TO A POINT ON THE
NORTH-SOUTH MID-SECTION LINE OF SAID SECTION 15;
THENCE N 02°10'51" W. CONCURRENT WITH SAID MID-SECTION LINE,
A DISTANCE OF 655.70 FEET;
THENCE N 89°49'09" E. A DISTANCE OF 77.00 FEET;
THENCE N 02°10'51" W. A DISTANCE OF 7.80 FEET TO A POINT OF CURVATURE;
THENCE ALONG A CURVE ON AN ARC TO THE LEFT, HAVING A
RADIUS OF 100.00 FEET THROUGH A CENTRAL ANGLE OF 08°04'00", A
DISTANCE OF 34.31 FEET TO A POINT OF TANGENCY;
THENCE N 08°14'50" W. A DISTANCE OF 44.50 FEET;
THENCE S 70°10'50" E. A DISTANCE OF 525.23 FEET;
THENCE S 69°50'17" E. A DISTANCE OF 809.51 FEET;
THENCE S 33°48'34" E. A DISTANCE OF 125.80 FEET;
THENCE S 47°15'58" E. A DISTANCE OF 340.80 FEET;
THENCE S 08°20'08" E. A DISTANCE OF 43.78 FEET;
THENCE S 58°12'41" E. A DISTANCE OF 80.73 FEET;
THENCE N 70°29'40" E. A DISTANCE OF 150.00 FEET TO A POINT ON A
NON-TANGENT CURVE FROM WHICH POINT THE CENTER BEARS
N 70°29'40" E. AT A DISTANCE OF 372.50 FEET;
THENCE WITH THE ARC OF SAID NON-TANGENT CURVE TO THE RIGHT,
HAVING A RADIUS OF 372.50 FEET, THROUGH A CENTRAL ANGLE OF 25°20'58",
A DISTANCE OF 184.77 FEET TO A POINT OF TANGENCY;
THENCE S 44°10'50" E. A DISTANCE OF 148.80 FEET TO A POINT OF
CURVATURE;
THENCE ALONG A CURVE ON AN ARC TO THE RIGHT, HAVING A RADIUS OF
345.04 FEET, THROUGH A CENTRAL ANGLE OF 10°33'25", AN ARC DISTANCE OF
101.55 FEET TO A POINT ON THE EAST LINE OF THE SOUTHEAST QUARTER OF
SAID SECTION 15;
THENCE S 02°12'48" E. CONCURRENT WITH THE EAST LINE OF THE
SOUTHEAST QUARTER OF SAID SECTION 15, A DISTANCE OF 664.27
FEET TO THE TRUE POINT OF BEGINNING.
CONTAINING IN AREA 4,877.894 SQUARE FEET OR 114.278 ACRES
MORE OR LESS.

NOTES:

- NO STRUCTURES OF ANY KIND MAY BE CONSTRUCTED OR ANY
VEGETATION BE PLANTED NOW OR ALLOWED TO GROW WITHIN THE
DRAINAGE EASEMENT UNLESS IT WOULD IMPAIR THE FLOW OF WATER
OVER, UNDER OR THROUGH THE EASEMENT.
- NO STRUCTURE OF ANY KIND SHALL BE CONSTRUCTED ON, OVER OR
PLACED WITHIN THE SEWER AND WATER EASEMENT EXCEPT ROAD, WIRE,
OR REMOVABLE SECTION TYPE FENCING AND/OR PAVING, AND ANY
PLANTING EXCEPT GRASS. IT SHALL BE FURTHER UNDERSTOOD THAT THE
CITY OF SURPRISE ("CITY") SHALL NOT BE REQUIRED TO REPLACE ANY
RESTRICTIONS, THINGS AND/OR GROUND COVER THAT MAY BE REMOVED
DURING THE COURSE OF MAINTENANCE, CONSTRUCTION OR RECONSTRUCTION
OF CITY UTILITIES.
- CONSTRUCTION WITHIN UTILITY EASEMENTS SHALL BE LIMITED TO
UTILITIES, WIRE, WIRE, OR REMOVABLE SECTION TYPE FENCING.
- ALL NEW OR RELOCATED UTILITIES WILL BE PLACED UNDERGROUND.
- STRUCTURES AND LANDSCAPING AT ALL INTERSECTIONS OF STREET
RIGHT-OF-WAY WILL BE MAINTAINED AT A MAXIMUM OF 2' IN HEIGHT
WITHIN A 35' X 35' TRIANGLE MEASURED ALONG THE RIGHT-OF-WAY LINES.
- EACH LOT IN THIS SUBDIVISION IS PERMITTED ONE DWELLING UNIT
PER LOT.
- ALL EASEMENTS ARE SUBORDINATE TO THE DRAINAGE EASEMENTS.
- THE PROPERTY IS LOCATED WITHIN AN AREA HAVING FLOOD ZONE "X"
AND ZONE "A", BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, ON
FLOOD INSURANCE RATE MAP NO. 040131201S AND 040131211L, WITH A
DATE OF CERTIFICATION OF OCTOBER 16, 2013, FOR COMMUNITY
NO. 540003, IN MARICOPA COUNTY, STATE OF ARIZONA, WHICH IS THE
CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH
SAID PROPERTY IS SITUATED.
- THE PROPERTY OWNERS, OR ANY SUBSEQUENT OWNERS SHALL NOT
PROCEED WITH ANY ON-SITE GRADING OR EXCAVATION WITHOUT FIRST
OBTAINING A PERMIT FROM THE CITY OF SURPRISE ENGINEERING
DEPARTMENT.
- PURSUANT TO A.R.S. § 42-11101, THE CITY OF SURPRISE, A POLITICAL
SUBDIVISION OF THE STATE OF ARIZONA, IS EXEMPT FROM ALL TAXES
AND ASSESSMENTS BASED ON ASSESSED VALUE EXCEPT FOR SPECIAL
DISTRICTS 414751 AND 147104 WHEN APPLICABLE.
- IN ACCORDANCE WITH ARS § 9-461.07, THE CITY OF SURPRISE HAS DETERMINED
THAT ALL DEDICATIONS OCCURRING WITH THIS PLAT ARE IN CONFORMANCE
WITH THE SURPRISE GENERAL PLAN.

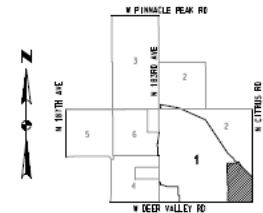


AUSTIN RANCH WEST
PARCEL 1
JOB NO. 137-2013-1
AUGUST 2014

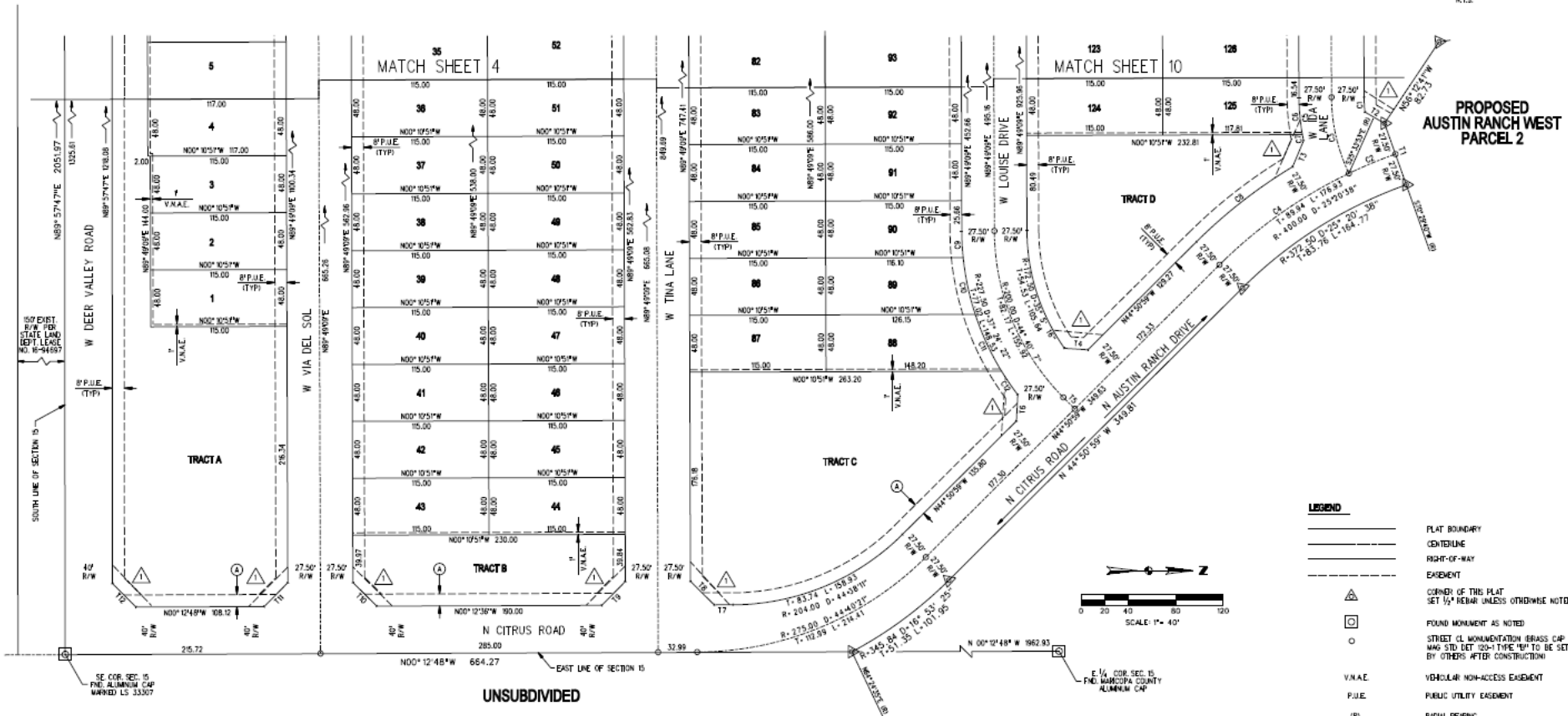
Age Land Surveying
SUE C. O'NEILL, Surveyor

FINAL PLAT

AUSTIN RANCH WEST PARCEL 1



VICINITY MAP
SEC. 15 T4N R2W
N.T.S.



LINE TABLE			CURVE TABLE		
T. NO.	DIRECTION	DISTANCE	C. NO.	RADIUS	DELTA
T1	N10°29'40"E	55.00	C1	132.50	3° 54' 11"
T2	N28°56'53"E	19.10	C2	400.00	6° 5' 18"
T3	N1°14'12"E	27.30	C3	150.00	25° 5' 41"
T4	N01°41'27"E	19.88	C4	400.00	1° 19' 15" 21"
T5	N45°09'01"E	13.67	C5	175.00	11° 52' 50"
T6	N81°05'47"E	12.18	C6	175.00	10° 12' 35"
T7	N00°12'48"W	15.14	C7	171.50	1° 40' 15"
T8	N44°48'10"E	28.38	C8	139.40	8° 49' 51"
T9	N45°11'50"W	28.29	C9	227.50	5° 38' 10"
T10	N44°48'10"E	28.29	C10	227.50	1° 52' 24"
T11	N45°11'50"W	28.29	C11	227.50	1° 52' 24"



AUSTIN RANCH WEST
PARCEL 1
JOB NO. 133-013.1
AUGUST 2014



A vicinity map showing the location of the site. The map is oriented with North at the top. A north arrow is located on the left side, pointing upwards. A scale bar is located at the bottom left, indicating a distance of 0 to 1/4 mile. The map shows several streets: Pinnacle Peak Rd at the top, 13th Ave running vertically through the center, and Deer Valley Rd at the bottom. A shaded area, representing the site, is located in the lower right quadrant, bounded by 13th Ave to the west and Deer Valley Rd to the south. The map also shows several other streets and lots, with numbers 1 through 6 indicating specific areas. The text 'VICINITY MAP' is printed in large, bold letters at the bottom center, with 'SEC. 5 T4N. R2W.' printed below it.

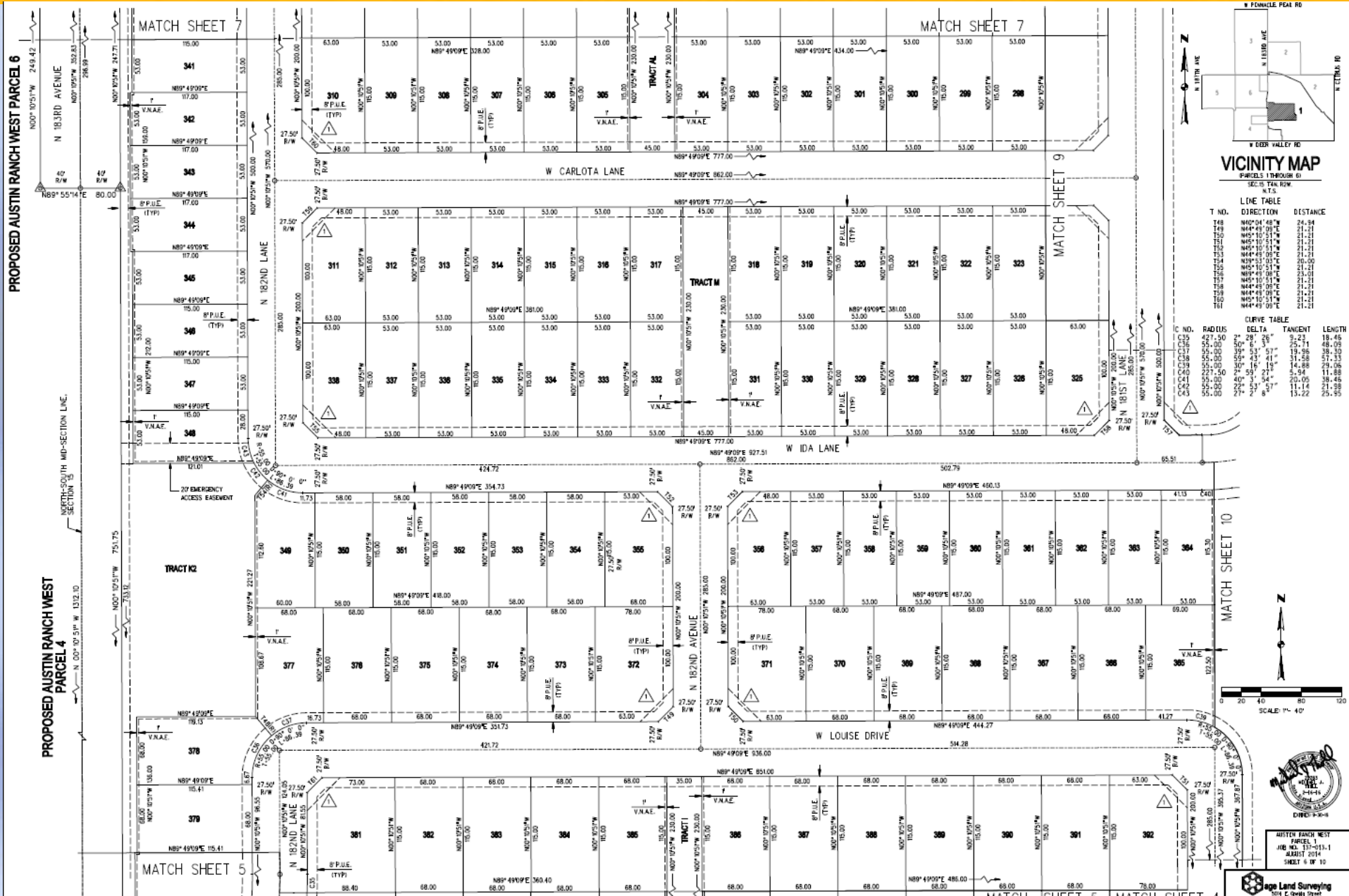
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NORTH-SOUTH MD-SECTION LINE,



AUSTIN RANCH WEST
PARCEL 1
JOB NO. 133-013.1

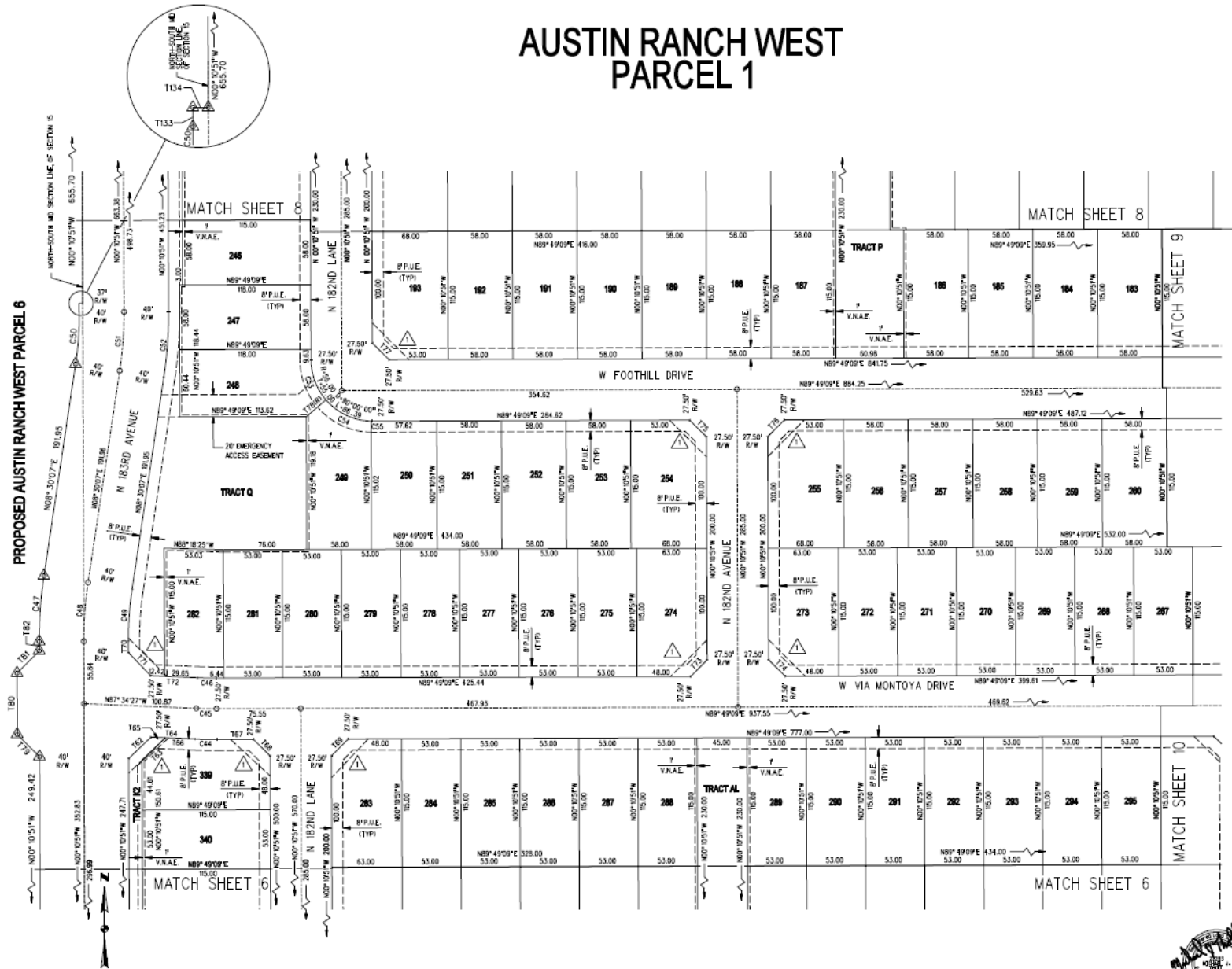
Age Land Surveying



LEGEND	
_____	PLAT BOUNDARY
_____	CENTERLINE
_____	RIGHT-OF-WAY
_____	EASEMENT
	CORNER OF THIS PLAT SET $\frac{1}{4}$ " MEASUR UNLESS OTHERWISE NOTED
	FOUND MONUMENT AS NOTED
	STREET CL MONUMENTATION (BRASS CAP WAS SET TO 100'-TYPE "M" TO BE SET BY OTHERS AFTER CONSTRUCTION)
V.A.N.E.	VEHICULAR NON-ACCESS EASEMENT
P.U.E.	PUBLIC UTILITY EASEMENT
	RACIAL BANNING
	SIGHT VISIBILITY EASEMENT
R/W	RIGHT OF WAY

LINE TABLE		
T NO.	DIRECTION	DISTANCE
T62	N46°07'21"E	27.63
T63	N46°07'21"E	27.63
T64	N87°34'21"W	35.57
T65	N87°34'21"W	13.01
T66	N87°34'21"W	26.57
T67	N89°49'51"E	32.83
T68	N45°10'51"W	21.21
T69	N44°45'09"E	21.21
T70	N45°10'51"E	10.11
T71	N44°45'09"E	28.82
T72	N87°34'21"W	42.08
T73	N44°45'09"E	21.21
T74	N44°45'09"E	21.21
T75	N45°10'51"E	21.21
T76	N44°45'09"E	21.21
T77	N45°10'51"E	21.21
T78	N45°10'51"E	21.21
T79	N45°10'51"W	28.28
T80	N00°10'51"E	55.00
T81	N44°45'09"E	28.28
T82	N00°10'51"W	8.68
T133	N45°10'51"W	7.68
T134	N89°54'22"E	1.00

CURVE TABLE				
C. NO.	RADIUS	DELTA	TANGENT	LENGTH
C43	427.50	2° 38' 9"	9.83	19.67
C44	400.00	2° 36' 24"	9.10	18.20
C46	372.50	2° 36' 24"	8.47	16.95
C47	390.00	8° 40' 58"	29.61	59.10
C48	350.00	8° 40' 58"	26.57	53.04
C49	310.00	8° 40' 58"	23.53	46.98
C50	310.00	8° 40' 58"	23.53	46.98
C51	350.00	8° 40' 58"	26.57	53.04
C52	390.00	8° 40' 58"	29.61	59.10
C53	55.00	40° 33' 31"	20.32	38.93
C54	55.00	48° 0' 31"	24.49	46.08
C55	55.00	1° 25' 59"	0.69	1.38

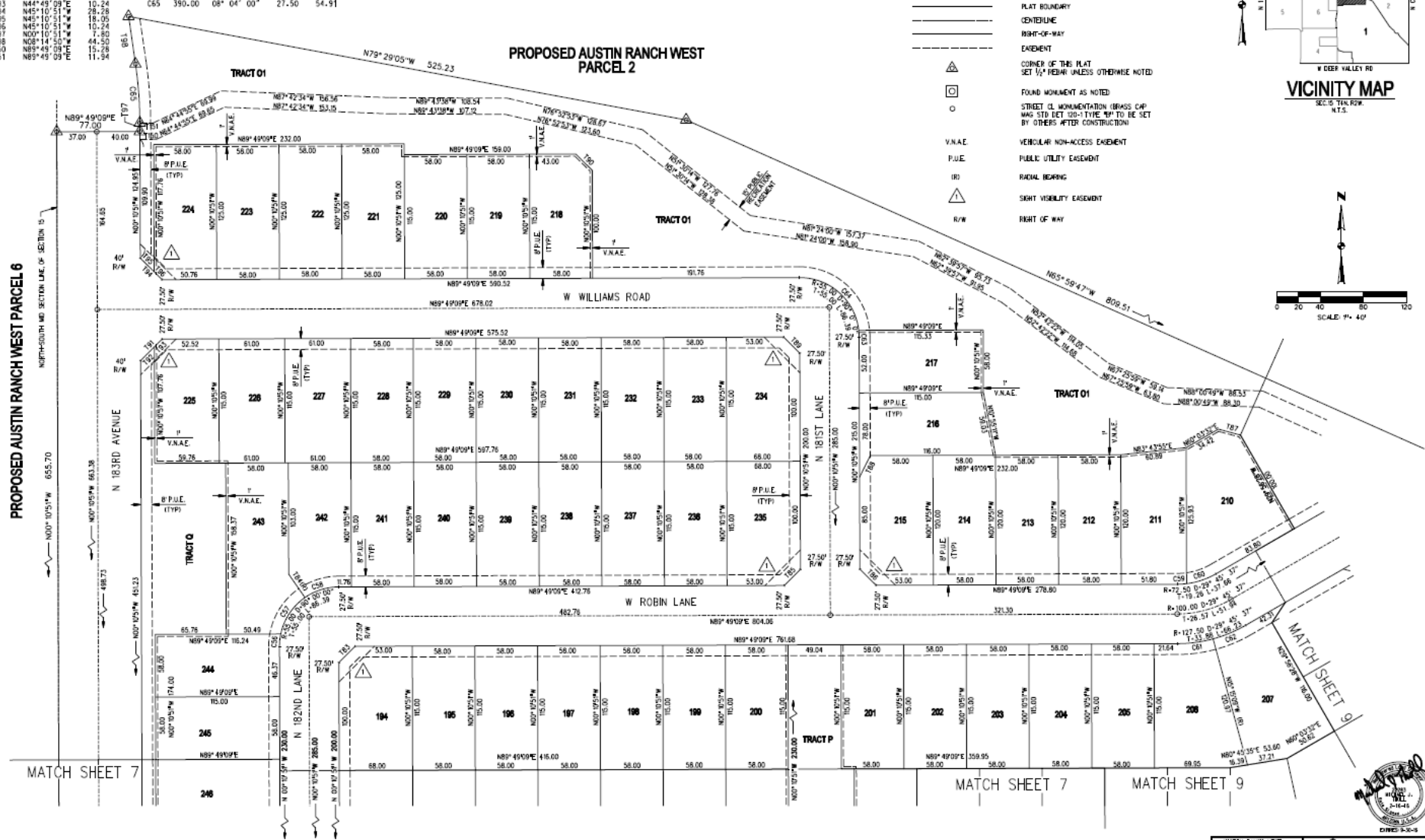


LINE TABLE			CURVE TABLE				
T NO.	DIRECTION	DISTANCE	C NO.	RADIUS	DELTA	TANGENT	LENGTH
T83	N44°49'39"W	21.21					
T84	N34°47'39"E	26.41	C56	59.00	12° 12' 18"	5.88	11.72
T85	N44°49'39"E	21.21	C57	59.00	43° 10' 54"	3.77	11.72
T86	N45°10'51"W	21.21	C58	59.00	34° 36' 47"	17.14	33.23
T87	N45°10'51"W	21.21	C59	72.50	06° 05' 40"	4.39	8.77
T88	N45°10'51"W	21.21	C60	72.50	22° 59' 36"	14.64	33.23
T89	N45°10'51"W	21.21	C61	121.50	1° 01' 06"	16.81	33.42
T90	N45°10'51"W	21.21	C62	121.50	14° 34' 30"	16.49	33.40
T91	N44°49'39"E	21.21	C63	59.00	08° 47' 13"	5.21	8.81
T92	N44°49'39"E	21.21	C64	59.00	83° 48' 13"	49.79	80.38
T93	N44°49'39"E	18.05	C65	390.00	08° 04' 00"	27.50	54.91
T94	N44°49'39"E	10.24					
T95	N44°49'39"E	18.05					
T96	N45°10'51"W	18.05					
T97	N45°10'51"W	10.24					
T98	N45°10'51"W	7.40					
T99	N45°10'51"W	44.50					
T100	N45°10'51"W	18.05					
T101	N45°10'51"W	11.94					

A diagram showing a survey station on the left, represented by a tripod with a circle on top. A line of sight, indicated by a dashed line, extends from the station to a point labeled 'T83' on the right. The point 'T83' is located at the intersection of the horizontal line of the T83-T84 line segment and the vertical line of the T83-T84 line segment. The station is positioned to the left of the T83-T84 line segment, and the line of sight is horizontal.

	CORNER OF THIS PLAT SET 1/2" MEDIAN UNLESS OTHERWISE NOTED
	FOUND MONUMENT AS NOTED
	STREET CL MONUMENTATION (BRASS CAP: WAS STD IET 200-TYPE "M" TO BE SET BY OTHERS AFTER CONSTRUCTION)
V.N.A.E	VEHICULAR NON-ACCESS EASEMENT
P.U.E	PUBLIC UTILITY EASEMENT
(R)	RADIAL BOUNDARY
	SIGHT VISIBILITY EASEMENT
R/W	RIGHT OF WAY

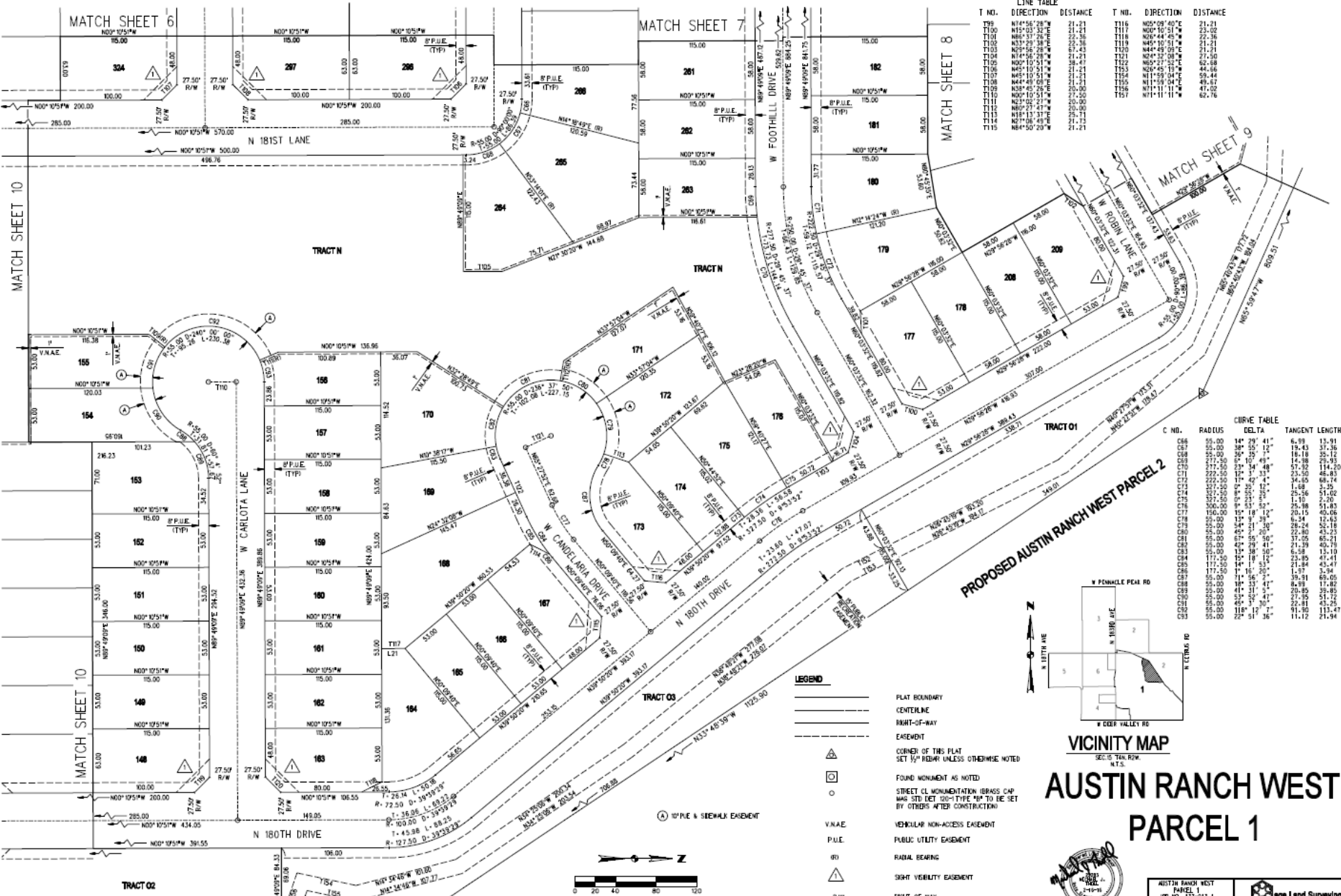
PROPOSED AUSTIN RANCH WEST PARCEL 6



FINAL PLAT



SURPRISE
ARIZONA



T NO.	LINE TABLE	DIRECTION	DISTANCE	T NO.	DIRECTION	DISTANCE
T009	N47°56'28"W		21.21	T116	N00°08'40"E	21.21
T100	N15°05'35"E		31.51	T117	N00°10'51"W	23.02
T101	N86°31'26"W		22.36	T118	N00°44'45"W	22.36
T102	N33°05'38"E		22.36	T119	N00°10'51"W	21.21
T103	N00°08'40"E		21.21	T120	N00°44'45"W	21.21
T104	N15°05'35"E		31.51	T121	N00°10'51"W	23.02
T105	N86°31'26"W		22.36	T122	N00°44'45"W	22.36
T106	N33°05'38"E		22.36	T123	N00°10'51"W	21.21
T107	N00°08'40"E		21.21	T124	N00°44'45"W	21.21
T108	N15°05'35"E		31.51	T125	N00°10'51"W	23.02
T109	N86°31'26"W		22.36	T126	N00°44'45"W	22.36
T110	N33°05'38"E		22.36	T127	N00°10'51"W	21.21
T111	N00°08'40"E		21.21	T128	N00°44'45"W	21.21
T112	N15°05'35"E		31.51	T129	N00°10'51"W	23.02
T113	N86°31'26"W		22.36	T130	N00°44'45"W	22.36
T114	N33°05'38"E		22.36	T131	N00°10'51"W	21.21
T115	N00°08'40"E		21.21	T132	N00°44'45"W	21.21

C NO.	RADIUS	CURVE TABLE	DELTA	TANGENT LENGTH
C06	55.00	14° 29' 41"	6.19	13.91
C07	55.00	38° 58' 14"	12.43	31.36
C08	55.00	26° 39' 14"	18.18	25.12
C09	55.00	1° 10' 48"	14.98	25.93
C10	55.00	3° 34' 48"	57.02	114.20
C11	222.50	1° 17' 33"	23.50	46.83
C12	222.50	1° 17' 33"	34.65	68.74
C13	222.50	0° 25' 12"	1.68	3.35
C14	55.00	8° 21' 52"	25.94	51.62
C15	55.00	9° 21' 52"	1.10	2.20
C16	55.00	1° 18' 12"	20.15	40.06
C17	55.00	1° 18' 12"	6.34	12.63
C18	55.00	1° 18' 12"	28.24	56.18
C19	55.00	4° 29' 41"	22.80	43.23
C20	55.00	4° 29' 41"	37.05	65.21
C21	55.00	4° 29' 41"	21.39	40.79
C22	55.00	4° 29' 41"	13.10	26.41
C23	55.00	1° 18' 12"	23.85	45.41
C24	55.00	1° 18' 12"	21.84	43.47
C25	55.00	1° 18' 12"	1.37	2.74
C26	55.00	1° 18' 12"	39.91	69.05
C27	55.00	1° 18' 12"	8.49	17.82
C28	55.00	4° 29' 41"	20.85	39.85
C29	55.00	4° 29' 41"	32.95	51.72
C30	55.00	4° 29' 41"	22.81	43.26
C31	55.00	4° 29' 41"	91.90	113.47
C32	55.00	2° 31' 36"	11.12	21.94



AUSTIN RANCH WEST
PARCEL 1

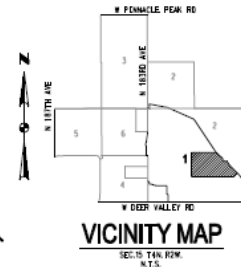
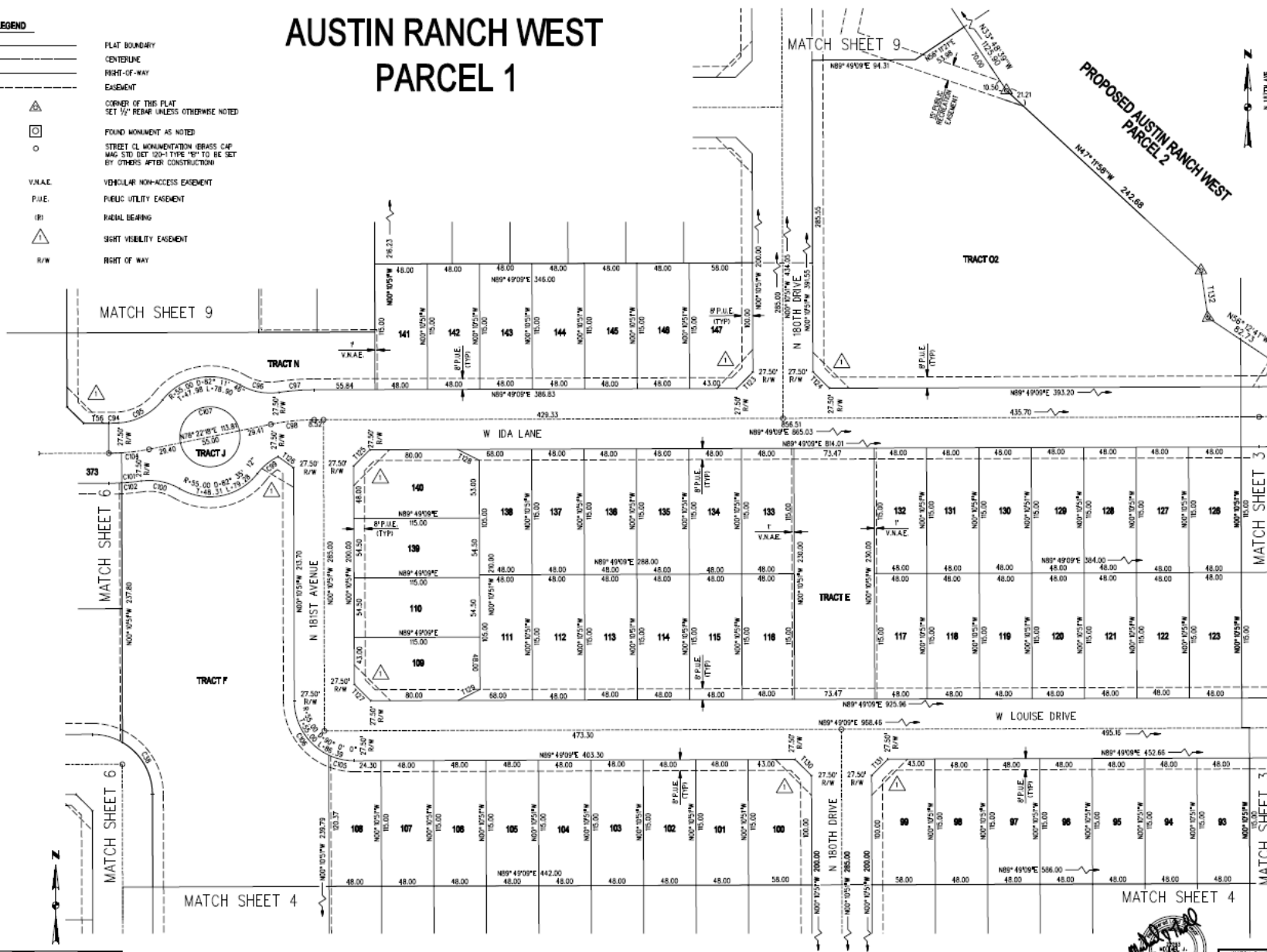


FINAL PLAT

LEGEND

- PLAT BOUNDARY
- CENTERLINE
- RIGHT-OF-WAY
- EXISTENT
- CORNER OF THIS PLAT
SET 1/2" REBAR UNLESS OTHERWISE NOTED
- FOUND MONUMENT AS NOTED
- STREET CL MONUMENTATION (EARS CAP
WAG STD DET 100-1 TYPE "M" TO BE SET
BY OTHERS AFTER CONSTRUCTION)
- V.N.A.E. VEHICULAR NON-ACCESS EASEMENT
- P.U.E. PUBLIC UTILITY EASEMENT
- (R) RADIAL BEARING
- (V) SIGHT VISIBILITY EASEMENT
- R/W RIGHT OF WAY

AUSTIN RANCH WEST PARCEL 1



LINE TABLE

T NO.	DIRECTION	DISTANCE
T123	N44°49'09"E	21.21
T124	N45°10'51"W	21.51
T125	N44°49'09"E	21.51
T126	N45°10'51"W	21.51
T127	N45°10'51"W	21.51
T128	N45°10'51"W	21.51
T129	N45°10'51"W	21.51
T130	N45°10'51"W	21.51
T131	N44°49'09"E	21.51
T132	N45°10'51"W	21.51

CURVE TABLE

C NO.	RADIUS	DELTA	TANGENT LENGTH
C94	172.50	3° 0' 23"	4.53
C95	55.00	48° 51' 15"	24.98
C96	55.00	38° 27' 26"	19.18
C97	227.50	8° 1' 19"	16.15
C98	200.00	11° 26' 51"	20.05
C99	55.00	25° 37' 07"	12.51
C100	55.00	31° 58' 31"	18.52
C101	227.50	7° 32' 42"	15.00
C102	227.50	4° 33' 15"	9.05
C103	227.50	2° 59' 27"	5.94
C104	200.00	10° 37' 59"	18.61
C105	55.00	25° 31' 24"	12.46
C106	55.00	64° 28' 36"	34.69
C107	27.50	360° 00' 00"	172.79



LANDSCAPE PLANS

IRRIGATION NOTES

1. ALL IRRIGATION TO UTILIZE AN AUTOMATIC CLOCK AS SPECIFIED. LOCATE POWER SOURCE IN THE FIELD.
2. USE COMMON TRENCHES WHERE POSSIBLE.
3. USE PEN-TIES AND SEALERS FOR ALL LOW VOLTAGE WIRING WITH ELECTRICAL VALVES.
4. ALL MAINLINES TO BE BURIED A MINIMUM OF 18" BELOW FINISH GRADE. ALL LATERALS TO BE BURIED A MINIMUM OF 12" BELOW FINISH GRADE.
5. INSTALL ELECTRIC VALVES IN PLASTIC VALVE BOXES FLUSH WITH GRADE. VALVE BOX LOCATION TO BE APPROVED BY LANDSCAPE ARCHITECT.
6. VACUUM BREAKER TO BE ASSEMBLED WITH ALL HARD COPPER PIPE AND FITTINGS. A UNION SHALL BE INSTALLED ON BOTH INLET AND OUTLET SIDES OF PIPE ABOVE GRADE.
7. MAINTAIN IRRIGATION AS-BUILTS AND TURN OVER TO OWNER PRIOR TO INSTALLATION ACCEPTANCE. AS-BUILT PLANS TO BE AVAILABLE FOR REVIEW AT THE TIME OF FINAL WALK THRU.
8. ALL IRRIGATION EQUIPMENT TO BE LOCATED IN LANDSCAPE AREAS. ALL LINES AND EQUIPMENT LOCATIONS ARE SCHEMATIC.
9. IRRIGATION AND ELECTRICAL SLEEVES TO BE 36" 40 PVC. ALL SLEEVES TO EXTEND AT LEAST 1" BEYOND CONCRETE STRUCTURES. ALLOW 4"-6" FROM END OF SLEEVES TO FIRST FITTING ON IRRIGATION LINE. ALL SLEEVES TO BE 24" BELOW GRADE AND/OR AS PER OWNER'S SPECIFICATIONS.
10. LANDSCAPE CONTRACTOR RESPONSIBLE FOR ALL REQUIRED IRRIGATION SLEEVING. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR. VERIFY ANY EXISTING SLEEVES INSTALLED BY OTHER CONTRACTORS.
11. LOCATE EMITTERS ON UPHILL SIDE OF PLANTS ON SLOPED PLANTING AREA OR PER APPROVAL BY ARCHITECT OR OWNER'S REPRESENTATIVE.
12. ALL PEEL GRAVEL IN VALVE BOXES TO BE CLEANED FROM TOP OF VALVE SO THAT VALVE IS COMPLETELY VISIBLE. LIP OF VALVE BOX SHALL ALSO BE FREE OF DEBRIS.
13. ALL MATERIAL USED SHALL BE INSTALLED AS PER PLAN AND AS PER MANUFACTURERS SPECIFICATIONS. ANY DEVIATIONS FROM DRAWINGS OR MATERIAL USED SHALL BE APPROVED BY OWNER'S REPRESENTATIVE AND/OR ARCHITECT.
14. LOCATE PRESSURE REGULATOR AND Y STRAINER IN A VALVE BOX AS REQUIRED. REMOTE CONTROL VALVE TO BE LOCATED IN A SEPARATE ADJACENT VALVE BOX OR A JUMBO VALVE BOX MAY BE USED IN LIEU OF TWO SEPARATE BOXES. ALL BOXES TO BE LOCATED IN PLANTING AREAS AND INSTALLED FLUSH WITH GRADE.
15. ALL DRIP SYSTEMS TO BE FLUSHED THROUGH FLUSH CAPS. FLUSH CAPS TO BE LOCATED IN 10' ROUND ECONOMY BOXES. (SEE NOTE 11.1)
16. ALL PLANTS REQUIRING MORE THAN ONE Drip EMITTER SHALL HAVE EMITTERS DISTRIBUTED EVENLY AROUND THE EDGE OF THE ROOTBALL.
17. PRIOR TO OWNER'S APPROVAL AN IRRIGATION "TUNE-UP" MUST BE PERFORMED AS FOLLOWS:
18. ALL IRRIGATION EQUIPMENT (INCLUDING ALL PIPELINES AND SLEEVES) TO BE DOCUMENTED FROM TWO STATIONARY POINTS.
19. ALL DRIP SYSTEMS TO BE FLUSHED BEGINNING WITH THE Y STRAINER AND WORKING AWAY FROM PRESSURE REGULATOR.
20. IRRIGATION VALVES TO BE LABELED ON A SHEET OF PAPER WITH STATIONS CORRESPONDING TO MARKED LABELS ON TOP OF VALVE BOXES. THIS SHEET TO BE PLACED IN A PLASTIC POUCH AND ATTACHED TO THE INSIDE OF THE CONTROLLER.
21. ALL IRRIGATION SPRAY HEADS ARE TO BE FLUSHED OF DEBRIS AND FLOW CONTROLS ADJUSTED IN ORDER TO ACHIEVE 100% COVERAGE. AVOID SPRAYING TO ALL STREETS, CURBS, SIDEWALKS OR ANY OTHER HARDSCAPE AREA OR STRUCTURE.
22. ALL IRRIGATION HEADS TO BE ADJUSTED TO PROPER HEIGHT.
23. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING MATERIALS AND LABOR TO PROVIDE SPECIFIED ELECTRICAL SERVICE TO ALL CONTROLLER LOCATIONS. ALL ELECTRICAL WORK TO BE PER MANUFACTURER'S SPECIFICATIONS AND PER LOCAL CODE.
24. IRRIGATION PLAN IS SCHEMATIC. ACTUAL BACKFLOW PREVENTOR LOCATION TO BE DETERMINED FROM MATERIAL. REFER TO FINISH REGULATION REQUIREMENTS.
25. CONTROLLER WIRE SHALL BE A DIFFERENT COLOR FOR TREE LINES AND DRIP LINES. AT LEAST ONE EXTRA CONTROL WIRE TO BE RUN TO THE FARTHEST VALVE LOCATION OF THE SYSTEM.
26. ALL IRRIGATION LINES ARE SCHEMATIC. THE CONTRACTOR IS RESPONSIBLE FOR RUNNING IRRIGATION LINES TO ALL TREES, SHRUBS, AND GROUND COVER ON THE PROJECT. ALL IRRIGATION EQUIPMENT SHALL BE LOCATED IN LANDSCAPE AREAS AND WITHIN THE LIMITS OF WORK.
27. IRRIGATION LINES SHALL RUN PARALLEL TO THE HIGH SIDE OF SLOPES WHEREVER POSSIBLE.
28. TREES ARE TO BE VALVED SEPARATELY FROM SHRUBS AND GROUND COVER.
29. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING AND INSTALLING ALL SLEEVING NECESSARY TO RUN IRRIGATION LINES AND CONTROL WIRE UNDER ANY REQUIRED HARDSCAPE AREAS, WALLS, ETC.
30. CONTRACTOR SHALL ADJUST ALL SPRAY HEADS AS NECESSARY TO AVOID OVER SPRAY ONTO ALL WALKS, CURBS, AND ANY OTHER HARDSCAPE AREAS AND TO ACHIEVE 100% COVERAGE.
31. CONTRACTOR TO PROVIDE EMITTERS TO ALL TREES IN TURF AREAS. EMITTERS TO TREES IN TURF AREAS SHALL BE BURIED IN PLASTIC BOXES. TOP OF BOXES TO BE FLUSH WITH GRADE.
32. EXISTING CITY OF SURPRISE IRRIGATION SHALL BE MODIFIED RIGHT OF WAY AND CONNECTED TO THE NEW SYSTEM. MAINTAIN ANY THOUGH REGULATION REQUIREMENTS. CONTRACTOR TO CAP OFF OR ABANDON EXISTING IRRIGATION TO PLANT MATERIAL AND PROVIDE NEW IRRIGATION FOR PROJECT TO EXISTING RIGHT OF WAY LANDSCAPING.

CITY OF SURPRISE GENERAL NOTES

1. CONTRACTOR TO OBTAIN PERMITS FROM LOCAL AGENCIES AND UTILITY COMPANIES HAVING JURISDICTION OVER THE PROJECT.
2. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL THE WORK INDICATED ON THE LANDSCAPE DOCUMENTS. HE SHALL BE RESPONSIBLE FOR CAREFUL SITE INSPECTION, DETAILED REVIEW OF PLANS AND COORDINATION WITH OTHER CONTRACTORS ON-SITE PRIOR TO ANY INSTALLATION. ANY DISCREPANCIES SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER'S AGENT.
3. ALL QUANTITIES PROVIDED ARE FOR BIDDING PURPOSES ONLY. LANDSCAPE CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISH GRADING IN LANDSCAPE AREAS. HE SHALL DETERMINE WITH THE GENERAL CONTRACTOR THE EXTENT OF ROUGH GRADING AND/OR FINE GRADING TO BE ESTABLISHED BY OTHERS.
5. ALL GRADING AND DRAINAGE SHALL BE IN ACCORDANCE WITH THE PLANS PREPARED BY THE PROJECT CIVIL ENGINEER OR AS DIRECTED BY THE OWNER'S AGENT. PROVIDE POSITIVE DRAINAGE AWAY FROM ANY BUILDINGS IN ALL CONDITIONS. CONTRACTOR TO MEET ALL EXISTING GRADES AT PROJECT BOUNDARIES. FINISH GRADE OF LANDSCAPE AREAS SHALL BE 8" BELOW THE TOP OF ADJACENT WALKS AND CURBS PRIOR TO RECEIVING DECOMPOSED GRANITE OF GRASS SEED/SOD.
6. ALL SIGNS AND SIGNAGE REQUIRE A CITY OF SURPRISE SEPARATE PERMIT.
7. ALL TREES AND SHRUBS LOCATED IN THE LINE-OF-SIGHT MUST BE MAINTAINED FOR A CLEAR AREAS BETWEEN 2 TO 1'.

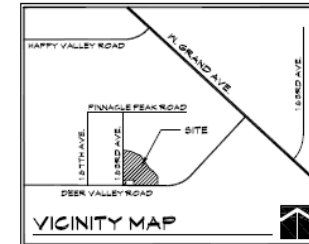
PLANT LEGEND

	SIZE	QTY.	REMARKS
 AGACIA ANEURA / MULGA	24" BOX	55	STANDARD
 AGACIA SALICINA / NILLOW ACACIA	24" BOX	125	STANDARD
 CHILOPSIS SP. 'RIO SALADO' / RIO SALADO DESERT NILLOW	24" BOX	810	STANDARD
 OLNEYA TESOTA / IRONWOOD	24" BOX	87	MULTI-TRUNK
 PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE	24" BOX	60	STANDARD
 PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE	24" BOX	49	MULTI-TRUNK
 PROSOPIA HYBRID 'AZT' / 'AZT' THORNLESS MESQUITE	24" BOX	80	MULTI-TRUNK
 CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER	5 GAL.	884	CAN FULL
 ENGELIA PARINOA / BRITTLEBUSH	5 GAL.	490	CAN FULL
 HYPTIS EMORYI / DESERT LAVENDER	5 GAL.	399	CAN FULL
 JUSTICIA CALIFORNICA / CHUPAROSA	5 GAL.	219	CAN FULL
 LARREA TRIDENTATA / CREOSOTE BUSH	5 GAL.	601	CAN FULL
 LEUCOPHYLLUM LAEVISATUM / CHIHUAHUA BAGE	5 GAL.	517	CAN FULL
 SIMMONDSIA CHINENSIS / JOJOBA	5 GAL.	282	CAN FULL
 SPHAERALCEA AMBIGUA / GLOBE MALLOW	5 GAL.	470	CAN FULL
 AGAVE AMERICANA / AMERICAN AGAVE	5 GAL.	129	CAN FULL
 AGAVE PARRII / PARRY'S AGAVE	5 GAL.	844	CAN FULL
 ABOLEPIUM SUBULATA / DESERT MILKWEED	5 GAL.	188	CAN FULL
 BOUTELOUA GRACILIS / BLONDE AMBITION GRASS	5 GAL.	491	CAN FULL
 DASYLIRION WHEELERII / DESERT SPOON	5 GAL.	207	CAN FULL
 FOUGERIA SPLENDENS / OCOTILLO	24" BOX	91	GRADE 5
 HESPERALOE PARVIFLORA PERFA /	5 GAL.	417	CAN FULL
 BRAKELIGHTS RED YUCCA	5 GAL.	487	CAN FULL
 MUHLBERGIA RIGIDA / DEER GRASS	5 GAL.	95	2 PADS MIN.
OPUNTIA ENGELMANNI / NATIVE PRICKLY PEAR	5 GAL.	95	2 PADS MIN.
AMEROSIA DELTOIDEA / TRANSLEAF BUR-SAGE	5 GAL.	228	CAN FULL
BALEYA MULTICAUDA / DESERT MARIGOLD	5 GAL.	715	CAN FULL
ERENOPHILA BLANDIA HYB. / OUTBACK BUNBIE	5 GAL.	269	CAN FULL
FENSTEMON PARRYI / PARRY'S FENSTEMON	5 GAL.	972	CAN FULL
TURF - MID-RUN BERMUDA SOD.	SQ. FT.	117,808	
DECOMPOSED GRANITE - TO BE DETERMINED BY OWNER.	SQ. FT.	741,112	
RIF-RAP - SEE CIVIL PLANS.	LN.FT	1614	
8" CONCRETE HEADER - NATURAL COLOR	LN.FT	1614	

SHEET INDEX

SHEET	SHEET DESCRIPTION
L.O.1	COVER SHEET
L.1.1 - L.1.16	LANDSCAPE PLANS
L.2.1 - L.2.16	IRRIGATION PLANS
L.3.1	WALL PLAN
L.4.1 - L.4.2	AMENITIES SCHEDULE
L.5.1 - L.5.4	DETAILS

- SPECIAL NOTES**
1. INSTALL TREE ROOT BARRIERS WHEN TREES ARE LOCATED WITHIN 1' OF SIDEWALKS, CURBS.
 2. CONTRACTOR TO INSTALL ALL MATERIALS AS SPECIFIED IN THE PLAN SET OR AN APPROVED EQUIVALENT BY THE OWNER/LANDSCAPE ARCHITECT.
 3. STREET TREES WILL BE LOCATED IN THE LANDSCAPE AREA BETWEEN THE SIDEWALKS AND CURBS. LOCAL STREETS WILL HAVE A MINIMUM OF ONE 24-INCH BOX TREE AND FOUR FIVE-GALLON SHRUBS AND/OR GROUND COVER PLANTS PER HOME. FRONTAGE FOR LOTS UP TO 80 FEET WIDE HOMES WITH FRONTAGES GREATER THAN 80 FEET WIDE WILL HAVE AN ADDITIONAL TREE AND TWO SHRUBS AND/OR GROUND COVER PLANTS. CORNER LOTS WITH SIDEWAYS THAT DO NOT HAVE LANDSCAPE TRACTS WILL HAVE A MINIMUM OF (2) 24-INCH BOX TREES AND (5) FIVE GALLON SHRUBS.
 4. TREES SPECIES PERMITTED WITHIN THE R.O.W.:
 - AGACIA SALICINA (NILLOW ACACIA)
 - AGACIA STENOPHYLLA (BHOESTRA ACACIA)
 - AGACIA ALLARDIANA (PALO BLANCO)
 - CALLISTEMON RIGIDUS (BOTTLEBRUSH)
 - GUERKUS VIRGINIANA (SOUTHERN LIVE OAK)
 - SPOKORA SECURIPLORA (TEXAS MTN. LAUREL)
 - CHILOPSIS LINEARIS (DESERT NILLOW)
 - OLEA EUROPAEA (OLIVE)
 - FRAXINUS GREGGII (LITTLE LEAF ASH)
 5. TREES WITH THICKS ARE TO BE LOCATED A MINIMUM OF 10' FROM PEDESTRIAN ROUTES.



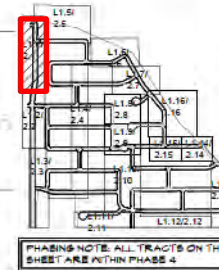
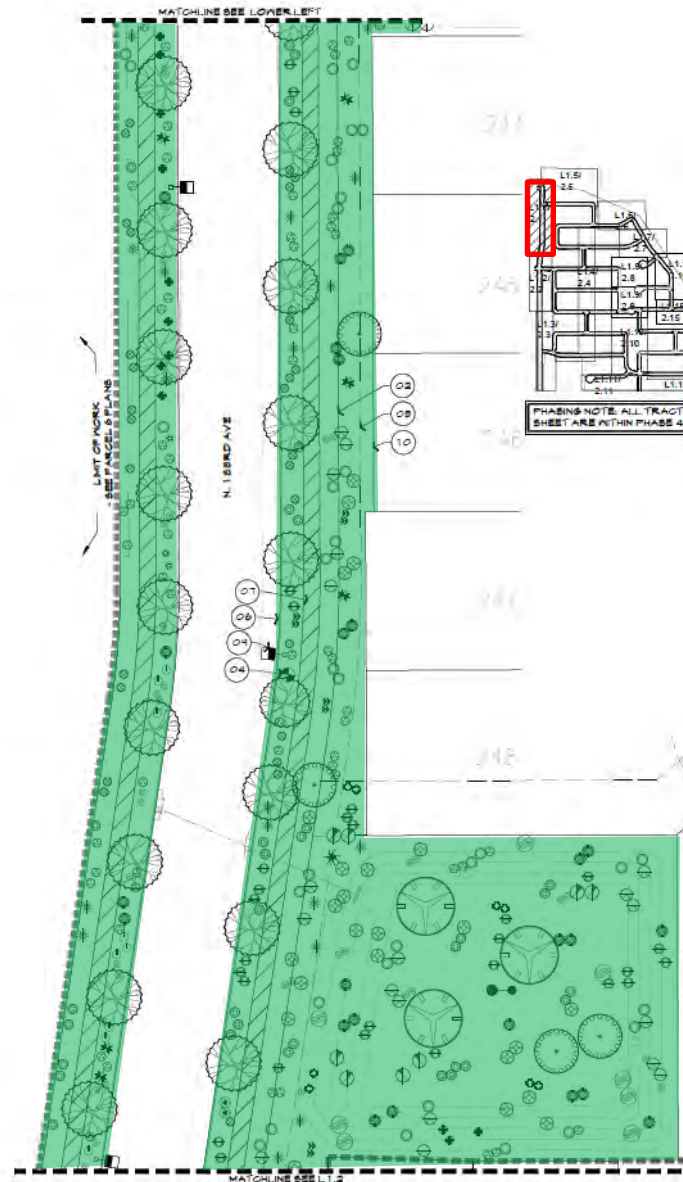
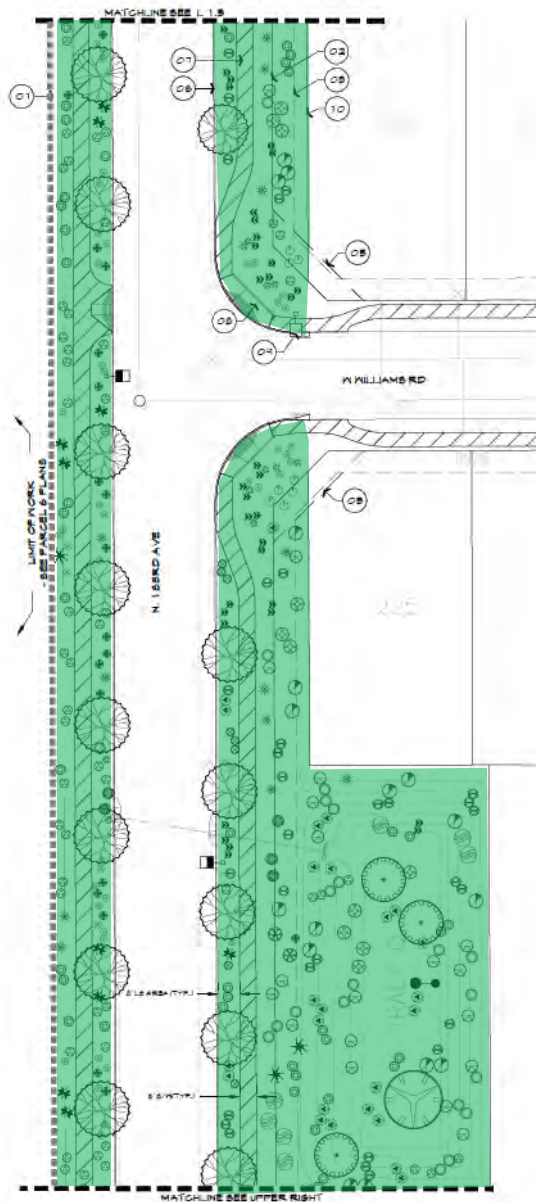
LANDSCAPE NOTES

1. PROVIDE LANDSCAPE ARCHITECT A SAMPLE OF DECOMPOSED GRANITE FOR APPROVAL PRIOR TO DELIVERY TO THE SITE.
2. PREPARED BACKFILL FOR PLANTING PITS SHALL BE 4 PARTS NATIVE SOIL TO 1 PART NITROGEN STABILIZED MULCH. MIX MULCH AND SOIL BACKFILL THOROUGHLY TO CREATE BACKFILL PRIOR TO PLACING IN PIT.
3. TOPSOIL TO CONFORM TO THE REQUIREMENTS OF VAS SPECIFICATION, SECTION 1115. PROVIDE A WRITTEN DESCRIPTION OF CERTIFICATION OF ORIGINAL ORIGIN OF TOPSOIL TO LANDSCAPE ARCHITECT PRIOR TO DELIVERY TO THE SITE.
4. PLANT TABLETS TO BE ASGRIFORM 21 GRAM 20-10-8 FERTILIZER TABLETS.
5. CHECK CONTRACTOR'S RESPONSIBILITY TO FIELD ESTIMATED DECOMPOSED GRANITE QUANTITIES. INDICATE THE UNIT PRICE ONLY AT THE TIME OF BIDDING.
6. ALL PLANTS MUST BE INSPECTED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PLANTING.
7. PLANT QUANTITIES ON THE PLANT LIST ARE PROVIDED AS A CONVENIENCE TO THE CONTRACTOR. PLANTS TAKE PRECEDENCE.
8. LANDSCAPE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES FOR PROTECTION PRIOR TO CONSTRUCTION. CONTACT BLUE STAKE AT 602-265-1100 OR 1-800-782-9348.
9. PRIOR TO BIDDING, THE LANDSCAPE SUPERINTENDENT AND WALK THE SITE TO DETERMINE THE FULL EXTENT OF DEMOLITION WORK REQUIRED.
10. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE WORK FOR A PERIOD OF ONE YEAR.
11. CLARIFICATION OF DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND THE SITE SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
12. BEFORE ANY WORK BEGINS ON THE PROJECT, THE LANDSCAPE CONTRACTOR SHALL REVIEW THE PROJECT WITH THE ARCHITECT AND/OR OWNER'S REPRESENTATIVE.
13. THE LANDSCAPE ARCHITECT, OWNER'S REPRESENTATIVE, AND THE CITY OF SURPRISE IS TO APPROVE ANY AND ALL SUBSTITUTIONS.
14. THE LANDSCAPE ARCHITECT AND/OR OWNER'S REPRESENTATIVE RESERVE THE RIGHT TO REFUSE ANY PLANT MATERIAL DEEMED UNACCEPTABLE. ALL PLANT MATERIAL SHALL BE INSPECTED PRIOR TO INSTALLATION.
15. UNLESS OTHERWISE NOTED ON PLANS, DECOMPOSED GRANITE SHALL EXTEND UNDER SHRUBS AND RAKED UNIFORMLY ALONG WALKS, SIDEWALKS, AND CURBS.
16. SEE ENGINEERING OR ARCHITECTURAL DRAWINGS FOR DRAINAGE FLOWS. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE THAT THESE ARE PROVIDED AND ARE NOT IMPAIRED WITH OBSTRUCTIONS.
17. DOUBLE STAKE ALL TREES OUTSIDE ROOTBALL.
18. LANDSCAPE CONTRACTOR TO PROVIDE BARRICADES ALONG PUBLIC STREETS IF REQUIRED DURING INSTALLATION.
19. LANDSCAPE CONTRACTOR SHALL INSPECT WITH OWNER'S REPRESENTATIVE ALL SIDEWALK AND CURB DEFECTS PRIOR TO BEGINNING WORK. ALL HARDSCAPE TO BE REINSPECTED DURING FINAL WALK THRU. ANY DAMAGED AREAS TO BE REPAIRED AT CONTRACTOR'S EXPENSES.
20. PLANTS TO BE RELATED AWAY FROM OBSTACLES SUCH AS FIRE HYDRANTS, TRANSFORMERS, POWER POLES, AND LIGHT FIXTURES AS NECESSARY.
21. LANDSCAPE CONTRACTOR TO CONTACT ARCHITECT AND/OR OWNER'S REPRESENTATIVE BEFORE EACH APPLICATION OFFER SUBMISSION FOR VARIATION, AND BEFORE ANY APPLICATIONS REQUIRED.
22. LANDSCAPE PLANS MUST CONFORM TO CIVIL DRAWINGS.

LANDSCAPE PLANS



SURPRISE
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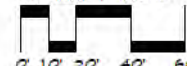
PLANT LEGEND

	ACACIA ANEURA / MULGA
	ACACIA SALICINA / MILDOW ACACIA
	CHLOPSIS SP. RIO SALADO / RIO SALADO DESERT WILLOW
	OLNEYA TESOTA / IRONWOOD
	PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE
	PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE
	PROSOPIS HYBRID AZT / AZT THORNLESS MESQUITE
	GALLIANDRA BRIDOPHYLLA / NATIVE FAIRY DUSTER
	ENCLOSIA FARIOSA / BRITISH BUSH
	HYPTIS SMORYI / DESERT LAVENDER
	JUSTICIA CALIFORNICA / CHUPAROSA
	LARREA TRIDENTATA / CREOSOTE BUSH
	LEUCOPHYLLUM LAEVISATUM / CHIHUAHUA BASS
	SYMPLOCARPA CHINENSIS / JOJOBA
	SPHAERALCEA AMBIGUA / GLOBE MALLOW
	AGAVE AMERICANA / AMERICAN AGAVE
	AGAVE PARREI / PARRY'S AGAVE
	ASCLEPIUS SUBULATA / DESERT MILKWEED
	BOUTELOUA GRACILIS / BLONDE AMBITION GRASS
	DASYLIRION WHIELERI / DESERT SPOON
	FOUGERIA SPLENDENS / COCTILLO
	HESTERALOE PARVIFLORA PERVA /
	BRACKLEIGHTS RED YUCCA
	MULLENBERGIA RIGENS / DEER GRASS
	OPUNTIA ENGELMANNI / NATIVE PRICKLY PEAR
	AMEROSIA DELTOIDEA / TRIANGLE LEAF BUR-SAGE
	BAE BYA MULTIRADATA / DESERT MARIGOLD
	EREMOPHILA BLASKA HYB / OUTBACK BURNISS
	PENTSTEMON PARRYI / PARRY'S PENTSTEMON
	TURF - MID-IRON BERMUDA 800.
	DECOMPOSED GRANITE - TO BE DETERMINED BY OWNER
	REP-RAP - SEE CIVIL PLANS.
	6" CONCRETE HEADER - NATURAL COLOR

CONSTRUCTION KEY NOTES

- PROPERTY/PARCEL LINE (TYP.)
- RIGHT OF WAY (TYP.)
- PUBLIC UTILITY EASEMENT (TYP.)
- FIRE HYDRANT (5' CLEAR ON ALL SIDES)
- 55' X 55' SIGHT VISIBILITY LINE
- CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 6" HIGH CMU THEME WALL - SEE WALL PLAN
- 6" HIGH CMU/IRON VIEW FENCE - SEE WALL PLAN
- DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER MAS STD DTL 280. SCORE AS SHOWN.
- 6" WIDE CONCRETE HEADER
- 6" BENCH ON A 5' X 5' CONCRETE PAD, 4" THICK - SEE AMENITIES SCHEDULE ON SHEETS L.4.1 AND L.4.2
- DOG WASTE BASS/DISPOSAL
- AMENITIES/PLAYGROUND AREA

SCALE: 1"=20'-0"



LANDSCAPE PLANS



SURPRISE
ARIZONA

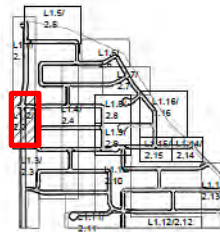
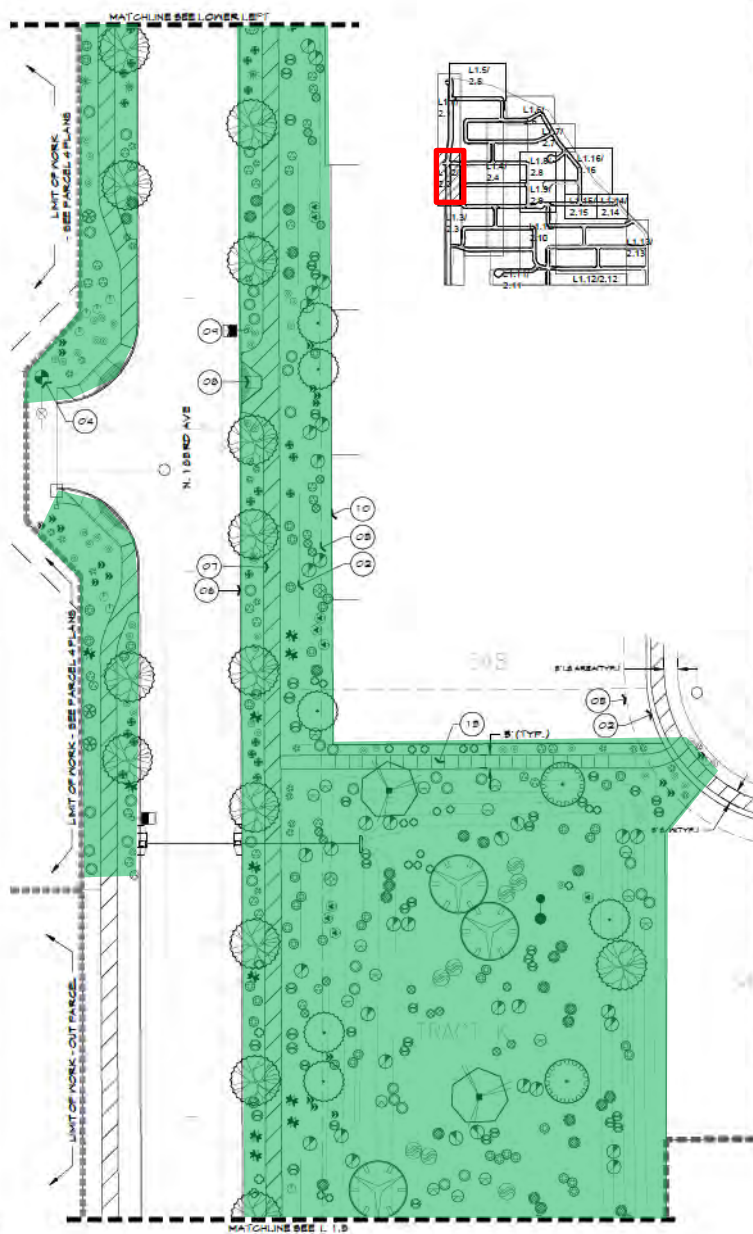
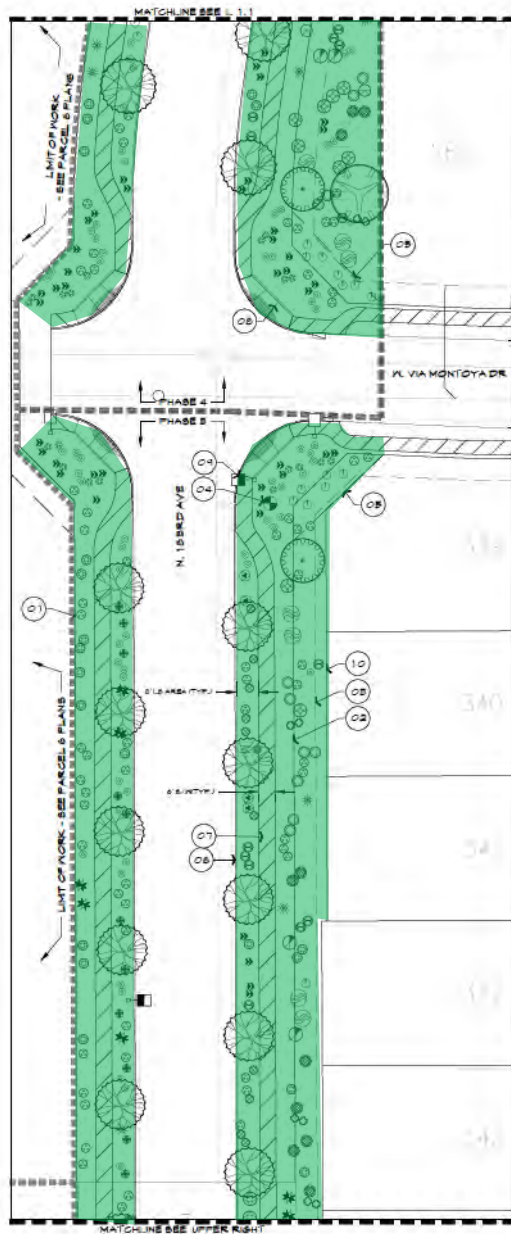
PLANT LEGEND

	ACACIA ANSERATA / MULGA
	ACACIA SALICINA / MILLON ACACIA
	CHILOPSIS SP. RIO SALADO / RIO SALADO DESERT KILL
	OLNEYA TESOTA / IRONWOOD
	PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE
	PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE
	PROSOPIS HYBRID AZT. / AZT THORNTLESS MESQUITE
	GALLIANDRA BRIDGEMANII / NATIVE FAIRY DUSTER
	ENCELIA PARVIFLORA / BUTTERFLY BUSH
	HYPTIS EMORYI / DESERT LAVENDER
	JUSTICIA CALIFORNICA / CHIPAROSA
	LARREA TRIDENTATA / CREOSOTE BUSH
	LEUCOPHYLLUM LAEVISATUM / CHIHUAHUA BASS
	SHIMONDISIA CHINENSIS / JOJOBA
	SPHAERALCEA AMBIGUA / GLOBE MALLOW
	AGAVE AMERICANA / AMERICAN AGAVE
	AGAVE PARVIFLORA / PARVIFLORA AGAVE
	ASCLEPIUS SUBULATA / DESERT MILKWEED
	BOUTELOUA SP. / BOUTELOUA SP.
	POGONIA SP. / POGONIA SP.
	FOUGERIA SP. / FOUGERIA SP.
	HESTERALCEA SP. / HESTERALCEA SP.
	BRICKELLIA SP. / BRICKELLIA SP.
	MULLENBERGIA SP. / MULLENBERGIA SP.
	OPUNTIA ENGELMANNII / NATIVE PRICKLY PEAR
	AMBROSIA DELTOIDES / TRIANGLE SAW PALM
	BAILEYA MULTIRADIATA / DESERT MARIGOLD
	EREMOPHILA SP. / EREMOPHILA SP.
	PENSTEMON SP. / PENSTEMON SP.
	TURF - MID-RUN BERMUDA SOG.
	DECOMPOSED GRANITE - TO BE DETERMINED BY OWNER
	SP. - SEE CIVIL PLANS.
	8" CONCRETE HEADER - NATURAL COLOR

CONSTRUCTION KEY NOTES

- 01 PROPERTY / PARCEL LINE (TYP.)
- 02 RIGHT OF WAY (TYP.)
- 03 PUBLIC UTILITY EASEMENT (TYP.)
- 04 FIRE HYDRANT (8" CLEAR ON ALL SIDES)
- 05 55' X 55' SIGHT VISIBILITY LINE
- 06 CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- 07 CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- 08 ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- 09 STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 10 6" HIGH CMU TRAFFIC WALL - SEE WALL PLAN
- 11 6" HIGH CMU / IRON VINE FENCE - SEE WALL PLAN
- 12 DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 13 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER MAS STD DTL 280. SCORE AS SHOWN.
- 14 6" WIDE CONCRETE HEADER
- 15 6" BENCH ON A 8" X 8" CONCRETE PAD, 4" THICK. - SEE AMENITIES SCHEDULE ON SHEETS L.1 AND L.2.
- 16 DOG WASTE BAGS / DISPOSAL
- 17 AMENITIES / PLAYGROUND AREA

SCALE: 1"=20'-0"

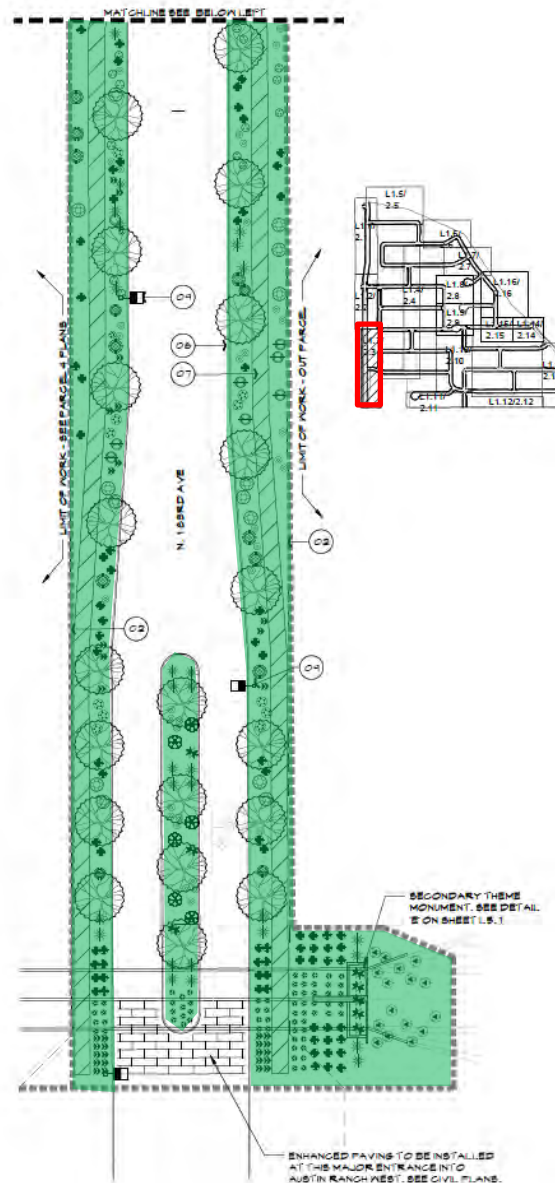
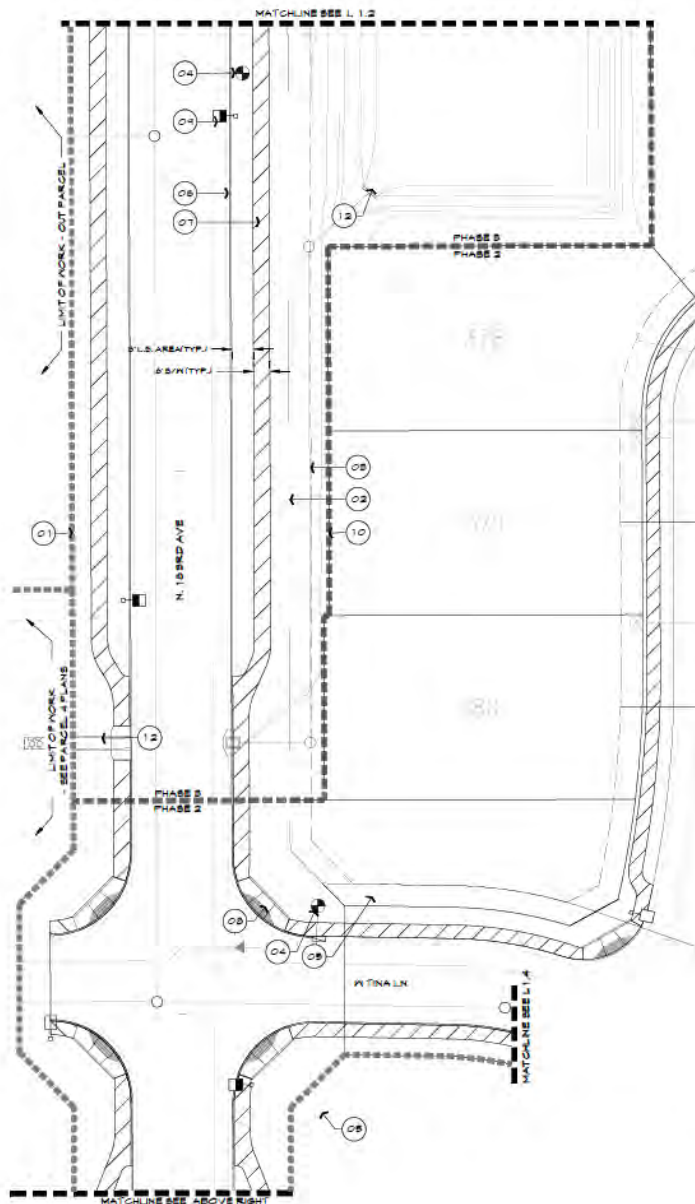
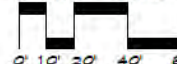


PLANT LEGEND

TREES		ACACIA ANEMURA / MULBA
		ACACIA ALAJINA / YELLOA ACACIA
		CHILOPSIS SP. / RIO SALADO / DESERT WILLOW
		OLIVETA TESOTA / IRONWOOD
		PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE
BURLS		PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE
		PROSOPIS HYBRID / AIT / AIT THORLESS MESQUITE
		CALLIANDRA BIPHYLLA / NATIVE FAIRY DUSTER
		ENCELIA FARINOSA / BRITTLEBUSH
		HYTTIA SMORYI / DESERT LAVENDER
AGENTS		JUSTICIA CALIFORNICA / CHUPAROSA
		LARREA TRIDENTATA / CREOSOTE BUSH
		LEUCOPHYLLUM LAS-VIAS-TUM / CHIHUAHUAN SAGE
		SIMMONDSIA CHINENSIS / JOJOBA
		SPHAERALCEA AMBIGUA / GLOBE MALLOW
GROUND COVERS		ASAVE AMERICANA / AMERICAN ASAVE
		ASAVE PARRYI / PARRY'S ASAVE
		ABOFIUM SUBULATA / DESERT MILKWEED
		BOUTELOUA GRACILIS / BLONDE AMBITION GRASS
		DASYLIRION WHEELERI / DESERT SPOON
GROUND COVERS		FOQUIERIA SPLENDENS / COCOTILLO
		FERNALDIA PAVLOVSKIA FERNALDII
		BRAKE LIGHT'S RED YUCCA
		MUHLENBERGIA SERICEA / DEER GRASS
		OPUNTIA ENGELMANNII / NATIVE PRICKLY PEAR
GROUND COVERS		AMBROSIA DELTOIDEA / TRIANGLE LEAF BUR-SAGE
		BAILEYA MULTIRADIATA / DESERT MARI GOLD
		SARCOPHYLLA GLABRA HYB. / OUTBACK SUNRISE
		PENSTEMON PARRYI / PARRY'S PENSTEMON
		TURF - MID-IRON BEREMUDA SOD.
GROUND COVERS		DECOMPOSED GRANITE - TO BE DETERMINED BY OWNER
		RIIP-RAP - SEE CIVIL PLANS.
		6" CONCRETE HEADER - NATURAL COLOR

- 01 PROPERTY/PARCEL LINE (TYP.)
- 02 RIGHT OF WAY (TYP.)
- 03 PUBLIC UTILITY EASEMENT (TYP.)
- 04 FIRE HYDRANT (8" CLEAR ON ALL SIDES)
- 05 55' X 55' SIGHT VISIBILITY LINE
- 06 CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- 07 CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- 08 ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- 09 STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 10 8" HIGH CHU THEME WALL - SEE WALL PLAN
- 11 6" HIGH CHU/IRON VIENTENCE - SEE WALL PLAN
- 12 DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 13 4" THICK CONCRETE PATHWAY W/ MEDIUM GROOM
FINISH PER M&B STD. DET. 250. SCORE AS SHOWN.
- 14 6" WIDE CONCRETE HEADER
- 15 BENCH ON A 8" X 8" CONCRETE PAD, 4" THICK.
- SEE AMENITIES SCHEDULE ON SHEETS L&1, 2 AND L&2
- 16 DOG WASTE BASS/ DISPOSAL
- 17 AMENITIES/PLAYGROUND AREA

SCALE: 1"=20'-0"



LANDSCAPE PLANS



SURPRISE
ARIZONA

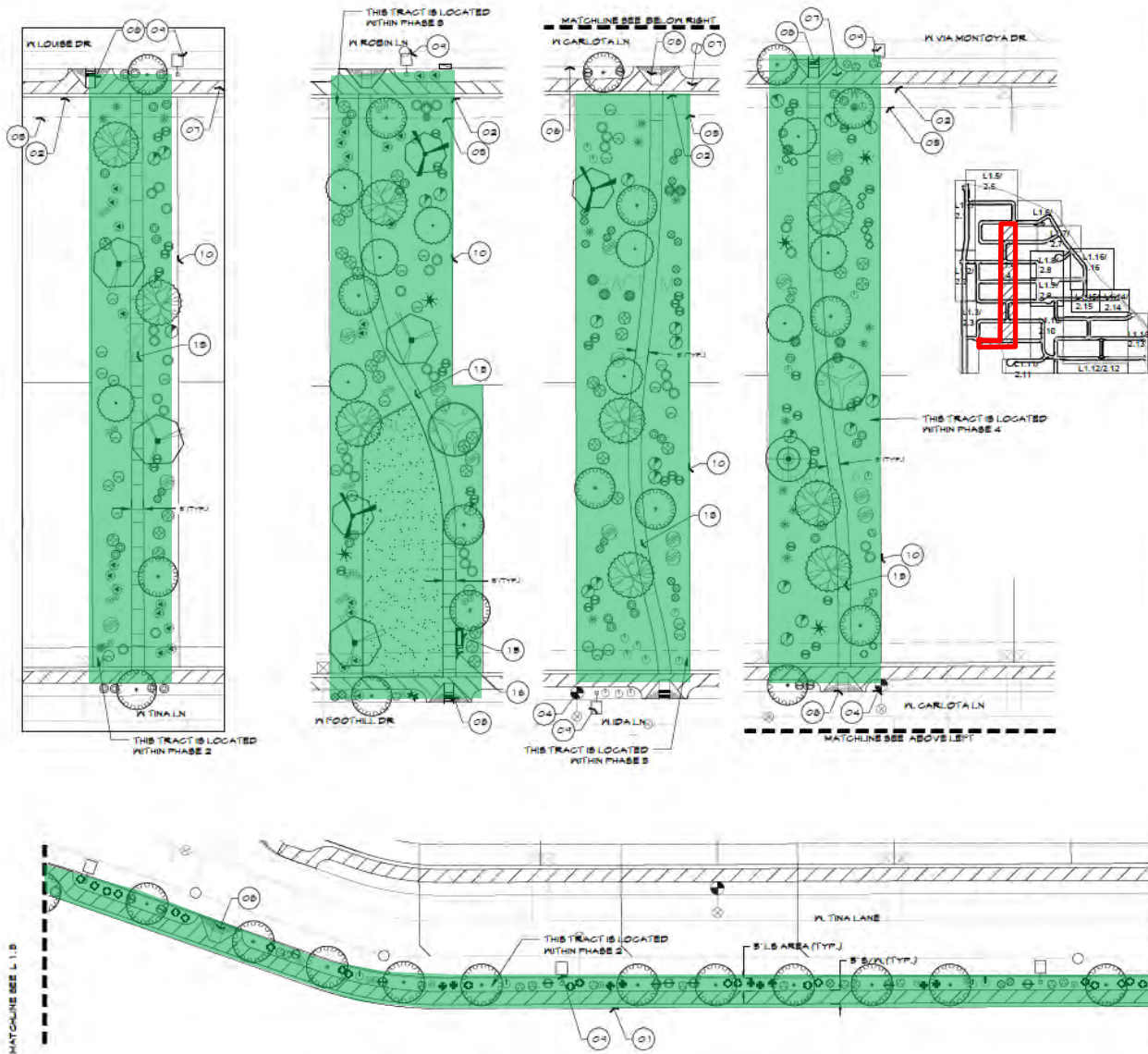
PLANT LEGEND

TREES	- ACACIA ANEURA / MULGA - ACACIA SALICINA / NEILON ACACIA - CHILIPIS SP. RIO SALADO / RIO SALADO DESERT WILLOW - OLNEYA TESOTA / IRONWOOD - PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE - PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE - PROSOPIS HYBRID AZT / AZT THORNLESS MESQUITE
SHRUBS	- CALLIANDRA BRIOPHYLLA / NATIVE FAIRY DUSTER - ENCELIA FARINOSA / BRITTLEBUSH - HYPTIS SMOOTH / DESERT LAVENDER - JUSTICIA CALIFORNICA / CHUPAROSA - LAKKEA TRIDENTATA / CREOSOTE BUSH - LEUCOPHYLLUM LAEVISATUM / CHIHUAHUA BASS - BRONCHIA CHINENSIS / JOJOBA - SPHAERALCEA AMBIGUA / BLOODE MALLOW
AGENTS	- AGAVE AMERICANA / AMERICAN AGAVE - AGAVE PARLI / PARKY'S AGAVE - ASCLEPIUS SUBULATA / DESERT MILKWEED - BOULEDOUA GRACILIS / BLONDE AMBITION GRASS - DASYLIRION KNEELER / DESERT SPOON - FOUGERIA SPLENDENS / COCTILLO - HESTERALOE PARVIFLORA PERPA / - BRACKLEIGHTS RED YUCCA - MULLENBERGIA RUBENS / DEER GRASS - OPUNTIA ENGELMANNI / NATIVE PRICKLY PEAR
GROUND COVERS	- AMEROSIA DELTOIDEA / TRIANGLE LEAF BUR-SAGE - BALISIA MULTIRADIATA / DESERT MARIGOLD - EREMOPHILA GLABRA HYB. / OUTBACK SUNRISE - PENSTEMON PARKRY / PARKRY'S PENSTEMON
	- TURF- MID-IRON BERMUDA SOD. - DECOMPOSED GRANITE- TO BE DETERMINED BY OWNER. - RIP-RAP- SEE CIVIL PLANS. 6" CONCRETE HEADER- NATURAL COLOR.

CONSTRUCTION KEY NOTES

- PROPERTY / PARCEL LINE (TYP.)
- RIGHT OF WAY (TYP.)
- PUBLIC UTILITY EASEMENT (TYP.)
- FIRE HYDRANT (8" CLEAR ON ALL SIDES)
- 8' X 8' SIGHT VISIBILITY LINE
- CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 6" HIGH CMU THEME WALL - SEE WALL PLAN
- 6" HIGH CMU/IRON VIEW FENCE - SEE WALL PLAN
- DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER M&S STD DTL 280. SCORE AS SHOWN.
- 6" WIDE CONCRETE HEADER
- 6" BENCH ON A 6" X 6" CONCRETE PAD, 4" THICK. - SEE AMENITIES SCHEDULE ON SHEETS L.4, 1 AND L.4.2
- DOG WASTE BAGS/DISPOSAL
- AMENITIES/PLAYGROUND AREA

SCALE: 1"=20'-0"

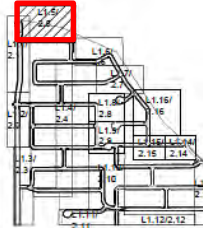


LANDSCAPE PLANS



SURPRISE
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PHASING NOTE: ALL TRACTS ON THIS SHEET ARE WITHIN PHASE 4



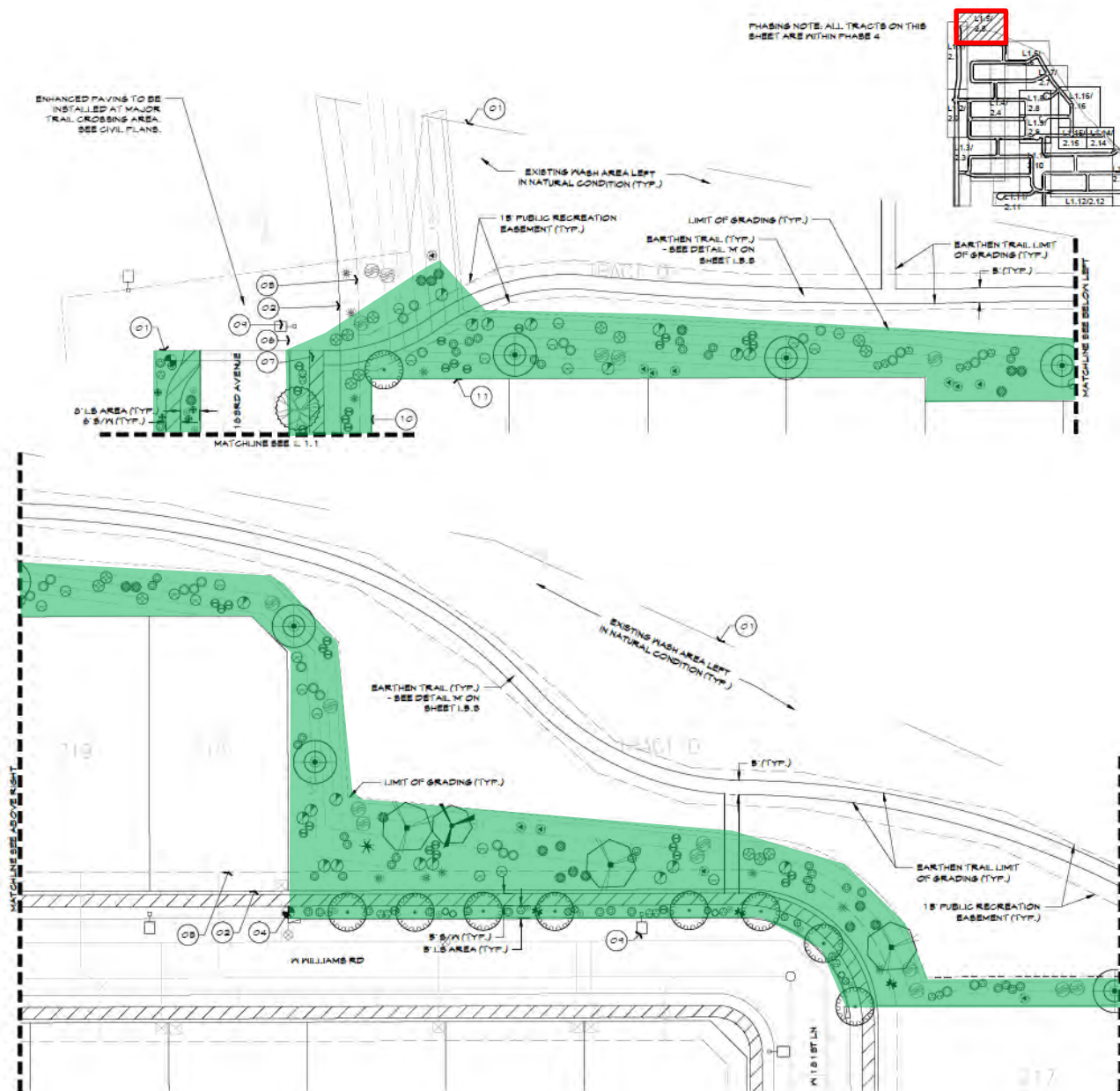
PLANT LEGEND

TREES	ACACIA ANEURA / MULGA ACACIA SALICINA / YELLOEY ACACIA CHLOPSIS SP. / RIO SALADO / RIO SALADO DESERT MILLO OLNEYA TESOTA / IRONWOOD PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE PROSOPIS HYBRID 'AZI' / AZI THORNTLESS MESQUITE
SHRUBS	GALLIANDRA BRIGPHYLLA / NATIVE FAIRY DUSTER ENCLEIA PARINA / BRITTLEBUSH HYPTIS EMORYI / DESERT LAVENDER JUSTICIA CALIFORNICA / CHUPAROSA LARKREA TRIDENTATA / CREOSOTE BUSH LEUCOPHYLLUM LAEVIGATUM / CHIHUAHUA SAGE SIMONDSIA CHINENSIS / JOJOBA BIPHAERALCEA AMBUSA / GLOBE MALLOW
AGENTS	AGAVE AMERICANA / AMERICAN AGAVE AGAVE PARREI / PARRY'S AGAVE ASCLEPIUS SUBULATA / DESERT MILKWEED BOULEDOUA GRACILIS / BLONDE ANEMION GRASS DASYLIRION WHIELERII / DESERT SPOON FOUGERIA SPLENDENS / COCTILLO HESPERALOE PARVIFLORA TERPA / BRAKELIGHTS RED YUCCA MULLENBERGIA RIGENS / DEER GRASS OPUNTIA ENGELMANNI / NATIVE PRICKLY PEAR
GROUND COVERS	AMEROSIA DELTOIDEA / TRIANGLELEAF BUR-BASE BAILEYA MULTIRADIATA / DESERT MARIGOLD EREMOPHILA GLABRA HYB. / OUTBACK SUNRISE PENSTEMON PARRYI / PARRY'S PENSTEMON
	TURF- MID-IRON BERMUDA SOG. DECOMPOSED GRANTE- TO BE DETERMINED BY OWNER RIP-RAP- SEE CIVIL PLANS. 6" CONCRETE HEADER - NATURAL COLOR

CONSTRUCTION KEY NOTES

- PROPERTY / PARCEL LINE (TYP.)
- RIGHT OF WAY (TYP.)
- PUBLIC UTILITY EASEMENT (TYP.)
- FIRE HYDRANT (8' CLEAR ON ALL SIDES)
- 55' X 55' SIGHT VISIBILITY LINE
- CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 6' HIGH CMU THEME WALL - SEE WALL PLAN
- 6' HIGH CMU/IRON VERN FENCE - SEE WALL PLAN
- DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER M&S STD DTL 280. SCORE AS SHOWN.
- 6" WIDE CONCRETE HEADER
- 6" BENCH ON A 8" X 8" CONCRETE PAD, 4" THICK. - SEE AMENITIES SCHEDULE ON SHEETS L4.1 AND L4.2
- DOG WASTE BASS/DISPOSAL
- AMENITIES/PLAYGROUND AREA

SCALE: 1"=20'-0"



LANDSCAPE PLANS



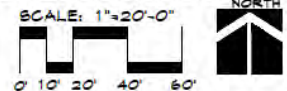
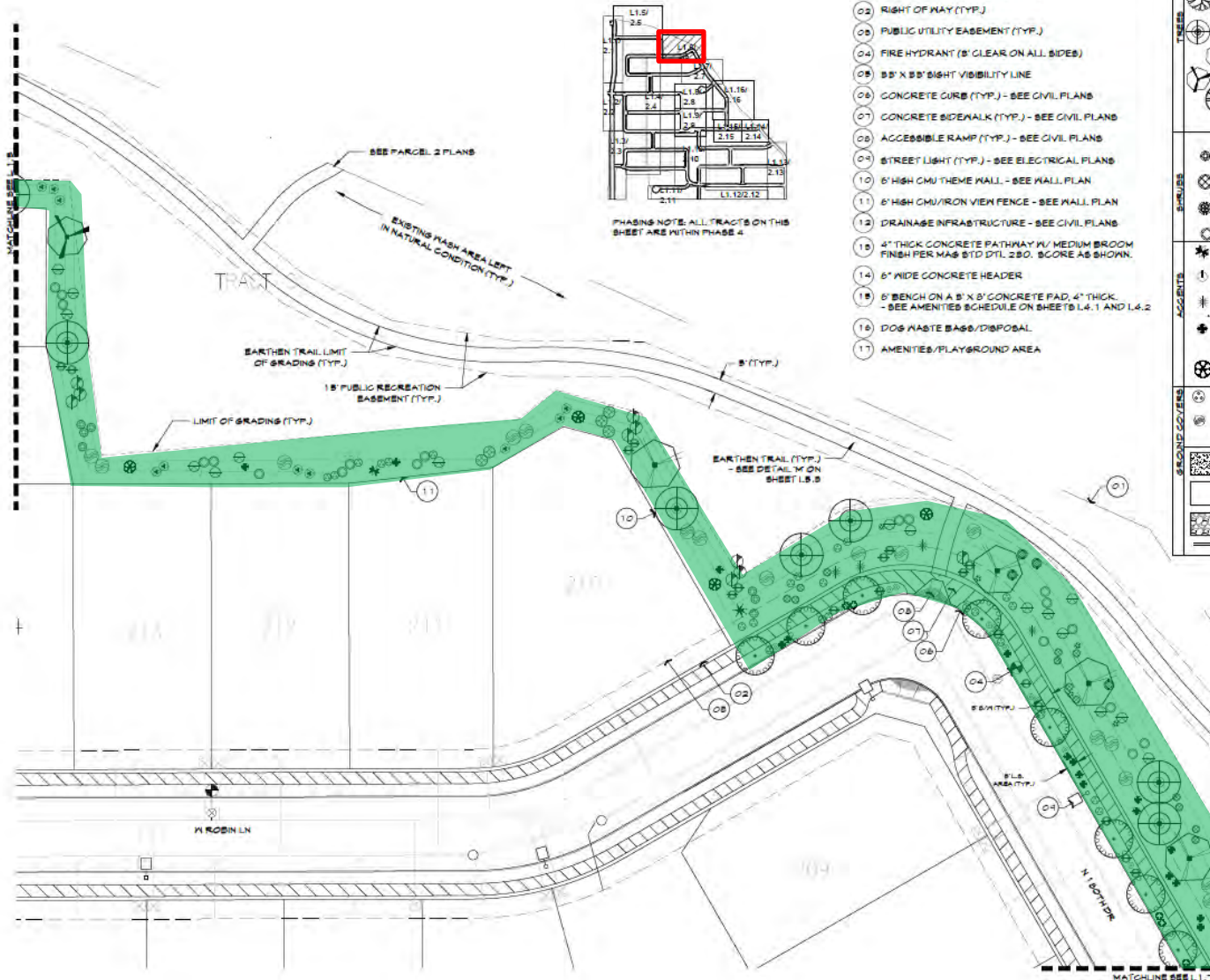
SURPRISE
ARIZONA

CONSTRUCTION KEY NOTES

- 01 PROPERTY/PARCEL LINE (TYP.)
- 02 RIGHT OF WAY (TYP.)
- 03 PUBLIC UTILITY EASEMENT (TYP.)
- 04 FIRE HYDRANT (8' CLEAR ON ALL SIDES)
- 05 88' X 88' SIGHT VISIBILITY LINE
- 06 CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- 07 CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- 08 ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- 09 STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 10 6' HIGH CMU THEME WALL - SEE WALL PLAN
- 11 6' HIGH CMU/IRON VIEW FENCE - SEE WALL PLAN
- 12 DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 13 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER MAS STD DTL 280. SCORE AS SHOWN.
- 14 6" WIDE CONCRETE HEADER
- 15 6" BENCH ON A 8' X 8' CONCRETE PAD, 4" THICK - SEE AMENITIES SCHEDULE ON SHEETS L4.1 AND L4.2
- 16 DOG WASTE BASE/DISPOSAL
- 17 AMENITIES/PLAYGROUND AREA

PLANT LEGEND

ACACIA AMBIGUA / MULGA ACACIA SALIGNA / YELLOW ACACIA CHILOPSIS SP. / RIO SALADO / RIO SALADO DESERT WILLOW OLNEYA TESOTA / IRONWOOD PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE PROSOPIS HYBRID / AZT / AZT THORNLESS MESQUITE	CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER ENCELIA FARINOSA / BRITTS BUSH HYPTIS EMORYI / DESERT LAVENDER JUSTICIA CALIFORNICA / CHUPAROSA LARREA TRIDENTATA / CREOSOTE BUSH LEUCOPHYLLUM LAEVISATUM / CHIHUAHUA BUSH SIMMONDSIA CHINENSIS / JOJOBA SPHAERALCEA AMBIGUA / SLOES MALLOW	AGAVE AMERICANA / AMERICAN AGAVE AGAVE PARRYI / PARRY'S AGAVE ASCLEPIAS TUBEROSA / DESERT MILKWEED BOUTELOUA GRACILIS / BLONDE AMBITION GRASS DASYLIUM WHEELERI / DESERT SPOON FOQUIERIA SPLENDENS / OCOTILLO HESPERALOE PARVIFLORA / TERP / BRAKELIGHTS RED YUCCA MUHLENBERGIA RIGENS / DEER GRASS OPUNTIA ENGELMANNII / NATIVE PRICKLY PEAR	AMBROSIA DELTOIDEA / TRIANGLE LEAF BURNING BUSH BAILEYA MULTIRADIATA / DESERT MARIGOLD EREMOPHILA GLABRA / OUTBACK SUNRISE PENSTEMON PARRYI / PARRY'S PENSTEMON
TURF- MID-IRON BERMUDA SOG. DECOMPOSED GRANITE- TO BE DETERMINED BY OWNER. RIP-RAP- SEE CIVIL PLANS. 6" CONCRETE HEADER- NATURAL COLOR			



LANDSCAPE PLANS



SURPRISE
ARIZONA

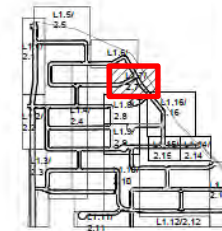
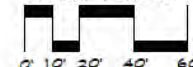
PLANT LEGEND

	ACACIA ANSEREA / MUSA
	ACACIA SALICINA / YELLOW ACACIA
	CHLOPSIS SP. RIO SALADO / RIO SALADO DESERT MALLOW
	OLNEYA TESOTA / IRONWOOD
	PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE
	PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE
	PROSOPIS HYBRID AZT / AZT THORNLESS MESQUITE
	CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER
	ENGELIA FARINOSA / BRITTLEBUSH
	HYPTIS EMORYI / DESERT LAVENDER
	JUSTICIA CALIFORNICA / CHUPAROSA
	LARREA TRIDENTATA / CREOSOTE BUSH
	LEUCOPHYLLUM LAEVISATUM / CHIHUAHUA BASE
	BRONKHOSIA CHINENSIS / JOJOBA
	SPHAERALCEA AMBUSA / GLOBE MALLOW
	AGAVE AMERICANA / AMERICAN AGAVE
	AGAVE PARRYI / PARRY'S AGAVE
	ASCLEPIUS SUBULATA / DESERT MILKWEED
	BOUTELOUA GRACILIS / BLONDE AMBITION GRASS
	DASYLIRION WHEELERII / DESERT SPOON
	FOURCROIA SPLENDENS / OCOTILLO
	HESPERALOE PARVIFLORA TERPA /
	BRACKLEIGHTS RED YUCCA
	MUHLENBERGIA RUPENS / DEER GRASS
	OPUNTIA ENGELMANNII / NATIVE PRICKLY PEAR
	AMEROSIA DELTOIDEA / TRIANGLE-LEAF BUR-SAGE
	SAILEYA MULTIRADIATA / DESERT MARIGOLD
	EREMOPHILA GLABRA HYB. / OUTBACK SUNRISE
	PENSTEMON PARRYI / PARRY'S PENSTEMON
	TURF- MID-IRON BERMUDA SOG.
	DECOMPOSED GRANITE- TO BE DETERMINED BY OWNER
	RIP-RAP- SEE CIVIL PLANS
	8" CONCRETE HEADER - NATURAL COLOR

CONSTRUCTION KEY NOTES

- (01) PROPERTY / PARCEL LINE (TYP.)
- (02) RIGHT OF WAY (TYP.)
- (03) PUBLIC UTILITY EASEMENT (TYP.)
- (04) FIRE HYDRANT (8" CLEAR ON ALL SIDES)
- (05) 33' X 33' SIGHT VISIBILITY LINE
- (06) CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- (07) CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- (08) ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- (09) STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- (10) 6" HIGH CMU THEME WALL - SEE WALL PLAN
- (11) 6" HIGH CMU / IRON VIM FENCE - SEE WALL PLAN
- (12) DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- (13) 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER HAS STD DTL 250. SCORE AS SHOWN.
- (14) 6" WIDE CONCRETE HEADER
- (15) 6" BENCH ON A 3' X 8' CONCRETE PAD, 4" THICK. - SEE AMENITIES SCHEDULE ON SHEETS L4.1 AND L4.2
- (16) DOB WASTE BASS / DISPOSAL
- (17) AMENITIES / PLAYGROUND AREA

SCALE: 1"=20'-0"



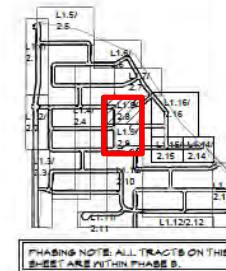
LANDSCAPE PLANS



SURPRISE
ARIZONA

PLANT LEGEND

TREES	- ACACIA ANEURA / MULGA - ACACIA SALICINA / NELLOR ACACIA - CHLOPSIS SP. RIO SALADO / RIO SALADO DESERT NELLOR - OLNEYA TESOTA / IRONWOOD - PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE - PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE - PROSOPIA HYBRID 'AET' / AET THORNTLESS MESQUITE
SHRUBS	- CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER - ENCLEA FARINOSA / BRITTLEBUSH - HYPTIS BACOTA / DESERT LAVENDER - JUSTICIA CALIFORNICA / CHUPAROSA - LARREA TRIDENTATA / CREOSOTE BUSH - LEUCOPHYLLUM LASVISATUM / CHIHUAHUA SAGE - MONARDIA CHINENSIS / JOJOBA - SPHERALCEA AMBIGUA / SLOPE MALLOW
GRASSES	- AGAVE AMERICANA / AMERICAN AGAVE - AGAVE PARVIFLORUS / PARVIFLORUS AGAVE - ASCLEPIAS SUBULATA / DESERT MILKWEED - BOUTELOUA GRACILIS / BLONDE AMBITION GRASS - DASYLIRION PHOEBUS / DESERT SPOON - FOURCROZIA FENESTRATA / COCTILO - HESPERALOE PARVIFLORA PERVA / DRAGONLIGHT RED YUCCA - MULLENBERGIA RIGENS / DEER GRASS - PUNTA ENSELMANNI / NATIVE PRICKLY PEAR
SECOND GROWTHS	- AMERISIA DELTOIDEA / TRANS-LEAF BUR-SAGE - BAILEYA MULTIRADATA / DESERT MARIGOLD - EREMOPHILA GLABRA HYB. / OUTBACK SUNRISE - FENESTRATA FENESTRA / FENESTRA FENESTRATA
	- TURF- MID-IRON BERMUDA SOD. - DECOMPOSED GRANITE- TO BE DETERMINED BY OWNER - RIP-RAP- SEE CIVIL PLANS 8" CONCRETE HEADER- NATURAL COLOR



CONSTRUCTION KEY NOTES

- PROPERTY/PARCEL LINE (TYP.)
- RIGHT OF WAY (TYP.)
- PUBLIC UTILITY EASEMENT (TYP.)
- FIRE HYDRANT (8" CLEAR ON ALL SIDES)
- 8" X 8" SIGHT VISIBILITY LINE
- CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 6" HIGH CMU TRUNK WALL - SEE MALL PLAN
- 6" HIGH CMU/IRON VIEW FENCE - SEE MALL PLAN
- DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER M&S BTD DTL 280. SCORE AS SHOWN.
- 6" WIDE CONCRETE HEADER
- 6" BENCH ON A 6" X 6" CONCRETE PAD, 4" THICK. - SEE AMENITIES SCHEDULE ON SHEETS L4.1 AND L4.2
- DOG WASTE BASS/DISPOSAL
- AMENITIES/PLAYGROUND AREA

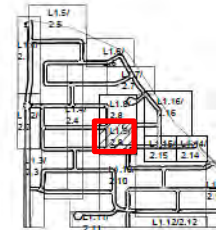
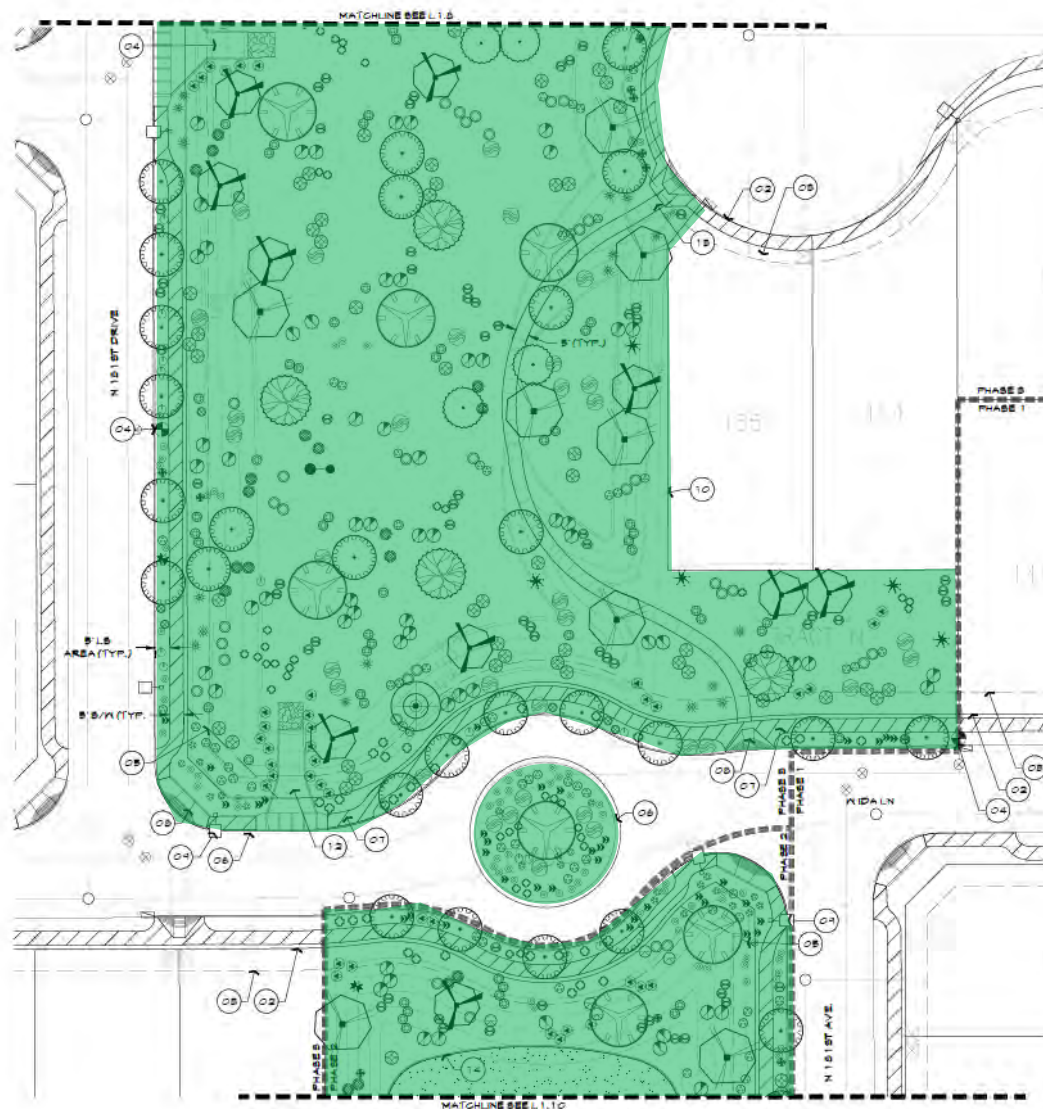
SCALE: 1"=20'-0"



LANDSCAPE PLANS



SURPRISE
ARIZONA



PLANT LEGEND

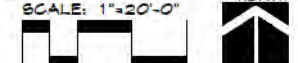
TREES	- ACACIA ANEURA / MULGA - ACACIA BAILEYANA / YELLOW ACACIA - CHLOPSIS SP. RIO SALADO / RIO SALADO DESERT ALLOW - OLNEYA TESOTA / IRONWOOD - PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE - PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE - PROSOPIS HYBRID 'AZT' / AZT THORNLESS MESQUITE
SHRUBS	- GALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER - ENCELIA FARINOSA / BRITTLEBUSH - HYPTIS SMORNY / DESERT LAVENDER - JUSTICIA CALIFORNICA / CHUPAROSA - LARREA TRIDENTATA / CREOSOTE BUSH - LEUCOPHYLLUM LAEVISATUM / CHIHUAHUA SAGE - SMONDISIA CHINENSIS / JOJOBA - SPHAERALCEA AMBUSA / GLOBE MALLOW
ACCENTS	- ASAVE AMERICANA / AMERICAN ASAVE - ASAVE PARKII / PARKY'S ASAVE - ASCLEPIUS SUBULATA / DESERT MILKWEED - BOUTELOUA GRACILIS / BLONDE AMBITION GRASS - DASYLIRION PHOEBILIS / DESERT SPOON - FOUGERIA SPLENDENS / COOTILLO - HESTERALOS PARVIFLORA TERPA / - BRANDELIGHT'S RED YUCCA - MULBERRERIA RIGENS / DEER GRASS - OPUNTIA ENGELMANNI / NATIVE PRICKLY PEAR
GROUND COVERS	- AMBROSIA DELTOIDEA / TRIANGLE LEAF BUR-BASE - BAILEYA MULTIRADIATA / DESERT MARIGOLD - EREMOPHILA ALABRA HYB. / OUTBACK SUNRISE - FENSTEMON PARKYI / PARKY'S FENSTEMON
	- TURF - MID-IRON BERMUDA BOD. - DECOMPOSED GRANITE - TO BE DETERMINED BY OWNER - EXP. MNT. - SEE CIVIL PLANS. 6" CONCRETE HEADER - NATURAL COLOR.

CONSTRUCTION KEY NOTES

- 01 PROPERTY/PARCEL LINE (TYP.)
- 02 RIGHT OF WAY (TYP.)
- 03 PUBLIC UTILITY EASEMENT (TYP.)
- 04 FIRE HYDRANT (6" CLEAR ON ALL SIDES)
- 05 55' X 55' SIGHT VISIBILITY LINE
- 06 CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- 07 CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- 08 ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- 09 STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 10 6" HIGH CMU THEME WALL - SEE WALL PLAN
- 11 6" HIGH CMU/IRON VIEW FENCE - SEE WALL PLAN
- 12 DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 13 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER HAS STD DTI. 250. SCORE AS SHOWN.
- 14 6" WIDE CONCRETE HEADER
- 15 6" BENCH ON A 5' X 8' CONCRETE PAD, 4" THICK. - SEE AMENITIES SCHEDULE ON SHEETS L4.1 AND L4.2
- 16 DOGS WASTE BAGS/DISPOSAL
- 17 AMENITIES/PLAYGROUND AREA

SCALE: 1"=20'-0"

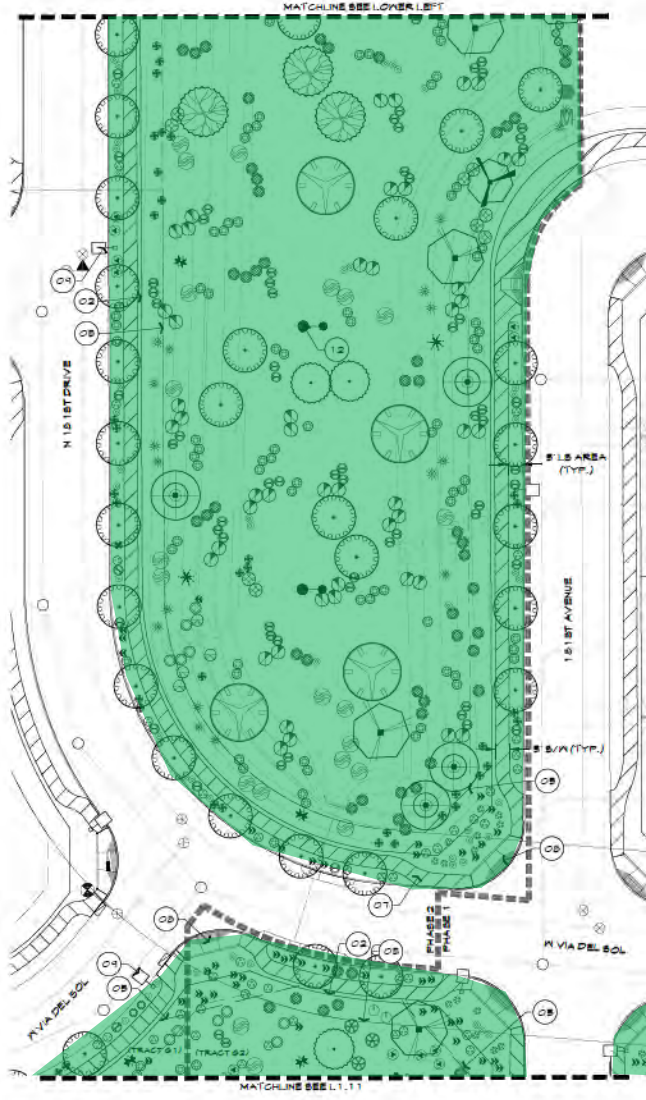
NORTH



LANDSCAPE PLANS



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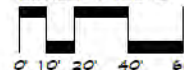
PLANT LEGEND

	ACACIA AMBURA / MULBA
	ACACIA SALICINA / WILLOW ACACIA
	CHILOPSIS SP. RIO SALADO / RIO SALADO DESERT WILLOW
	OLNEYA TESOTA / IRONWOOD
	PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE
	PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE
	PROSOPIS HYBRID AZT / AZT THORNLESS MESQUITE
	CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER
	ENCELIA FARINOSA / BRITTLEBUSH
	HYPTIS EMORYI / DESERT LAVENDER
	JUSTITIA CALIFORNICA / CHIPARROSA
	LARREA TRIDENTATA / CREOSOTE BUSH
	LEUCOPHYLLUM LAEVIGATUM / CHIHUAHUA SAGE
	SIMMONDSIA CHINENSIS / JOJOBA
	SPHAERALCEA AMBIGUA / GLOBE MALLOW
	ASAVE AMERICANA / AMERICAN ASAVE
	ASAVE PARKII / PARKII ASAVE
	ASCLEPIAS TUBEROSA / DESERT MILKWEED
	BOUTELOUA GRACILIS / BLONDE AMBITION GRASS
	DASYLIDON WHEELERI / DESERT SPOON
	FOQUIERIA SPLENDENS / COCOTILLO
	HESPERALOE PARVIFLORA PERLA / BRAKELIGHT'S RED YUCCA
	MUHLENBERGIA RIGENS / DEER GRASS
	OPUNTIA ENGELMANNII / NATIVE PRICKLY PEAR
	AMORPHA DELTOIDEA / TRIANGLE LEAF BUR-BASE
	BAILEYA MULTIRADIATA / DESERT MARIGOLD
	EREMOPHILA GLABRA HYB. / OUTBACK SUNRISE
	PENSTEMON PARKII / PARKII PENSTEMON
	TURF - MID-RON BERMDA SOD
	DECOMPOSED GRANITE - TO BE DETERMINED BY OWNER
	R/R - RAP - SEE CIVIL PLANS
	8" CONCRETE HEADER - NATURAL COLOR

CONSTRUCTION KEY NOTES

- PROPERTY / PARCEL LINE (TYP.)
- RIGHT OF WAY (TYP.)
- PUBLIC UTILITY EASEMENT (TYP.)
- FIRE HYDRANT (8" CLEAR ON ALL SIDES)
- 8' X 8' SIGHT VISIBILITY LINE
- CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 6" HIGH CMU THEME WALL - SEE WALL PLAN
- 6" HIGH CMU/IRON VIEW FENCE - SEE WALL PLAN
- DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER MAG STD DTL 280. SCORE AS SHOWN.
- 6" WIDE CONCRETE HEADER
- 6" BENCH ON A 8' X 8" CONCRETE PAD, 4" THICK. - SEE AMENITIES SCHEDULE ON SHEETS L4.1 AND L4.2
- DOS WASTE BASS/DISPOSAL
- AMENITIES/PLAYGROUND AREA

SCALE: 1"=20'-0"



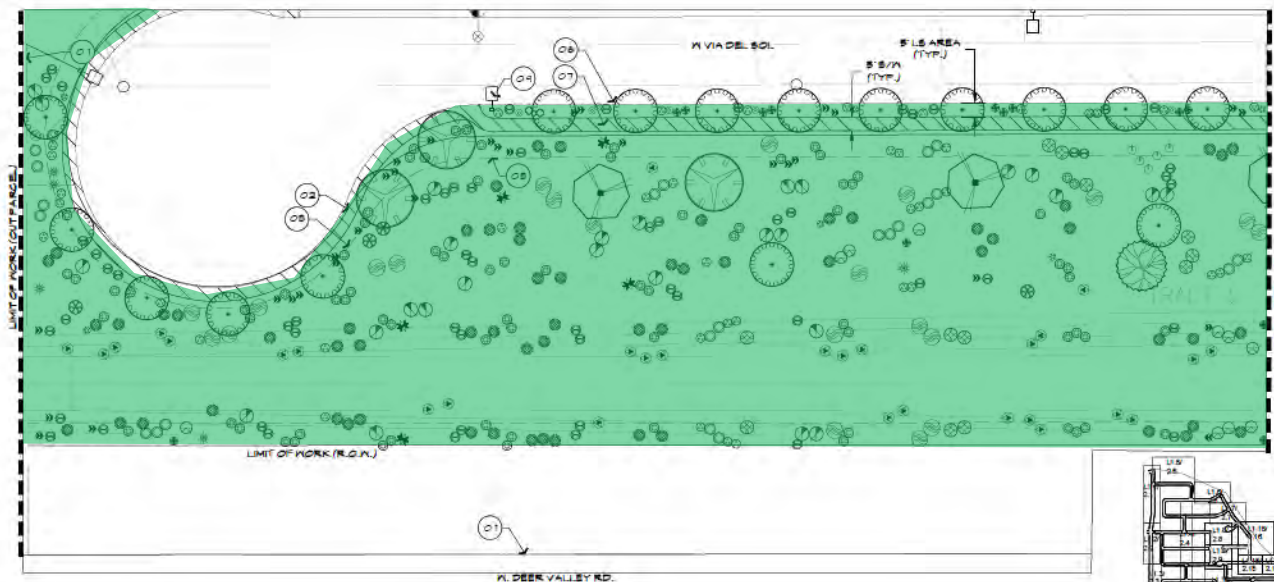
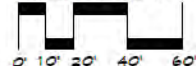
PLANT LEGEND

TREES		ACACIA ANEURA / MULGA
		ACACIA BALIONA / MILLON ACACIA
		CHLOPIUS SP. RIO SALADO / RIO SALADO DESERT ALLOY
		OLNEYA TESOTA / IRONWOOD
		PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE
SHRUBS		PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE
		PROSOPIS HYBRID AZT / FACT THORNLESS MESQUITE
		GALLANDIERA ERYTHRYLLA / NATIVE FAIRY DUSTER
		ENCELIA FARINOSA / BRITTLEBUSH
		HYPTIS EMORYI / DESERT LAVENDER
AGAVE		JUSTICIA CALIFORNICA / CHUPAROSA
		LARREA TRIDENTATA / CREOSOTE BUSH
		LYCOPHYLLUM LAEVIGATUM / CHIHUAHUA SAGE
		BIMBOIDEA CHINENSIS / JUJUEA
		BIMBOIDEA CHINENSIS / SLOPE MALLOW
AGAVE		AGAVE AMERICANA / AMERICAN AGAVE
		AGAVE PARRYI / PARRY'S AGAVE
		ASCLEPIAS SUBULATA / DESERT MILKWEED
		BOUTELOUA GRACILIS / BLONDE AMBITION GRASS
		DESCHAMPSIA NUBLERII / DESERT SPONG
SEMI-DESERT		FOQUIERIA SPLENDENS / OCCOTILLO
		HESPERALOE PARVIFLORA / PERRA /
		BRAKELICHT / RED YUCCA
		HESPERALOE PARVIFLORA / DEER GRASS
		OPUNTIA ENGELMANNII / NATIVE PRICKLY PEAR
SEMI-DESERT		AMORPHA DELTOIDEA / TRANS-LEAF BUR-SAGE
		BAILEYA MULTIRADIATA / DESERT MARIGOLD
		BERMUTHIA GLABRA / HYSS / OUTBACK BURNISE
		PENSTEMON PARRYI / PARRY'S PENSTEMON
		PENSTEMON PARRYI / PARRY'S PENSTEMON
SEMI-DESERT		TURF - MED-IRON BERMUDA SOD.
		DECOMPOSED GRANITE - TO BE DETERMINED BY OWNER
		RIP-RAP - SEE CIVL PLANS.
		6" CONCRETE HEADER - NATURAL COLOR
		6" CONCRETE HEADER - NATURAL COLOR

CONSTRUCTION KEY NOTES

- 01 PROPERTY/PARCEL LINE (TYP.)
- 02 RIGHT OF WAY (TYP.)
- 03 PUBLIC UTILITY EASEMENT (TYP.)
- 04 FIRE HYDRANT (5' CLEAR ON ALL SIDES)
- 05 35' X 35' SIGHT VISIBILITY LINE
- 06 CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- 07 CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- 08 ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- 09 STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 10 8' HIGH CAMU-THEME WALL - SEE WALL PLAN
- 11 8' HIGH CAMU/TOWN VIEW FENCE - SEE WALL PLAN
- 12 DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 13 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER MAS STD DET. 2B0. SEE CAD AS SHOWN.
- 14 6" MICH CONCRETE HEADER
- 15 8" BENCH ON A 8" X 8" CONCRETE PAD, 4" THICK - SEE AMENITIES SCHEDULE ON SHEETS L4, 1 AND L4.2
- 16 DOG WASTE BAGS/DISPOSAL
- 17 AMENITIES/PLAYGROUND AREA

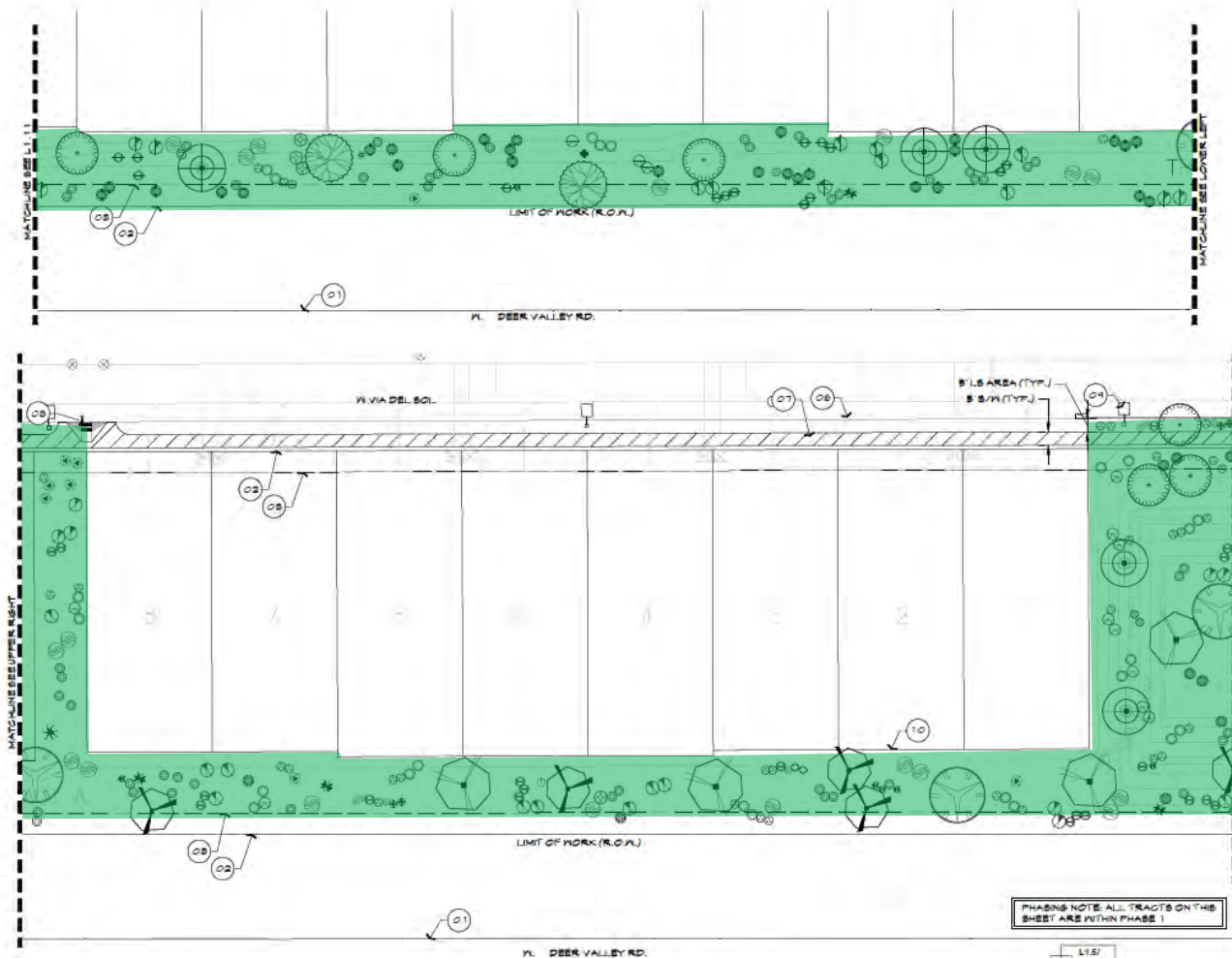
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LANDSCAPE PLANS



SURPRISE
ARIZONA



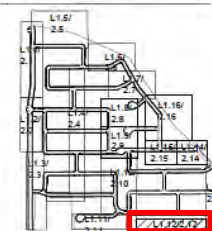
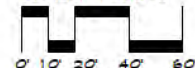
PLANT LEGEND

TREES	- ACACIA ANSEREA / MULGA - ACACIA SALICINA / MILLON ACACIA - CHILOPSIS SP. RIO SALADO / RIO SALADO DESERT MILLOP - OLNEYA TESOTA / IRONWOOD - PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE - PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE - PROSOPIS HYBRID AZT. / AZT THORNTLESS MESQUITE
SHRUBS	- CALLIANDRA BERTHOFFII / NATIVE FAIRY DUSTER - ENCELIA PARANDA / BRITTLEBUSH - HYPTIS EMORYI / DESERT LAVENDER - JUSTICIA CALIFORNICA / CHUPAROSA - LARREA TRIDENTATA / CREOSOTE BUSH - LEUCOPHYLLUM LAEVSATUM / CHIHUAHUA SAGE - SHIMONDISIA CHINENSIS / JOJOBA - SPHAERALCEA AMBIGUA / GLOBE NAILLOW
ACCENTS	- ASAVE AMERICANA / AMERICAN ASAVE - ASAVE PARKS / PARKS ASAVE - ASCLEPIUS SUBULATA / DESERT MILKWEED - BOULEGUA GRACILIS / BLONDE ANTIPOIN GRASS - DASYLIRION SPLENDENS / DESERT SPOON - FOUGERIA SPLENDENS / COTILLO - FESPERALCEA PARKFLORA PERPA / - BRACKLIGHTS RED YUCCA - MULDERBERGIA RUBENS / DEER GRASS - OPUNTIA ENGELMANNI / NATIVE PRICKLY PEAR
GROUND COVERS	- AMEROBIA DELTOIDEA / TRIANGLELEAF BUR-SAGE - BAILEYA MULTIRADIATA / DESERT MARIGOLD - BREMOPHILA SLABERBY / OUTBACK SUNRISE - PENSTEMON PARKYI / PARKY'S PENSTEMON
	- TURF - MID-IRON BERMUDA SOG. - DECOMPOSED GRANITE - TO BE DETERMINED BY OWNER. - REF-RAP - SEE CIVIL PLANS. 6" CONCRETE HEADER - NATURAL COLOR

CONSTRUCTION KEY NOTES

- PROPERTY/PARCEL LINE (TYP.)
- RIGHT OF WAY (TYP.)
- PUBLIC UTILITY EASEMENT (TYP.)
- FIRE HYDRANT (8" CLEAR ON ALL SIDES)
- 88' X 88' SIGHT VISIBILITY LINE
- CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 6" HIGH CMU THEME WALL - SEE WALL PLAN
- 6" HIGH CMU/IRON VIEW FENCE - SEE WALL PLAN
- DRAINAGE INFRASTRUCTURE - SEE CIVIL PLAN
- 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER MAS STD DTL 280. SCORE AS SHOWN.
- 6" WIDE CONCRETE HEADER
- 6" BENCH ON A 6" X 6" CONCRETE PAD, 4" THICK. - SEE AMENITIES SCHEDULE ON SHEETS L.4.1 AND L.4.2
- DOG WASTE BASS/DISPOSAL
- AMENITIES/PLAYGROUND AREA

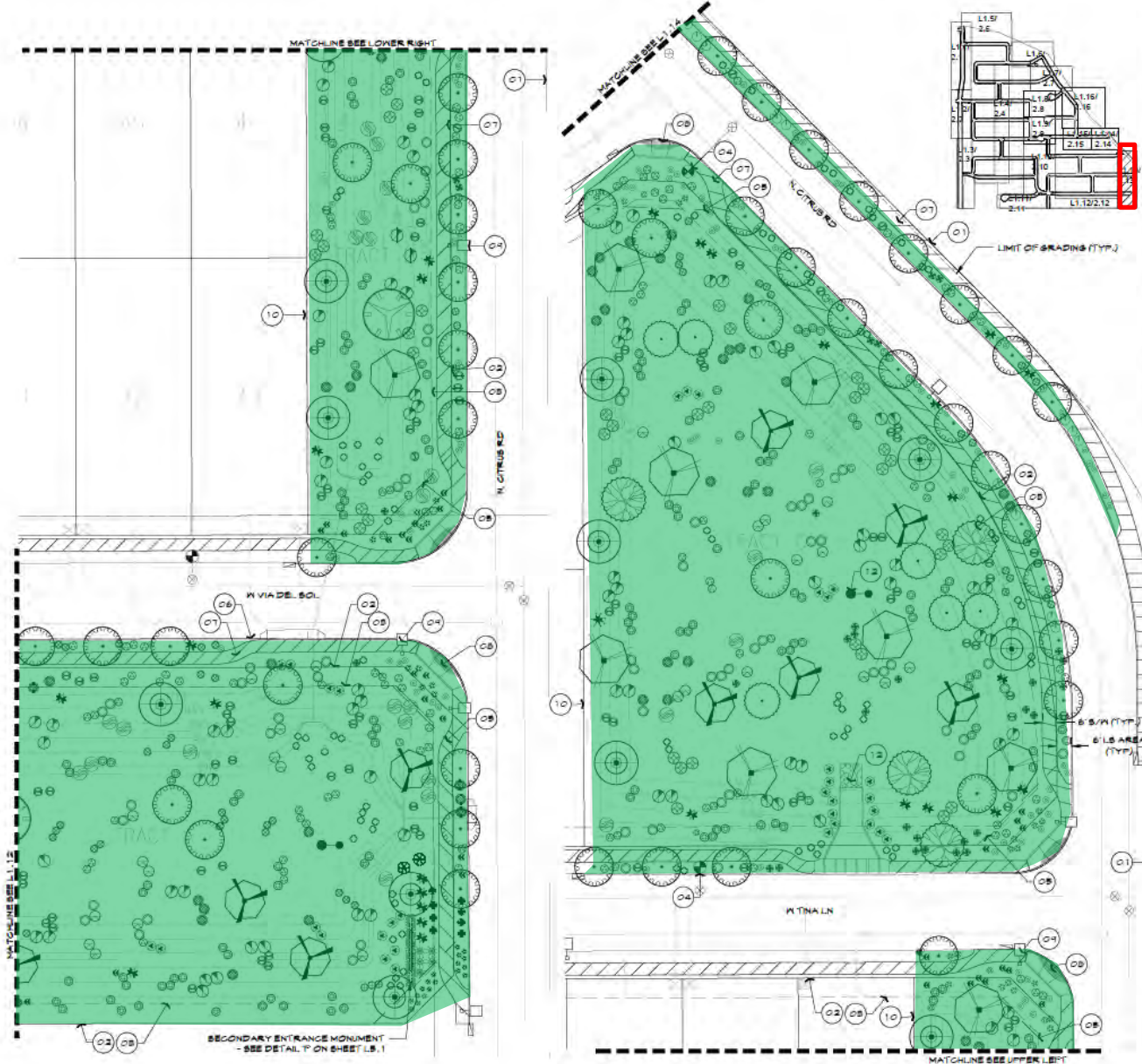
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LANDSCAPE PLANS



SURPRISE
ARIZONA



PLANT LEGEND

ACACIA ANSERA / MULGA
ACACIA SALICINA / YELLOW ACACIA
CHLOPSIS SP. RIO SALADO / RIO SALADO DESERT YILLOW
OLNEYA TESOTA / IRONWOOD
PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE
PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE
PROSOPIS HYBRID AZT / AZT THORNLESS MESQUITE
GALLIANDRA BRACHYPHYLLA / NATIVE FAIRY DUSTER
ENCELIA FARINOSA / BRITISH BUSH
HYPTIS EMORYI / DESERT LAVENDER
JUSTICIA CALIFORNICA / CHIPAROSEA
LARREA TRIDENTATA / CREOSOTE BUSH
LEUCOPHYLLUM LAEVISATUM / CHIHUAHUA SAGE
SEMPERPARVA CHINENSIS / JOJOBA
SPHARALCEA AMBIGUA / GLOBE MALLOW
AGAVE AMERICANA / AMERICAN AGAVE
AGAVE PARREI / PARRY'S AGAVE
ASCLEPIUS SUBULATA / DESERT MILKWEED
SCOTILOUS BRAGLIS / BLONDE AMBITION GRASS
DASYLIRION WHIELERI / DESERT SPOON
FOUQUERIA SPLENDENS / COOTILO
HEPERALOE PARVIFLORA PERPA /
BRACELIGHTS RED YUCCA
NUHLBERGIA RIGENS / DEER GRASS
OPUNTIA ENGELMANNI / NATIVE PRICKLY PEAR
AMEROSIA DELTOIDEA / TRIANGLE-LEAF BUR-SAGE
BAILEYA MULTIRADATA / DESERT MARIGOLD
EREMOPHILA SALICARIA HYB. / OUTBACK SUNRISE
PENSTEMON PARKYI / PARRY'S PENSTEMON
TURF- MID-IRON BERMUDA SOO.
DECOMPOSED GRANITE- TO BE DETERMINED BY OWNER.
RP-RAP- SEE CIVIL PLANS.
6" CONCRETE HEADER - NATURAL COLOR

CONSTRUCTION KEY NOTES

- PROPERTY/PARCEL LINE (TYP.)
- RIGHT OF WAY (TYP.)
- PUBLIC UTILITY EASEMENT (TYP.)
- FIRE HYDRANT (6" CLEAR ON ALL SIDES)
- 55' X 55' SIGHT VISIBILITY LINE
- CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 6" HIGH CMU THEME WALL - SEE WALL PLAN
- 6" HIGH CMU/IRON VIEW FENCE - SEE WALL PLAN
- DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER M&S STD DTL 250. SCORE AS SHOWN.
- 6" WIDE CONCRETE HEADER
- BENCH ON A 3' X 8' CONCRETE PAD, 4" THICK. - SEE AMENITIES SCHEDULE ON SHEETS L.S. 1 AND L.S. 2
- DOG WASTE BAGS/DISPOSAL
- AMENITIES/PLAYGROUND AREA

SCALE: 1"=20'-0"



PHASING NOTE: ALL TRACTS ON THIS SHEET ARE WITHIN PHASE 1

LANDSCAPE PLANS



SURPRISE
ARIZONA



PLANT LEGEND

TREES	SHRUBS	ACCENTS	GROUND COVERS
- ACACIA ANSEREA / MULGA - ACACIA SALICINA / YELLOW ACACIA - CHLOPSIS SP. RIO SALADO / RIO SALADO DESERT MALLOW - OLNEYA TESOTA / IRONWOOD - PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE - PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE - PROSOPIS HYBRID 'AZT' / AZT THORNTLESS MESQUITE	- CALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER - ENCELIA FARINOSA / BRITTLEBUSH - HYPTIS EMORYI / DESERT LAVENDER - JUSTICIA CALIFORNICA / CHUPAROSA - LARREA TRIDENTATA / CREOSOTE BUSH - LEUCOPHYLLUM LAEVISATUM / CHIHUAHUA BASS - SMYRNEA CHINENSIS / JOJOBA - SPHAERALCEA AMBIGUA / GLOBE MALLOW	- AGAVE AMERICANA / AMERICAN AGAVE - AGAVE PARREI / PARRY'S AGAVE - AGAVE SUBULATA / DESERT MILKWEED - BOUTELOUA GRACILIS / BLONDE AMBITION GRASS - PASTYRIONA WHEELERII / DESERT SPOON - FOURCROZIA BR. BENDENI / COCOLO - HESTERALCEA PARVIFLORA TERRETA / BRAKELIGHTS RED YUCCA - MULLENBERGIA RUSSIGII / DEER GRASS - OPUNTIA ENGELMANNII / NATIVE PRICKLY PEAR	- AMEROPSIA DELTOIDEA / TRIANGLE LEAF BUR-SAGE - BAILEYA MULTIRADIATA / DESERT MARIGOLD - EREMOPHILA GLABRA HYB. / OUTBACK SUNRISE - PENSTEMON PARRYI / PARRY'S PENSTEMON
			- TURF- MID-IRON BERMUDA 300. - DECOMPOSED GRANITE- TO BE DETERMINED BY OWNER. - RIP-RAP- SEE CIVIL PLANS. 6" CONCRETE HEADER - NATURAL COLOR.

CONSTRUCTION KEY NOTES

- 01 PROPERTY/PARCEL LINE (TYP.)
- 02 RIGHT OF WAY (TYP.)
- 03 PUBLIC UTILITY EASEMENT (TYP.)
- 04 FIRE HYDRANT (6" CLEAR ON ALL SIDES)
- 05 55' X 55' SIGHT VISIBILITY LINE
- 06 CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- 07 CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- 08 ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- 09 STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 10 6" HIGH CMU THEME WALL - SEE WALL PLAN
- 11 6" HIGH CMU/IRON VIEW FENCE - SEE WALL PLAN
- 12 DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 13 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER MAG STD DTL 280. SCORE AS SHOWN.
- 14 6" WIDE CONCRETE HEADER
- 15 6" BENCH ON A 5' X 5' CONCRETE PAD, 4" THICK. - SEE AMENITIES SCHEDULE ON SHEETS L4.1 AND L4.2
- 16 DOB WASTE BASS/DISPOSAL
- 17 AMENITIES/PLAYGROUND AREA

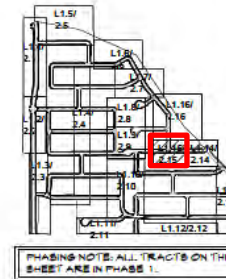
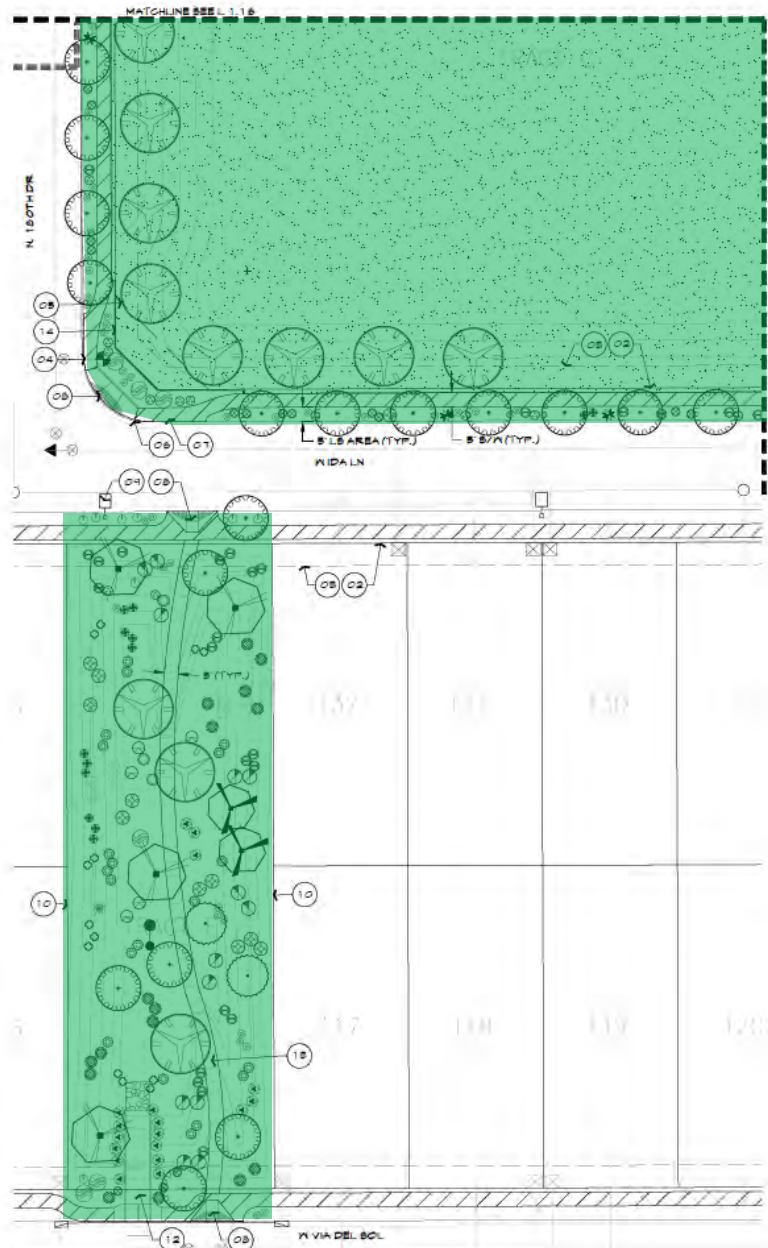
SCALE: 1"=20'-0"



LANDSCAPE PLANS



SURPRISE
ARIZONA



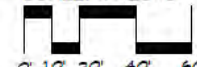
PLANT LEGEND

TREES	- AGACIA ANEURA / MULGA - AGACIA SALICINA / YELLOW ACACIA - CHLOPSIS SP. RIO SALADO / RIO SALADO DESERT WILLOW - OLNEYA TESOTA / IRONWOOD - PARKINSONIA HYBRID / DESERT MUSEUM PALO VERDE - PARKINSONIA MICROPHYLLUM / FOOTHILLS PALO VERDE - PROSOPIS HYBRID 'AZT' / AZT THORNTLESS MESQUITE
SHRUBS	- GALLIANDRA ERIOPHYLLA / NATIVE FAIRY DUSTER - ENCELIA FARINOSA / BRITTLEBUSH - HYPTIS EMORYI / DESERT LAVENDER - HYPTIS CALIFORNICA / CHUPAROSA - LARREA TRIDENTATA / CREOSOTE BUSH - LEUCOPHYLLUM LABRISATUM / CHIRAHUAN BAGE - SIMMONDSIA CHINENSIS / JOJOBA - SPHAERALCEA AMBIGUA / GLOBE WALLOW
ACCENTS	- AGAVE AMERICANA / AMERICAN AGAVE - AGAVE PARLEY / PARRY'S AGAVE - ASOLEPIUS SUBULATA / DESERT MILKWEED - BOULEDOVA SRACULUS / BLONDE ANTIION GRASS - DAHYLURON PABESSEAU / DESERT SPOON - FOUGERIA SPLENDENS / OCOTILLO - HEPERALOE PARVIFLORA PERPA / - BRACKLEIGHTS RED YUGCA - MULLENBERGIA RUSSENS / DEER GRASS - OPUNTIA ENGELMANNI / NATIVE PRICKLY PEAR
GROUND COVERS	- AMEROSIA DELTOIDEA / TRIANGLE-LEAF BUR-BASE - SALEA MULTIRADIATA / DESERT MARIGOLD - EREMOPHILA ALABRA HYB. / OUTBACK SUNRISE - PENSTEMON PARRYI / PARRY'S PENSTEMON
	- TURF - MID-HIGH BERMUDA SOG. - DECOMPOSED GRANITE - TO BE DETERMINED BY OWNER - RP-RAP - SEE CIVIL PLANS. 6" CONCRETE HEADER - NATURAL COLOR

CONSTRUCTION KEY NOTES

- PROPERTY/PARCEL LINE (TYP.)
- RIGHT OF WAY (TYP.)
- PUBLIC UTILITY EASEMENT (TYP.)
- FIRE HYDRANT (5' CLEAR ON ALL SIDES)
- 55' X 55' SIGHT VISIBILITY LINE
- CONCRETE CURB (TYP.) - SEE CIVIL PLANS
- CONCRETE SIDEWALK (TYP.) - SEE CIVIL PLANS
- ACCESSIBLE RAMP (TYP.) - SEE CIVIL PLANS
- STREET LIGHT (TYP.) - SEE ELECTRICAL PLANS
- 6' HIGH CMU THEME WALL - SEE WALL PLAN
- 6' HIGH CMU/IRON VIEW FENCE - SEE WALL PLAN
- DRAINAGE INFRASTRUCTURE - SEE CIVIL PLANS
- 4" THICK CONCRETE PATHWAY W/ MEDIUM BROOM FINISH PER MAG STD DTL 250. SCORE AS SHOWN.
- 6" WIDE CONCRETE HEADER
- 6" BENCH ON A 5' X 6" CONCRETE PAD, 4" THICK. - SEE AMENITIES SCHEDULE ON SHEETS L.4.1 AND L.4.2
- DOG WASTE BAGS/DISPOSAL
- AMENITIES/PLAYGROUND AREA

SCALE: 1"=20'-0"



WALLS AND SIGNAGE - MAP



PROJECT WALL KEY

	6' MIN. - 8' MAX. PROJECT THEME WALL - APPROX. 5,135 LF (SEE DETAIL 'A', SHEET L8.1)
	6' PROJECT VIEW FENCE - APPROX. 1,154 LF (SEE DETAIL 'D2', SHEET L8.1)
	6' PROJECT PARTIAL VIEW FENCE - APPROX. 1,520 LF (SEE DETAIL 'D1', SHEET L8.1)
	4' FENCE BLOCK BUILDER WALL - APPROX. 245 LF (SEE DETAIL 'I', SHEET L8.1)
	PRIMARY THEME COLUMN- 36 TOTAL (SEE DETAIL 'C', SHEET L8.1)
	COMMUNITY MAILBOX CLUSTERS, - MAILBOX UNITS AND UNIT QUANTITIES TO BE APPROVED BY USPB. SEE ADJUTED SCHEDULE ON SHEET L4.1 AND DETAIL 'A' ON SHEET L8.2

SPECIAL NOTE:

BUILDER RESERVES THE RIGHT TO REVISE THE SPACING AND/OR QUANTITY OF THEME COLUMNS ON THE PROJECT. GET STRUCTURAL ENGINEERING APPROVAL FOR ANY CHANGES PRIOR TO CONSTRUCTION.

NOTES:

1. ALL FOOTINGS, WALLS, FENCES AND THEME COLUMNS TO BE LOCATED OUTSIDE OF THE P.U.E. R.O.W. AND SITE VISIBILITY TRIANGLE EASEMENTS.
2. THEME COLUMNS ARE TO BE 24'-0" OFF THE BACK OF R.O.W. (UNLESS OTHERWISE NOTED). SOME THEME COLUMNS MAY HAVE TO BE LOCATED 80' OFF THE BACK OF R.O.W. WHERE SITE VISIBILITY TRIANGLE EASEMENTS ARE PRESENT. CONTRACTOR TO INSTALL 8"X8" CONCRETE HEADER FROM THE FRONT OF THE COLUMN TO THE BACK OF THE SIDEWALK.
3. SEE CIVIL PLANS FOR RETAINING WALL LOCATIONS.
4. ALL PERIMETER AND INTERIOR WALLS NOT NOTED ABOVE SHALL BE STANDARD 4" X 8" X 16" CMU FENCE BLOCK.

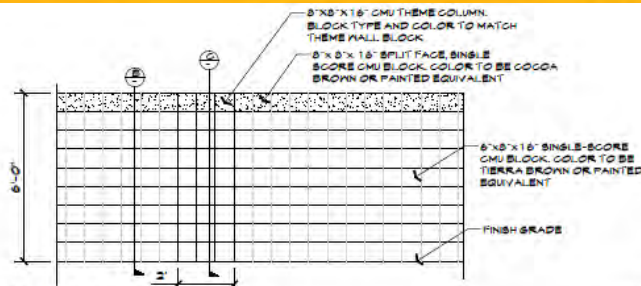
SCALE: 1"=100'-0"



WALLS AND SIGNAGE

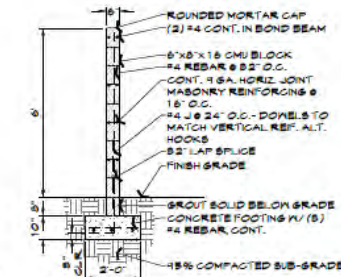


SURPRISE
ARIZONA



A THEME WALL & COLUMN ELEVATION

SCALE: 1/2"=1'-0"

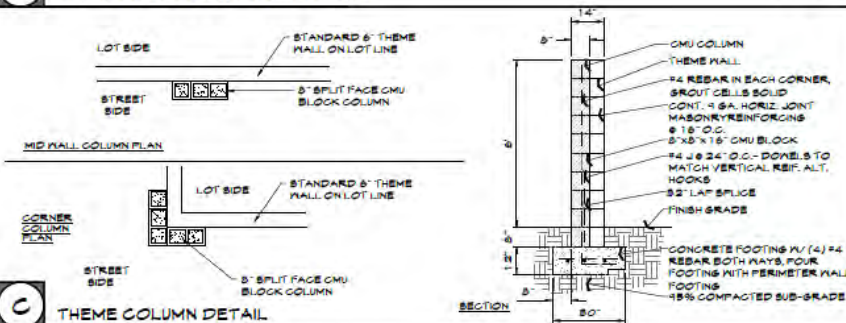


B THEME WALL DETAIL

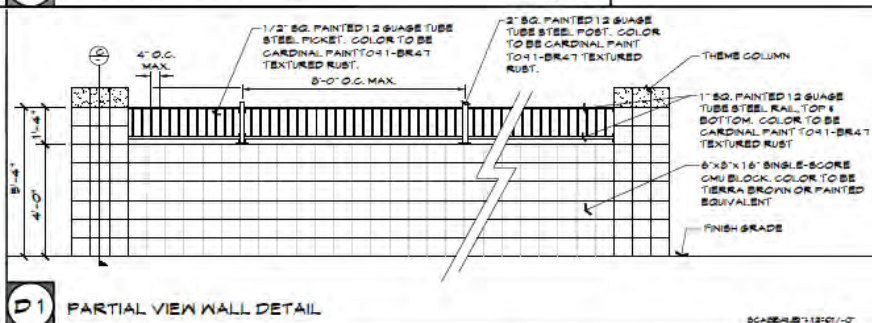
SCALE: 1/2"=1'-0"

SPECIAL NOTES (ALL DETAILS ON SHEET)

1. DETAILS FOR AESTHETIC/MATERIAL REFERENCE ONLY. STRUCTURAL DETAILS REQUIRED PRIOR TO CONSTRUCTION.
2. SIGN SHOWN FOR REFERENCE ONLY. SIGN REQUIRES A SEPARATE PERMIT.
3. SHOP DRAWINGS ARE REQUIRED PRIOR TO CONSTRUCTION.
4. ALL WROUGHT IRON TO BE PAINTED WITH EPOXY PRIMER AND THEN WITH URETHANE ELECTROSTATICALLY APPLIED. FINISH COAT AND COLOR TO MATCH SPECIFICATION.
5. ALL ALTERNATE OR EQUIVALENT SUBSTITUTIONS MUST BE APPROVED BY OWNER OR LANDSCAPE ARCHITECT.

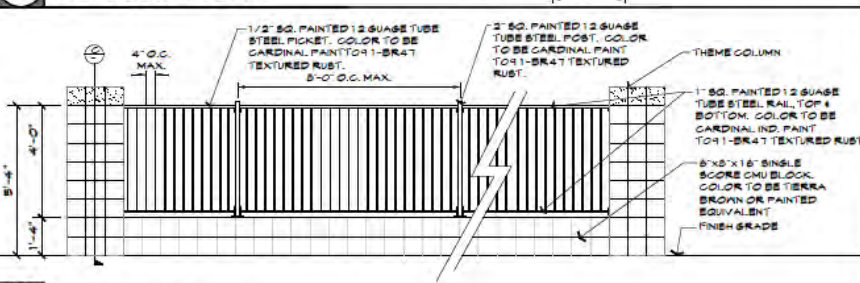


C THEME COLUMN DETAIL



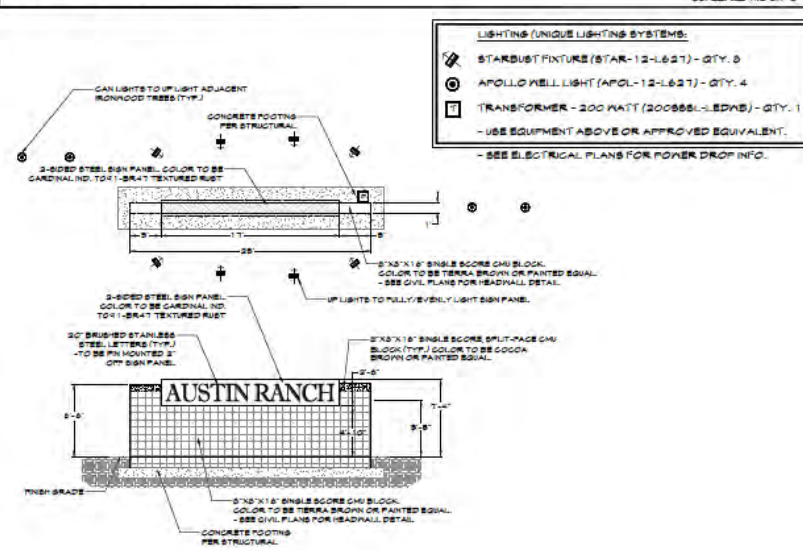
D1 PARTIAL VIEW WALL DETAIL

SCALE: 1/2"=1'-0"



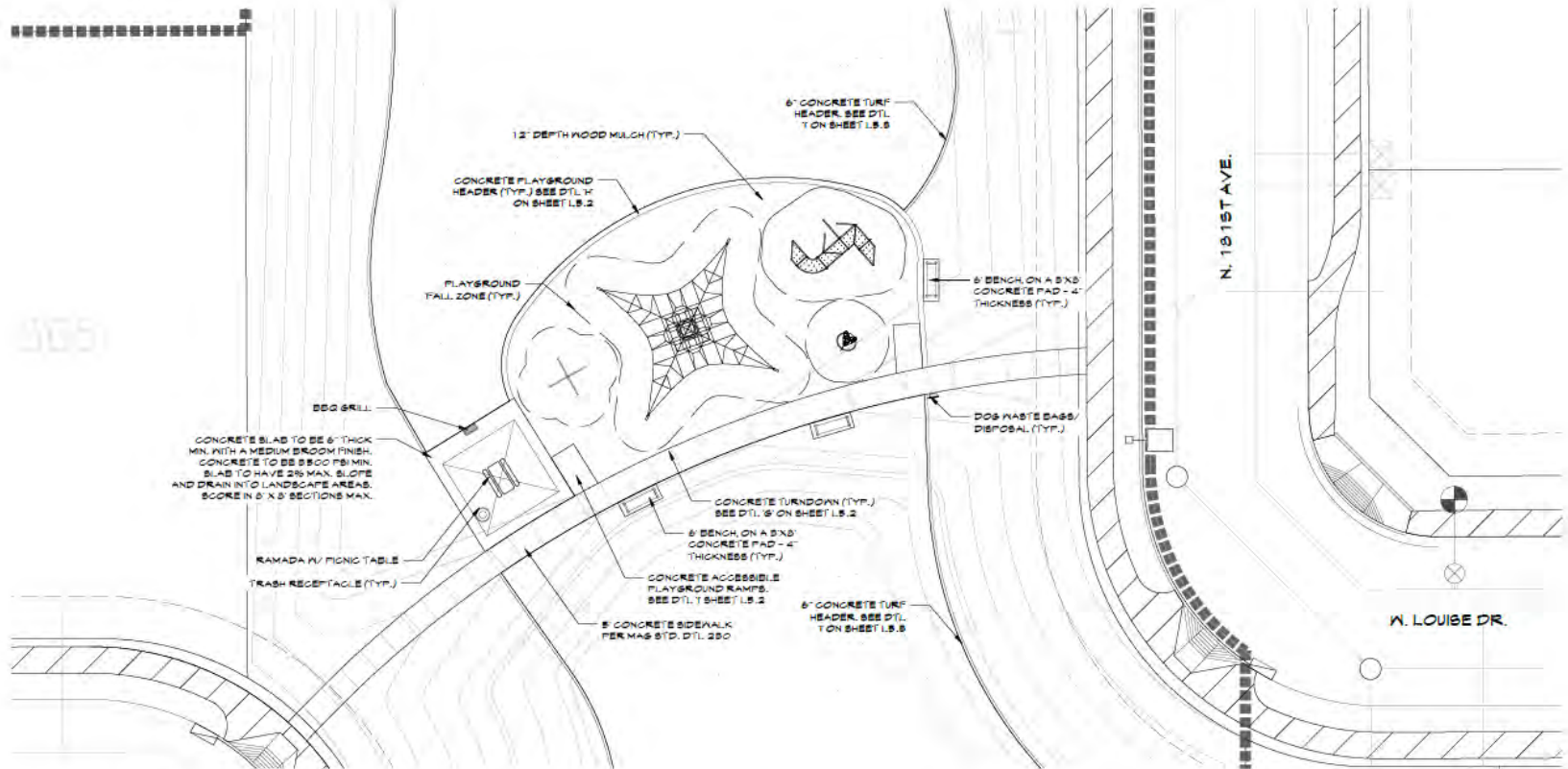
D2 VIEW WALL ELEVATION

SCALE: 1/2"=1'-0"



E SECONDARY THEME MONUMENT DETAIL

F SECONDARY ENTRANCE MONUMENT DETAIL



AMENITIES SCHEDULE

6' BENCH (QUANTITY: 5)

MANUFACTURER: KASBACH VALLEY
CONTACT: DAVE BANS ASSOCIATES - 480-842-2266
MODEL: CNA20 (P) - ADD MC104 TO EACH
COLOR TO BE GREEN
-SEE DETAIL 'C' ON SHEET L.S.2

TRASH RECEPTACLE (QUANTITY: 1)

MANUFACTURER: KASBACH VALLEY
CONTACT: DAVE BANS ASSOCIATES - 480-842-2266
MODEL: FLR300 (P) ADD FT100, LK110, & LK105 TO EACH
COLOR TO BE GREEN
-SEE DETAIL 'E' ON SHEET L.S.2

PICNIC TABLE (QUANTITY: 1)

MANUFACTURER: KASBACH VALLEY
CONTACT: DAVE BANS ASSOCIATES - 480-842-2266
MODEL: 56201 (P)
COLOR TO BE GREEN
-SEE DETAIL 'B' ON SHEET L.S.2

18' X 18' RAMADA (QUANTITY: 1)

MANUFACTURER: GLASSIC RECREATION SYSTEMS, INC.
CONTACT: ENERPLAY 1-800-457-8444
MODEL: ORLANDO
ROOF COLOR TO BE COOL FOREST GREEN
FRAME COLOR TO BE TERRA BROWN
-SEE DETAIL 'D' ON SHEET L.S.2

DOG GRILL (QUANTITY: 1)

MANUFACTURER: PM ATHLETICOMFG. CO
CONTACT: DAVE BANS ASSOCIATES - 480-842-2266
MODEL: 1140-00 (ADD 8808-00)
(TO BE IN GROUND MOUNTED)
-SEE DETAIL 'D' ON SHEET L.S.2

ENGINEERED WOOD FIBER

- 8.0 TO 8.0 FT AT 12" DEPTH MIN.
COLOR TO BE BROWN
- SEE DET. 'H' & 'I' ON SHEET L.S.2
NOTE: ANY RECOVERED/RECYCLED WOOD MULCH MUST COME FROM "PRE-CONSUMER" WOOD ONLY.

PLAY EQUIPMENT

MANUFACTURER: LANDSCAPE STRUCTURES
CONTACT: ENERPLAY 1-800-457-8444
PLAY EQUIPMENT (QTY) - ITEM DESCRIPTION - (PART #)
(1) - 7 PANEL MOBIUS CLIMBER (180687)
(1) - LUNAR SLAST NET CLIMBER (178184)
(1) - WEE PLANET CLIMBER (178178)
(1) - STARBURST CLIMBER (180426-4)
(1) - WELCOME SIGN (LBI PROVIDED) AGES 5-12 YRS.
DIRECT BURY

COLOR PALETTE: ALL EQUIPMENT TO BE PALETTE 'K'
COLOR 1: METALLIC SILVER COLOR 2: DENIM
COLOR 3: BRICK COLOR 4: BRICK

- INSTALL PER MANUFACTURER'S SPECIFICATIONS
- PLAYGROUND REPRESENTATIVE TO SUPPLY A SHOP DRAWING ILLUSTRATING COLOR PALETTE AND PLAYGROUND LAYOUT. SHOP DRAWING MUST HAVE OWNER/LANDSCAPE ARCHITECT APPROVAL PRIOR TO ORDERING/INSTALLATION.

N. 131ST AVE.

N. LOUISE DR.

MAILBOXES

MANUFACTURER: FLORENCE MANUFACTURING COMPANY
CONTACT: EXTERIOR SYSTEMS (480) 940-8404
PRODUCT: VITAL CLUSTER BOX UNITS
- COLOR TO BE DARK BRONZE
- SEE DETAIL 'A' ON SHEET L.S.2

- UNITS, UNIT QUANTITIES AND UNIT LOCATIONS MUST BE APPROVED BY USFS.

DOG WASTE BASIN/ DISPOSAL STATIONS (QUANTITY: 1)

MANUFACTURER: DOG-ON-IT PARKS
CONTACT: ENERPLAY 1-800-457-8444
PRODUCT: 74088 (COMPLETE WASTE STATION-ONEPUL)
- COLOR TO BE GREEN

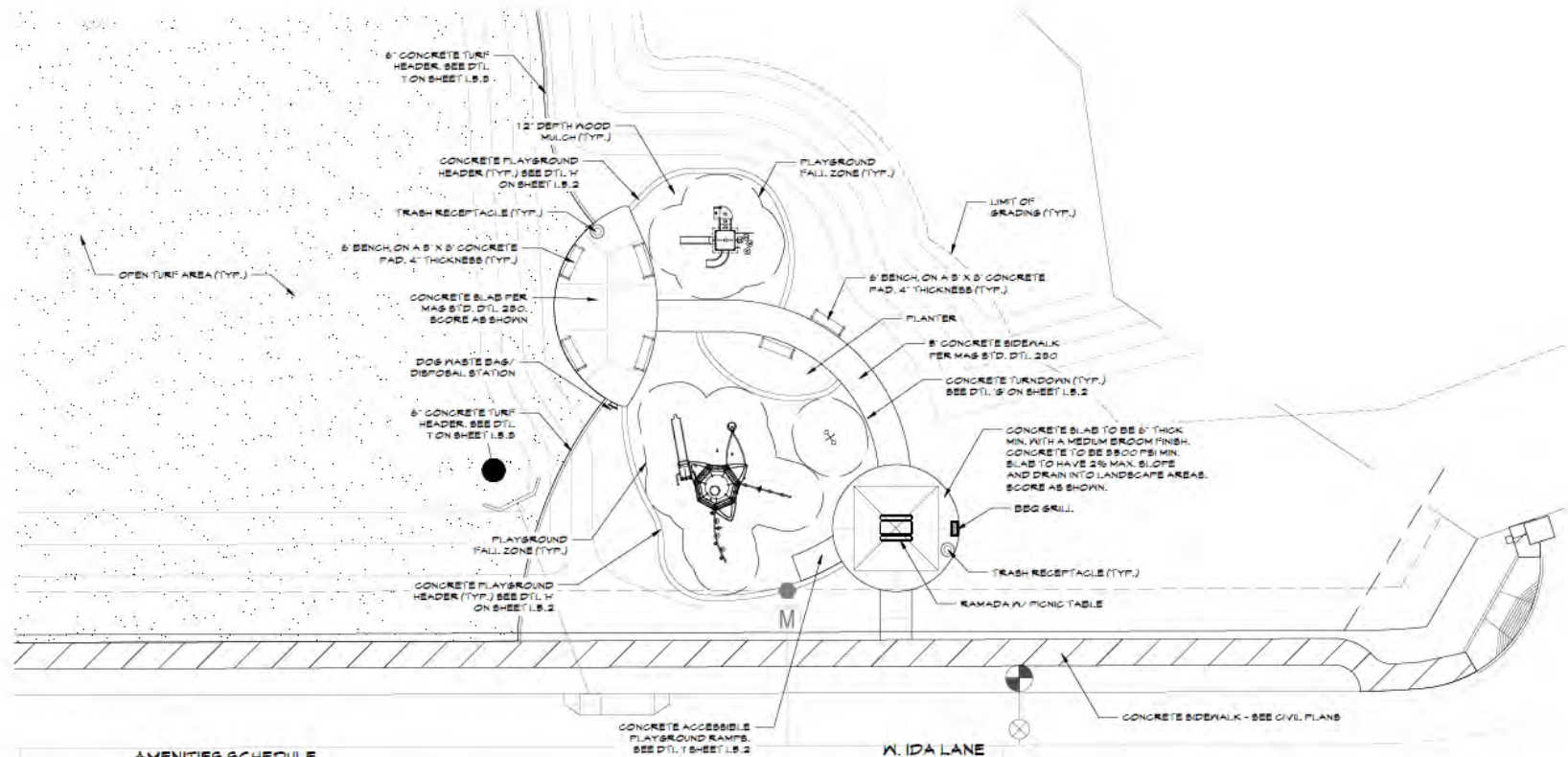
NOTE: AMENITIES AND QUANTITIES LISTED ON THIS SHEET REFLECT ONLY THE AMENITIES AND QUANTITIES SHOWN ABOVE. SEE AMENITIES SCHEDULE ON SHEET L.S.2 FOR ADDITIONAL AMENITY SPECIFICATIONS AND QUANTITIES FOR ITEMS NOT SHOWN ON EITHER ENLARGEMENT.

SCALE: 1"=10'-0"



NORTH





AMENITIES SCHEDULE

6' BENCH (QUANTITY: 6)

MANUFACTURER: KLABASH VALLEY
CONTACT: DAVE BANG ASSOCIATES - 480-842-2266
MODEL: CN420 (P) - ADD MC104 TO EACH
COLOR TO BE GREEN
-SEE DETAIL 'C' ON SHEET L.S.2

TRASH RECEPTACLE (QUANTITY: 2)

MANUFACTURER: KLABASH VALLEY
CONTACT: DAVE BANG ASSOCIATES - 480-842-2266
MODEL: LK800 (P) ADD FT100, LK810, & LK108 TO EACH
COLOR TO BE GREEN
-SEE DETAIL 'E' ON SHEET L.S.2

PICNIC TABLE (QUANTITY: 1)

MANUFACTURER: KLABASH VALLEY
CONTACT: DAVE BANG ASSOCIATES - 480-842-2266
MODEL: S5201 (P)
COLOR TO BE GREEN
-SEE DETAIL 'B' ON SHEET L.S.2

16' X 16' RAMADA (QUANTITY: 1)

MANUFACTURER: CLASSIC RESORT SYSTEMS, INC.
CONTACT: ENERPLAY 1-800-457-8444
MODEL: ORLANDO
ROOF COLOR TO BE COOL FOREST GREEN
FRAME COLOR TO BE TERRA BROWN
-SEE DETAIL 'F' ON SHEET L.S.2

DOG SKILL (QUANTITY: 1)

MANUFACTURER: PHILATHLON'S CO
CONTACT: DAVE BANG ASSOCIATES - 480-842-2266
MODEL: 1140-00 (ADD S808-00)
(TO BE IN GROUND MOUNTED)
-SEE DETAIL 'D' ON SHEET L.S.2

ENGINEERED WOOD HEADER

- 2,160 SQ.FT. AT 12" DEPTH MIN.
COLOR TO BE BROWN
-SEE DTLS 'H' & 'I' ON SHEET L.S.2
NOTE: ANY RECOVERED/RECYCLED WOOD MULCH
MUST COME FROM PRE-CONSUMER WOOD ONLY.

PLAY EQUIPMENT

MANUFACTURER: LANDSCAPE STRUCTURES
CONTACT: ENERPLAY 1-800-457-8444
PLAY EQUIPMENT: (QTY.) - ITEM DESCRIPTION - (PART #)
(1) - NET FLYER PLAYGROUND (REFERENCE DESIGN# S264)
(1) - DOUBLE BOBBLE RIDER (164018)
(1) - ASSE 2-5 PLAYGROUND (REFERENCE DESIGN# 176)
(1) - NELGOME SIGN (LS PROVIDED) ASSE 5-12 YRS.
DIRECT BURY

COLOR PALETTE: ALL EQUIPMENT TO BE PALETTE 'C'
COLOR 1: FINE GREEN COLOR 2: BROWN
COLOR 3: TAN COLOR 4: TAN

- INSTALL PER MANUFACTURER'S SPECIFICATIONS
- PLAYGROUND REPRESENTATIVE TO SUPPLY A SHOP
DRAWING ILLUSTRATING COLOR PALETTE AND
PLAYGROUND LAYOUT. SHOP DRAWINGS MUST
HAVE OWNER/LANDSCAPE ARCHITECT APPROVAL
PRIOR TO ORDERING/INSTALLATION.

MAILBOXES

MANUFACTURER: FLORENCE MANUFACTURING COMPANY
CONTACT: EXTERIOR SYSTEMS (480) 940-8904
PRODUCT: VITAL CLUSTER BOX UNITS
- COLOR TO BE DARK BRONZE
-SEE DETAIL 'A' ON SHEET L.S.2

- UNITS, UNIT QUANTITIES AND UNIT LOCATIONS MUST BE
APPROVED BY USPS.

DOG WASTE BAG/DISPOSAL STATIONS (QUANTITY: 1)

MANUFACTURER: DOG-ON-IT PARKS
CONTACT: ENERPLAY 1-800-457-8444
PRODUCT: 74088 (COMPLETE WASTE STATION-ONEPL)
- COLOR TO BE GREEN

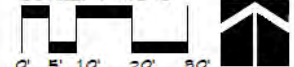
ADDITIONAL AMENITIES NOT SHOWN ON AN ENLARGEMENT

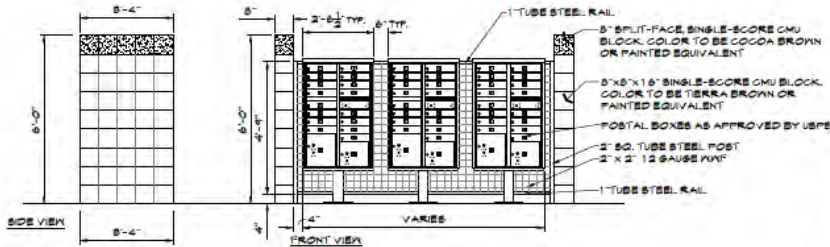
- THERE IS (1) ADDITIONAL BENCH PER THE SPECIFICATION ABOVE THAT IS NOT SHOWN ON AN ENLARGEMENT. SEE
LANDSCAPE PLAN SHEET L.1.4 FOR LOCATION.

- THERE ARE (8) ADDITIONAL PET WASTE BAG/DISPOSAL STATIONS PER THE SPECIFICATION ABOVE. SEE LANDSCAPE
PLAN SHEETS L.1.4 AND L.1.8 FOR LOCATIONS.

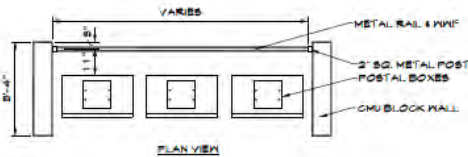
NOTE: AMENITIES AND QUANTITIES LISTED ON THIS SHEET
REFLECT ONLY THE AMENITIES AND QUANTITIES SHOWN
ABOVE, AND THE ADDITIONAL MATERIALS AND
QUANTITIES LISTED TO THE LEFT THAT ARE NOT SHOWN ON AN
AMENITIES ENLARGEMENT. SEE AMENITIES SCHEDULE ON SHEET
L.1.1 FOR INFORMATION ON THE OTHER AMENITIES AREA.

SCALE: 1"=10'-0"



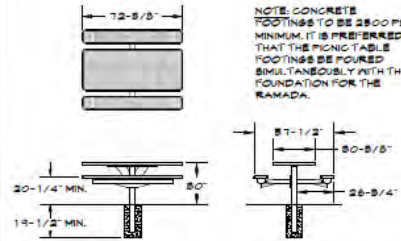


ALL STEEL TO BE CARDINAL INDUSTRIES
COLOR TEXTURED RUST (T011-SR47).



A MAILBOX DETAIL

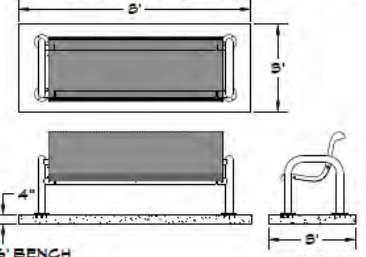
SCALE: 1/4"=1'-0"



B PICNIC TABLE

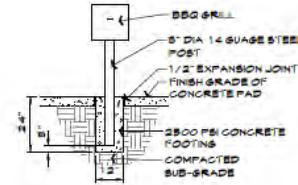
SCALE: NTS

NOTE: SURFACE MOUNT THE BENCH BY CORE DRILLING SLABS AND SETTING 1/2" ANCHOR BOLTS WITH NON-SHINK GROUT. SLABS TO BE STANDARD 4" THICK CONCRETE AT 2800 PSI MIN.



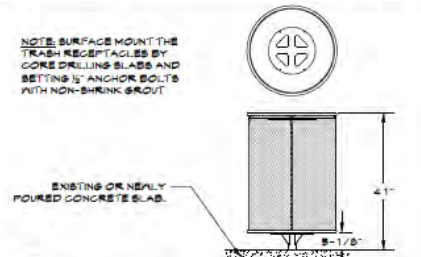
C 6' BENCH

SCALE: NTS



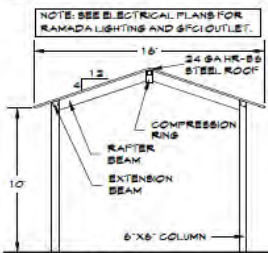
D BBQ GRILL

SCALE: 1/4"=1'-0"

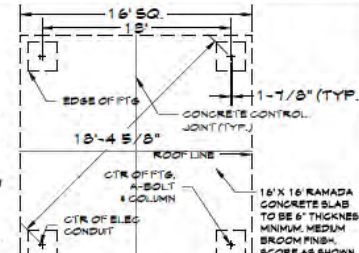
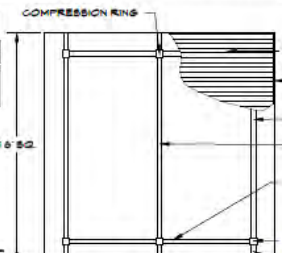
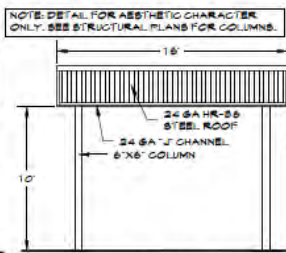


E TRASH RECEPTACLE

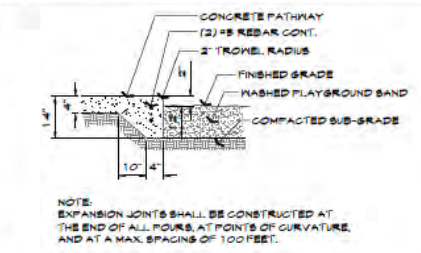
SCALE: NTS



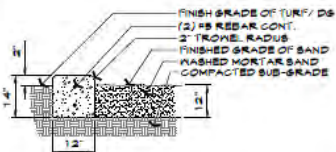
F 16' X 16' ORLANDO RAMADA (NOT FOR CONSTRUCTION)



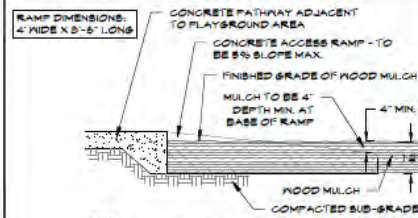
G CONCRETE PLAYGROUND TURNDOWN



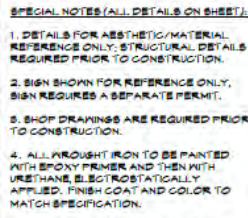
SCALE: NTS



H CONCRETE PLAYGROUND HEADER



I CONCRETE PLAYGROUND RAMP



J NOTES

SPECIAL NOTES (ALL DETAILS ON SHEET):

1. DETAILS FOR AESTHETIC/MATERIAL REFERENCE ONLY; STRUCTURAL DETAILS REQUIRED PRIOR TO CONSTRUCTION.
2. SIGN SHOWN FOR REFERENCE ONLY. SIGN REQUIRES A SEPARATE PERMIT.
3. SHOP DRAWINGS ARE REQUIRED PRIOR TO CONSTRUCTION.
4. ALL WROUGHT IRON TO BE PAINTED WITH EPOXY PRIMER AND THEN WITH URETHANE, ELECTROSTATICALLY APPLIED. FINISH COAT AND COLOR TO MATCH SPECIFICATION.
5. ALL ALTERNATE OR EQUIVALENT SUBSTITUTIONS MUST BE APPROVED BY OWNER OR LANDSCAPE ARCHITECT.

Questions or Comments?

STATE OF ARIZONA)
) SS

OWNER HEREBY DEDICATES AND CONVEYS TRACTS 'A' THROUGH 'G2', 'I' THROUGH 'K2', 'M' THROUGH 'O' AND 'AL' TO THE AUSTIN RANCH WEST HOMEOWNERS ASSOCIATION.

OWNER HEREBY GRANTS TO THE PUBLIC A NON-EXCLUSIVE EASEMENT OVER,
UPON AND ACROSS THE AREAS DESIGNATED AS PUBLIC UTILITY EASEMENTS AS SHOWN
ON THE PLAT FOR THE PURPOSE OF INSTALLING, CONSTRUCTING, MAINTAINING, REPAIRING,
REPLACING AND UTILIZING PUBLIC UTILITIES.

OWNER HEREBY GRANTS TO THE CITY OF SURPRISE AN ODOOR EASEMENT OVER, UPON AND ACROSS THIS PLAT AND EVERY LOT AND PARCEL THEREOF, WHICH EASEMENT SHALL INCLUDE, BUT NOT BE LIMITED TO, THE RIGHT TO INVADE WITH ODORS, FUMES, SMELLS, AND PHYSICAL AIRBORNE PARTICULATES CAUSED BY THE OPERATION OF AND MAINTENANCE OF THE CITY'S WATER RECLAMATION FACILITIES.

OWNER HEREBY GRANTS TO THE CITY OF SURPRISE A PERPETUAL NON-EXCLUSIVE PEDESTRIAN ACCESS AND SIDEWALK CONSTRUCTION AND MAINTENANCE EASEMENT OVER, UPON AND ACROSS THE AREAS DESIGNATED AS SIDEWALK EASEMENT AS SHOWN ON THE PLAT.

THE CITY OF SURPRISE AGREES TO INDEMNIFY AUSTIN RANCH, ITS OFFICERS, EMPLOYEES, AGENTS, CONTRACTORS OR THOSE OF AND ITS SUCCESSORS AND ASSIGNS FOR ANY AND ALL DIRECT DAMAGES TO THE PERSONAL PROPERTY OR FOR PHYSICAL INJURY TO OR DEATH OF PERSONS OCCURRING ON THE AREA OF THIS EASEMENT CAUSED BY OR ARISING AS A DIRECT DAMAGE RESULTING FROM THE ACTIVITIES OF THE CITY OF SURPRISE MEMBERS OF THE PUBLIC WHO PURSUANT TO THE TERMS OF THIS EASEMENT, ACCEPT FOR EACH INCH OR OUNCE OF DAMAGES CAUSED BY OR ARISING SOLE FROM THE WILLFUL, MALICIOUS OR GROSSLY NEGLIGENT CONDUCT OF AUSTIN RANCH, ITS OFFICERS, EMPLOYEES, AGENTS, CONTRACTORS OR THOSE OF ITS SUCCESSORS AND ASSIGNS THAT WAS THE DIRECT CAUSE OF THE INJURY TO THE USER.

LANDSCAPING MAINTENANCE WITHIN THE MEDIANS WITHIN THE PUBLIC RIGHT-OF-WAY WITHIN ANY ARTERIAL OR PARKWAY STREET CLASSIFICATION SHALL BE RESPONSIBILITY OF THE CITY OF SURPRISE AFTER ACCEPTANCE.

THE EASEMENTS GRANTED WITHIN THIS DEDICATION ARE PERMANENT AND PERPETUAL AND SHALL RUN WITH THE LAND AND BE BINDING UPON OWNER AND ITS HEIRS, ASSIGNS, AND SUCCESSORS IN INTEREST TO THIS PLAT OR ANY PARCEL OR LOT THEREOF.

IN WITNESS WHEREOF, THE OWNER HAS HEREUNTO CAUSED ITS CORPORATE NAME
TO BE SIGNED AND ITS CORPORATE SEAL TO BE AFFIXED BY THE UNDERSIGNED, DULY
AUTHORIZED OFFICER.

AUSTIN RANCH, LLC., AN ARIZONA LIMITED LIABILITY COMPANY

THIS THE _____ DAY OF _____, 20__.

BY: _____

A SUBDIVISION OF A PART OF SECTION 15 TOWNSHIP 4 NORTH, RANGE 2 WEST,
OF THE GILA AND SALT RIVER BASE AND MERIDIAN,
MARICOPA COUNTY, ARIZONA

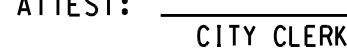


TOTAL LOTS = 420
EXISTING ZONING: P.A.D.
FIRM MAP #04013C1205L
FIRM MAP #04013C1215L
OCTOBER 16, 2013

BY: _____
NOTARY PUBLIC _____ DATE _____
COMMISSION EXPIRES _____

COMMISSION EXPIRES _____

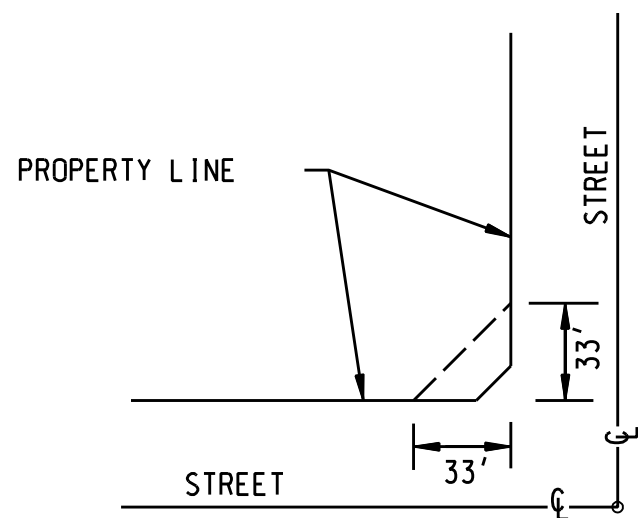
BY: _____
MICHAEL J. THOLL
REGISTERED LAND SURVEYOR
REGISTRATION # 22283
SAGE LAND SURVEYING



Sage Land Surveying
5014 E. Oneida Street
PHOENIX, ARIZONA 85044
(480) 270-1538

AUSTIN RANCH WEST

PARCEL 1



1 VISIBILITY TRIANGLE DETAIL
NOT TO SCALE

ANY OBJECT, WALL, STRUCTURE, MOUND OR LANDSCAPING (MATURE OVER 24" IN HEIGHT IS NOT ALLOWED WITHIN THE VISIBILITY EASEMENT. TREE CANOPIES OVERHANGING THE EASEMENT, SHALL BE KEPT TRIMMED TO THE HEIGHT NO LESS THAN 7'.

TRACT INFORMATION CHART		
TRACT	DESCRIPTION	AREA
A	DRAINAGE / LANDSCAPING / P.U.E.	1.67 AC
B	DRAINAGE / LANDSCAPING / P.U.E.	0.31 AC
C	DRAINAGE / LANDSCAPING / P.U.E.	0.94 AC
D	DRAINAGE / LANDSCAPING / P.U.E.	0.58 AC
E	DRAINAGE / LANDSCAPING / P.U.E.	0.39 AC
F	DRAINAGE / LANDSCAPING / P.U.E.	2.53 AC
G1	DRAINAGE / LANDSCAPING / P.U.E.	1.47 AC
G2	DRAINAGE / LANDSCAPING / P.U.E.	0.42 AC
I	LANDSCAPING / P.U.E.	0.19 AC
J	LANDSCAPING	0.05 AC
K1	DRAINAGE / LANDSCAPING / P.U.E.	0.11 AC
K2	DRAINAGE / LANDSCAPING / P.U.E.	0.99 AC
M	DRAINAGE / LANDSCAPING / P.U.E.	0.24 AC
N	DRAINAGE / LANDSCAPING / P.U.E.	3.12 AC
O1	DRAINAGE / LANDSCAPING / P.U.E.	3.52 AC
O2	DRAINAGE / LANDSCAPING / P.U.E.	2.09 AC
O3	DRAINAGE / LANDSCAPING / P.U.E.	1.30 AC
P	DRAINAGE / LANDSCAPING / P.U.E.	0.29 AC
Q	DRAINAGE / LANDSCAPING / P.U.E.	0.86 AC
AL	DRAINAGE / LANDSCAPING / P.U.E.	0.24 AC
	TOTAL TRACT AREA	21.31 AC

LEGAL DESCRIPTION OF
AUSTIN RANCH - PARCEL 1
BEING A PART OF SECTION 15, TOWNSHIP 4 NORTH, RANGE 2 WEST OF THE
GILA AND SALTRIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA,
MORE PARTICULARLY DESCRIBED AS FOLLOWS:
BEGINNING AT THE SOUTHEAST CORNER OF SAID SECTION 15;
THENCE S 89°57'47" W, COINCIDENT WITH THE SOUTH LINE OF THE
SOUTHEAST QUARTER OF SAID SECTION 15, A DISTANCE OF 2051.97 FEET;
THENCE N 00°10'51" W, A DISTANCE OF 187.27 FEET;
THENCE N 64°03'54" W, A DISTANCE OF 42.58 FEET;
THENCE N 00°10'51" W, A DISTANCE OF 232.05 FEET;
THENCE S 89°49'09" W, A DISTANCE OF 276.66 FEET TO A POINT OF CURVATURE;
THENCE ALONG A CURVE ON AN ARC TO THE RIGHT, HAVING A
RADIUS OF 152.50 FEET, THROUGH A CENTRAL ANGLE OF 19°25'26", A
DISTANCE OF 51.70 FEET TO A POINT OF TANGENCY;
THENCE N 70°45'25" W, A DISTANCE OF 100.73 FEET TO A POINT OF CURVATURE;
THENCE ALONG A CURVE ON AN ARC TO THE LEFT, HAVING A
RADIUS OF 97.50 FEET, THROUGH A CENTRAL ANGLE OF 18°15'23", A
DISTANCE OF 31.07 FEET TO A POINT OF TANGENCY;
THENCE N 89°00'49" W, A DISTANCE OF 39.44 FEET;
THENCE N 00°10'51" W, A DISTANCE OF 55.01 FEET;
THENCE N 44°35'50" W, A DISTANCE OF 28.24 FEET;
THENCE N 00°10'51" W, A DISTANCE OF 751.75 FEET;
THENCE S 89°55'14" W, A DISTANCE OF 80.00 FEET;
THENCE N 00°10'51" W, A DISTANCE OF 249.42 FEET;
THENCE N 45°10'51" W, A DISTANCE OF 28.28 FEET;
THENCE N 00°10'51" W, A DISTANCE OF 55.00 FEET;
THENCE N 44°49'09" E, A DISTANCE OF 28.28 FEET;
THENCE N 00°10'51" W, A DISTANCE OF 8.34 FEET TO A POINT OF CURVATURE;
THENCE ALONG A CURVE ON AN ARC TO THE RIGHT, HAVING A
RADIUS OF 390.00 FEET, THROUGH A CENTRAL ANGLE OF 08°40'58", A
DISTANCE OF 59.10 FEET TO A POINT OF TANGENCY;
THENCE N 08°30'07" E, A DISTANCE OF 191.95 FEET TO A POINT OF CURVATURE;
THENCE ALONG A CURVE ON AN ARC TO THE LEFT, HAVING A
RADIUS OF 310.00 FEET, THROUGH A CENTRAL ANGLE OF 08°40'58", A
DISTANCE OF 46.98 FEET TO A POINT OF TANGENCY;
THENCE N 00°10'51" W, A DISTANCE OF 7.68 FEET;
THENCE N 89°54'22" W, A DISTANCE OF 3.00 FEET TO A POINT ON THE
NORTH-SOUTH MID-SECTION LINE OF SAID SECTION 15;
THENCE N 00°10'51" W, COINCIDENT WITH SAID MID-SECTION LINE,
A DISTANCE OF 655.70 FEET;
THENCE N 89°49'09" E, A DISTANCE OF 77.00 FEET;
THENCE N 00°10'51" W, A DISTANCE OF 7.80 FEET TO A POINT OF CURVATURE;
THENCE ALONG A CURVE ON AN ARC TO THE LEFT, HAVING A
RADIUS OF 390.00 FEET, THROUGH A CENTRAL ANGLE OF 08°04'00", A
DISTANCE OF 54.91 FEET TO A POINT OF TANGENCY;
THENCE N 08°14'50" W, A DISTANCE OF 44.50 FEET;
THENCE S 79°29'05" E, A DISTANCE OF 525.23 FEET;
THENCE S 65°59'47" E, A DISTANCE OF 809.51 FEET;
THENCE S 33°48'39" E, A DISTANCE OF 1125.90 FEET;
THENCE S 47°11'58" E, A DISTANCE OF 242.68 FEET;
THENCE S 08°20'08" E, A DISTANCE OF 43.76 FEET;
THENCE S 56°12'41" E, A DISTANCE OF 82.73 FEET;
THENCE N 70°29'40" E, A DISTANCE OF 55.00 FEET TO A POINT ON A
NON-TANGENT CURVE FROM WHICH POINT THE CENTER BEARS
N 70°29'40" E AT A DISTANCE OF 372.50 FEET;
THENCE WITH THE ARC OF SAID NON-TANGENT CURVE TO THE RIGHT,
HAVING A RADIUS OF 372.50 FEET, THROUGH A CENTRAL ANGLE OF 25°20'38",
A DISTANCE OF 164.77 FEET TO A POINT OF TANGENCY;
THENCE S 44°50'59" E, A DISTANCE OF 349.81 FEET TO A POINT OF
CURVATURE;
THENCE ALONG A CURVE ON AN ARC TO THE RIGHT, HAVING A RADIUS OF
345.84 FEET, THROUGH A CENTRAL ANGLE OF 16°53'25", AN ARC DISTANCE OF
101.95 FEET TO A POINT ON THE EAST LINE OF THE SOUTHEAST QUARTER OF
SAID SECTION 15;
THENCE S 00°12'48" E, COINCIDENT WITH THE EAST LINE OF THE
SOUTHEAST QUARTER OF SAID SECTION 15, A DISTANCE OF 664.27
FEET TO THE TRUE POINT OF BEGINNING;
CONTAINING IN AREA 4,977,894 SQUARE FEET OR 114.278 ACRES
MORE OR LESS.

NOTES:

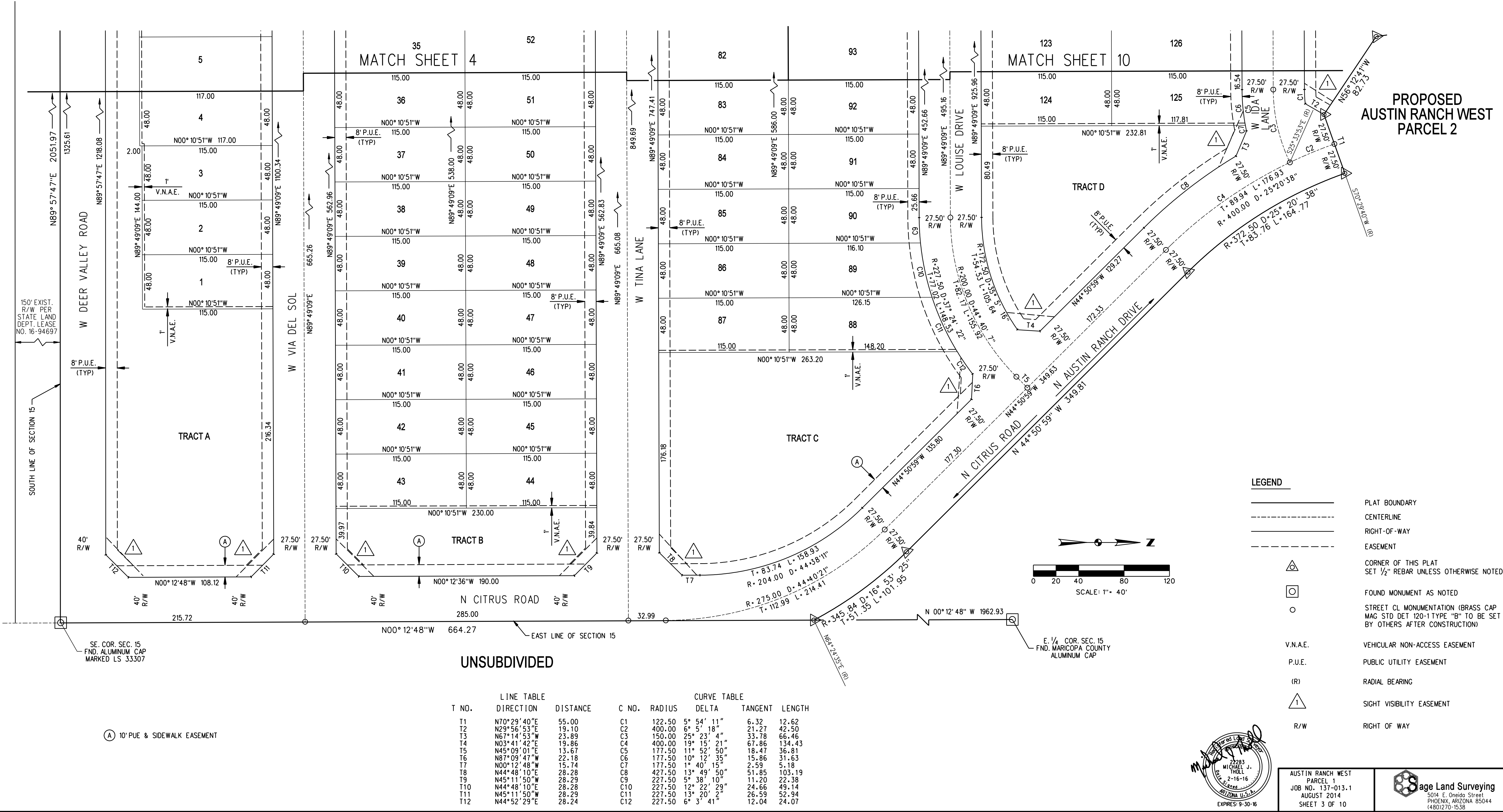
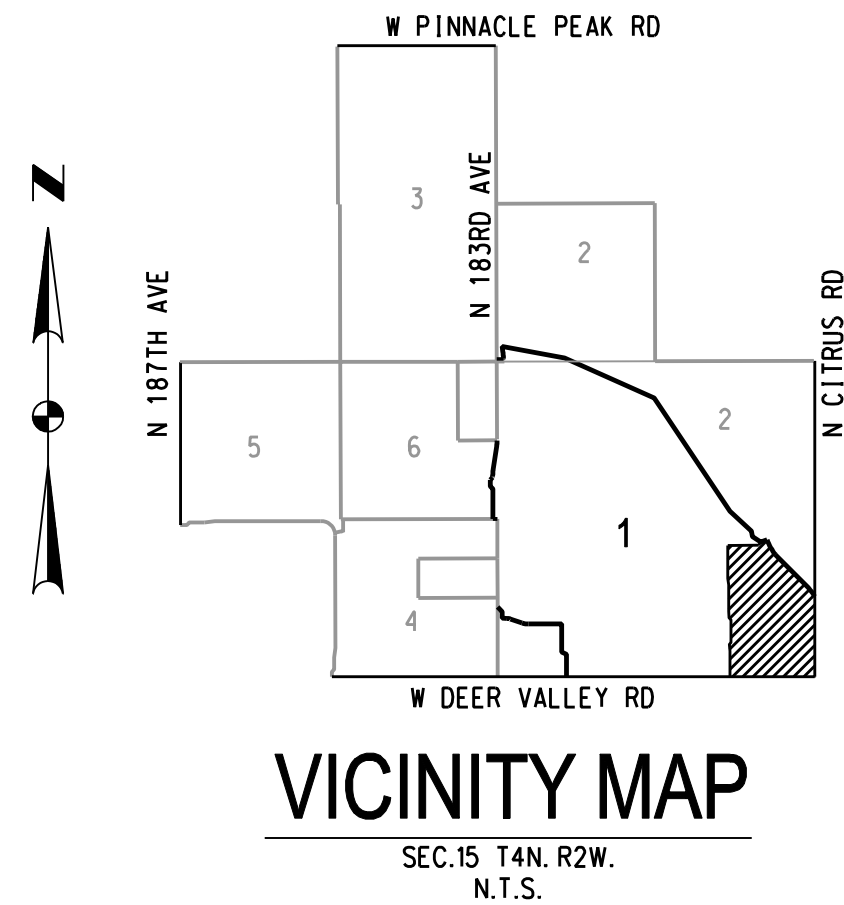
- NO STRUCTURES OF ANY KIND MAY BE CONSTRUCTED OR ANY
VEGETATION BE PLANTED NOR BE ALLOWED TO GROW WITHIN THE
DRAINAGE EASEMENT WHICH WOULD IMPEDE THE FLOW OF WATER
OVER, UNDER OR THROUGH THE EASEMENT.
- NO STRUCTURE OF ANY KIND SHALL BE CONSTRUCTED ON, OVER OR
PLACED WITHIN THE SEWER AND WATER EASEMENT EXCEPT WOOD, WIRE,
OR REMOVABLE SECTION TYPE FENCING AND/OR PAVING, NOR ANY
PLANTING EXCEPT GRASS. IT SHALL BE FURTHER UNDERSTOOD THAT THE
CITY OF SURPRISE ("CITY") SHALL NOT BE REQUIRED TO REPLACE ANY
OBSTRUCTIONS, SHRUBS AND GROUND COVER THAT MUST BE REMOVED
DURING THE COURSE OF MAINTENANCE, CONSTRUCTION OR RECONSTRUCTION
OF CITY UTILITIES.
- CONSTRUCTION WITHIN UTILITY EASEMENTS SHALL BE LIMITED TO
UTILITIES, WOOD, WIRE, OR REMOVABLE SECTION TYPE FENCING.
- ALL NEW OR RELOCATED UTILITIES WILL BE PLACED UNDERGROUND.
- STRUCTURES AND LANDSCAPING AT ALL INTERSECTIONS OF STREET
RIGHTS-OF-WAY WILL BE MAINTAINED AT A MAXIMUM OF 2' IN HEIGHT
WITHIN A 33' X 33' TRIANGLE MEASURED ALONG THE RIGHT-OF-WAY LINES.
- EACH LOT IN THIS SUBDIVISION IS PERMITTED ONE DWELLING UNIT
PER LOT.
- ALL EASEMENTS ARE SUBORDINATE TO THE DRAINAGE EASEMENTS.
- THE PROPERTY IS LOCATED WITHIN AN AREA HAVING FLOOD ZONE "X"
AND ZONE "A", BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, ON
FLOOD INSURANCE RATE MAP NO. 04013C1205L AND 04013C1215L, WITH A
DATE OF IDENTIFICATION OF OCTOBER 16, 2013, FOR COMMUNITY
NO. 040053, IN MARICOPA COUNTY, STATE OF ARIZONA, WHICH IS THE
CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH
SAID PROPERTY IS SITUATED.
- THE PROPERTY OWNERS, OR ANY SUBSEQUENT OWNERS SHALL NOT
PROCEED WITH ANY ON SITE GRADING OR EXCAVATION WITHOUT FIRST
OBTAINING A PERMIT FROM THE CITY OF SURPRISE ENGINEERING
DEPARTMENT.
- PURSUANT TO A.R.S. § 42-11102, THE CITY OF SURPRISE, A POLITICAL
SUBDIVISION OF THE STATE OF ARIZONA, IS EXEMPT FROM ALL TAXES
AND ASSESSMENTS BASED ON ASSESSED VALUE EXCEPT FOR SPECIAL
DISTRICTS #14751 AND 14710, WHEN APPLICABLE.
- IN ACCORDANCE WITH ARS § 9-461.07, THE CITY OF SURPRISE HAS DETERMINED
THAT ALL DEDICATIONS OCCURRING WITH THIS PLAT ARE IN CONFORMANCE
WITH THE SURPRISE GENERAL PLAN.



AUSTIN RANCH WEST
PARCEL 1
JOB NO. 137-013.1
AUGUST 2014
SHEET 2 OF 10

 Age Land Surveying
5014 E. Oneida Street
PHOENIX, ARIZONA 85044
(480)270-1538

AUSTIN RANCH WEST PARCEL 1



W PINNACLE PEAK RD

N 183RD AVE

N 18TH AVE

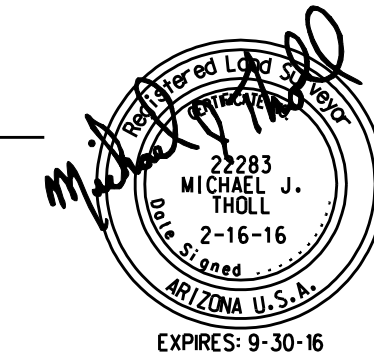
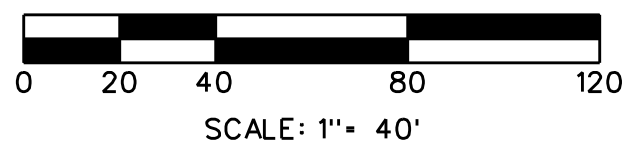
N CITRUS RD

N DEER VALLEY RD

VICINITY MAP

SEC.15 T4N. R2W.
N.T.S.

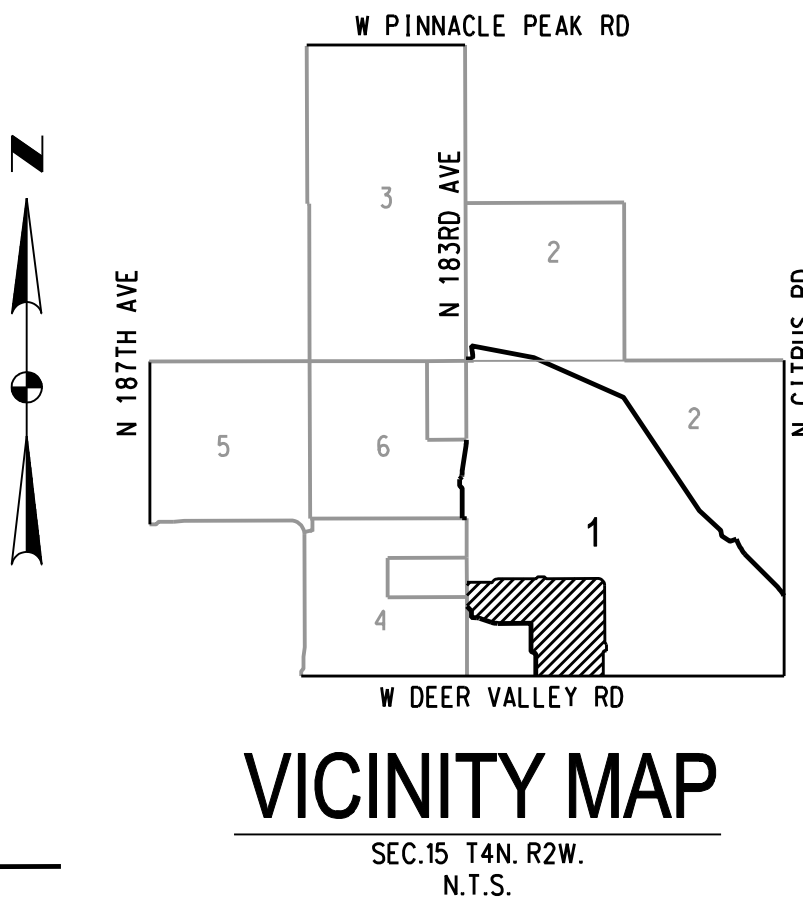
This is a detailed plat map of a portion of Section 15, Township 28N, Range 10E. The map shows several tracts of land, including Tract A, Tract F, Tract G1, and Tract G2. The map is divided into lots, with lot numbers ranging from 5 to 82. The map includes street names: W Tina Lane, N 180th Avenue, W Via Del Sol, and W Deer Valley Road. The map also shows match sheets 5, 10, and 3. The map includes a legend for symbols: a triangle for easement, a circle for easement, and a square for easement. The map also shows the South Line of Section 15 and the 150' Easement R/W Per State Land Dept. Lease No. 16-94697.



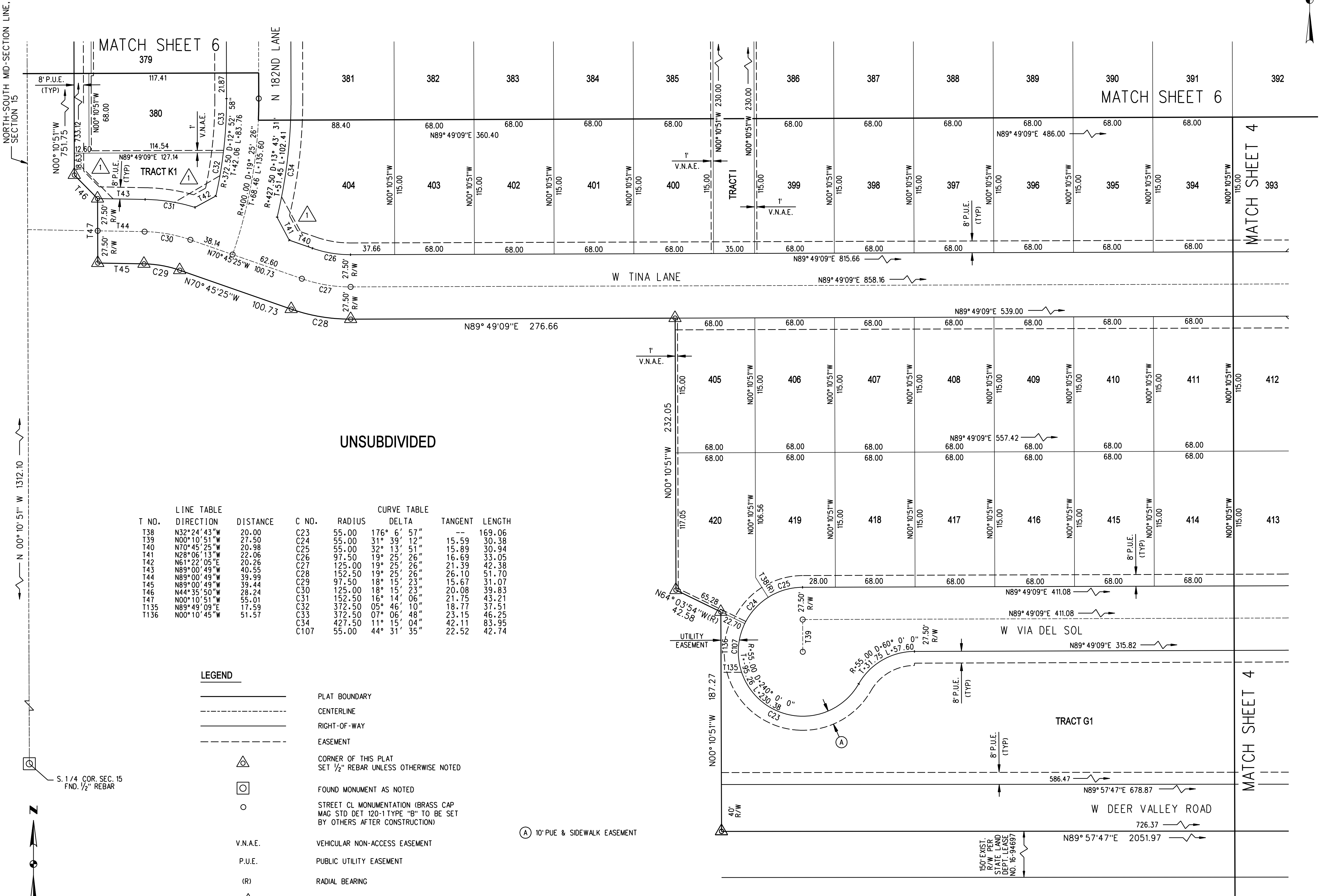
AUSTIN RANCH WEST
PARCEL 1
JOB NO. 137-013.1
AUGUST 2014
SHEET 4 OF 10



AUSTIN RANCH WEST
PARCEL 1



PROPOSED AUSTIN RANCH WEST
PARCEL 4

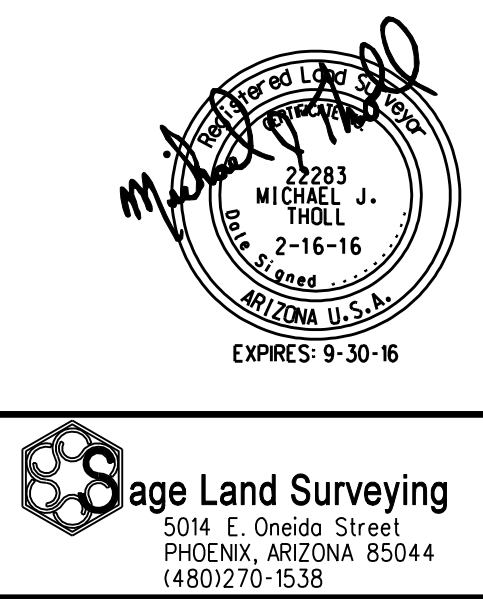


LINE TABLE				CURVE TABLE			
T NO.	DIRECTION	DISTANCE	C NO.	RADIUS	DELTA	TANGENT	LENGTH
T38	N32°24'43"W	20.00	C23	55.00	176° 6' 57"	--	169.06
T39	N00°10'51"W	27.50	C24	55.00	31° 39' 12"	15.59	30.38
T40	N70°45'25"W	20.98	C25	55.00	32° 13' 51"	15.89	30.94
T41	N28°06'13"W	22.06	C26	97.50	19° 25' 26"	16.69	33.05
T42	N61°22'05"E	20.26	C27	125.00	19° 25' 26"	21.39	42.38
T43	N89°00'49"W	40.55	C28	152.50	19° 25' 26"	26.10	51.70
T44	N89°00'49"W	39.99	C29	97.50	18° 15' 23"	15.67	31.07
T45	N89°00'49"W	39.44	C30	125.00	18° 15' 23"	20.08	39.83
T46	N44°35'50"W	28.24	C31	152.50	16° 14' 06"	21.75	43.21
T47	N00°10'51"W	55.01	C32	372.50	05° 46' 10"	18.77	37.51
T135	N89°49'09"E	17.59	C33	372.50	07° 06' 48"	23.15	46.25
T136	N00°10'45"W	51.57	C34	427.50	11° 15' 04"	42.11	83.95
			C107	55.00	44° 31' 35"	22.52	42.74

LEGEND

- PLAT BOUNDARY
- CENTERLINE
- RIGHT-OF-WAY
- EASEMENT
- CORNER OF THIS PLAT
SET 1/2" REBAR UNLESS OTHERWISE NOTED
- FOUND MONUMENT AS NOTED
- STREET CL MONUMENTATION (BRASS CAP
MAG STD DET 120-1 TYPE "B" TO BE SET
BY OTHERS AFTER CONSTRUCTION)
- VEHICULAR NON-ACCESS EASEMENT
- PUBLIC UTILITY EASEMENT
- RADIAL BEARING
- SIGHT VISIBILITY EASEMENT
- RIGHT OF WAY

AUSTIN RANCH WEST
PARCEL 1
JOB NO. 137-013.1
AUGUST 2014
SHEET 5 OF 10



PROPOSED AUSTIN RANCH WEST PARCEL 6

PROPOSED AUSTIN RANCH WEST
PARCEL 4

NORTH-SOUTH MID-SECTION LINE,
SECTION 15

MATCH SHEET 7

MATCH SHEET 7

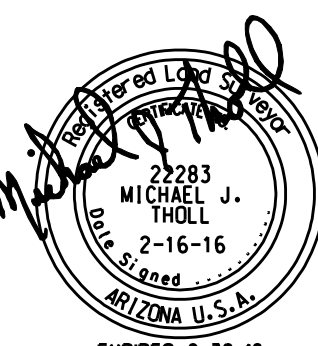
MATCH SHEET 9

VICINITY MAP

(PARCELS 1 THROUGH 6)
SEC. 15 T4N. R2W.
N.T.S.

LINE TABLE			
T NO.	DIRECTION	DISTANCE	
T48	N40°04'48"W	24.94	
T49	N44°49'08"E	21.21	
T50	N45°10'51"W	21.21	
T51	N45°10'51"W	21.21	
T52	N45°10'51"W	21.21	
T53	N44°49'09"E	21.21	
T54	N39°53'03"E	20.00	
T55	N45°10'51"W	23.01	
T56	N89°49'08"E	21.21	
T57	N45°10'51"W	21.21	
T58	N44°49'09"E	21.21	
T59	N44°49'09"E	21.21	
T60	N45°10'51"W	21.21	
T61	N44°49'09"E	21.21	

CURVE TABLE				
C NO.	RADIUS	DELTA	TANGENT	LENGTH
C35	427.50	2° 28' 26"	9.23	18.46
C36	55.00	50° 6' 3"	25.71	48.09
C37	55.00	39° 53' 57"	19.96	38.30
C38	55.00	59° 43' 41"	31.58	57.33
C39	55.00	30° 16' 16"	14.88	29.06
C40	227.50	2° 59' 27"	5.94	11.88
C41	55.00	40° 3' 54"	20.05	38.46
C42	55.00	28° 3' 54"	11.14	21.98
C43	55.00	27° 2' 8"	13.22	25.95



AUSTIN RANCH WEST
PARCEL 1
JOB NO. 137-013.1
AUGUST 2014
SHEET 6 OF 10

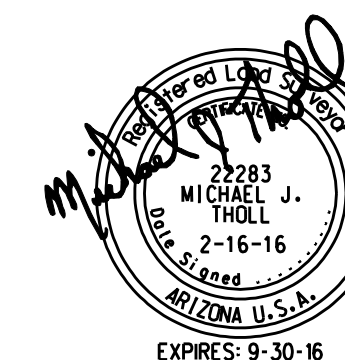
Age Land Surveying
5014 E. Oneida Street
PHOENIX, ARIZONA 85044
(480)270-1538

SEC.15 T4N. R2W.
N.T.S.

	PLAT BOUNDARY
	CENTERLINE
	RIGHT-OF-WAY
	EASEMENT
	CORNER OF THIS PLAT SET 1/2" REBAR UNLESS OTHERWISE NOTED
	FOUND MONUMENT AS NOTED
	STREET CL MONUMENTATION (BRASS CAP MAG STD DET 120-1 TYPE "B" TO BE SET BY OTHERS AFTER CONSTRUCTION)
V.N.A.E.	VEHICULAR NON-ACCESS EASEMENT
P.U.E.	PUBLIC UTILITY EASEMENT
(R)	RADIAL BEARING
	SIGHT VISIBILITY EASEMENT
R/W	RIGHT OF WAY

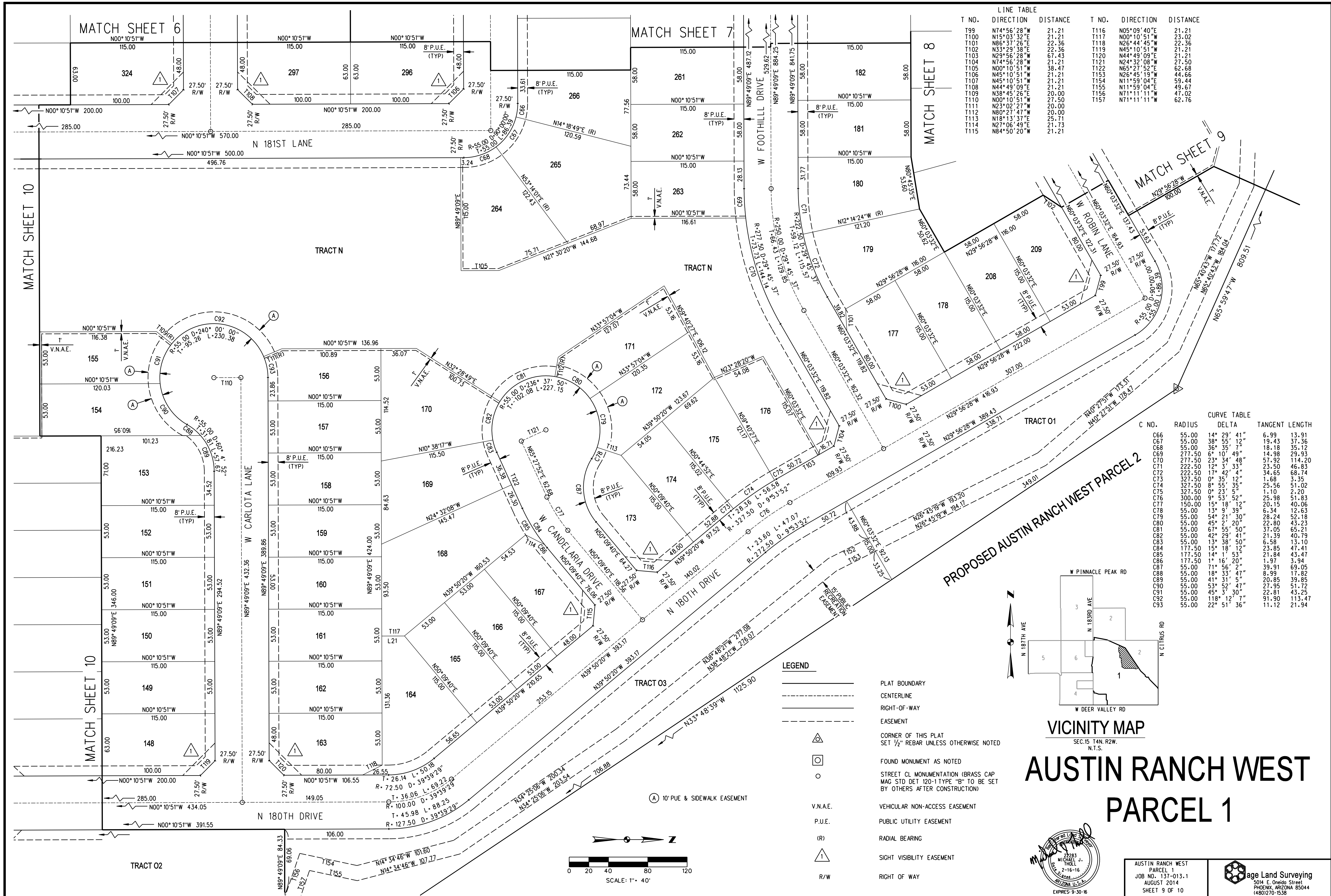
LINE TABLE		
T NO.	DIRECTION	DISTANCE
T62	N46° 07' 21" E	27.63
T63	N46° 07' 09" E	29.00
T64	N87° 34' 27" W	39.57
T65	N87° 34' 27" W	13.01
T66	N87° 34' 27" W	26.57
T67	N89° 49' 09" E	32.83
T68	N45° 10' 51" W	21.21
T69	N44° 49' 09" E	21.21
T70	N00° 10' 51" W	10.21
T71	N43° 52' 39" W	28.92
T72	N87° 34' 27" W	42.08
T73	N44° 49' 09" E	21.21
T74	N45° 10' 51" W	21.22
T75	N45° 10' 51" W	21.21
T76	N44° 49' 09" E	21.21
T77	N45° 10' 51" W	21.21
T78	N45° 13' 38" E	23.18
T79	N45° 10' 51" W	28.28
T80	N00° 10' 51" W	55.00
T81	N44° 49' 09" E	28.28
T82	N00° 10' 51" W	8.34
T133	N00° 10' 51" W	7.68
T134	N89° 54' 22" E	3.00

CURVE TABLE				
C NO.	RADIUS	DELTA	TANGENT	LENGTH
C44	427.50	2° 38' 9"	9.83	19.67
C45	400.00	2° 36' 24"	9.10	18.20
C46	372.50	2° 36' 24"	8.47	16.95
C47	390.00	8° 40' 58"	29.61	59.10
C48	350.00	8° 40' 58"	26.57	53.04
C49	310.00	8° 40' 58"	23.53	46.98
C50	310.00	8° 40' 58"	23.53	46.98
C51	350.00	8° 40' 58"	26.57	53.04
C52	390.00	8° 40' 58"	29.61	59.10
C53	55.00	40° 33' 31"	20.32	38.93
C54	55.00	48° 0' 31"	24.49	46.08
C55	55.00	1° 25' 59"	0.69	1.38



AUSTIN RANCH WEST
PARCEL 1
JOB NO. 137-013.1
AUGUST 2014
SHEET 7 OF 10





LINE TABLE					
T NO.	DIRECTION	DISTANCE	T NO.	DIRECTION	DISTANCE
T99	N74°56'28"W	21.21	T116	N05°09'40"E	21.21
T100	N15°03'32"E	21.21	T117	N00°10'51"W	23.02
T101	N86°37'26"E	22.36	T118	N26°44'45"W	22.36
T102	N33°29'38"E	22.36	T119	N45°10'51"W	21.21
T103	N29°56'28"W	67.43	T120	N44°49'09"E	21.21
T104	N74°56'28"W	21.21	T121	N24°32'08"W	27.50
T105	N00°10'51"W	38.47	T122	N65°27'52"E	62.68
T106	N45°10'51"W	21.21	T123	N26°45'13"W	44.66
T107	N45°10'51"W	21.21	T124	N11°59'04"E	59.44
T108	N44°49'09"E	21.21	T125	N11°59'04"E	49.67
T109	N38°45'26"E	20.00	T126	N71°11'11"W	47.02
T110	N00°10'51"W	27.50	T127	N71°11'11"W	62.76
T111	N23°02'27"W	20.00			
T112	N80°27'47"W	20.00			
T113	N18°13'37"E	25.71			
T114	N27°06'49"E	21.73			
T115	N84°50'20"W	21.21			

CURVE TABLE			
C NO.	RADIUS	DELTA	TANGENT LENGTH
C66	55.00	14° 29' 41"	6.99
C67	55.00	38° 55' 12"	19.43
C68	55.00	36° 35' 7"	18.18
C69	277.50	6° 10' 49"	14.98
C70	277.50	23° 34' 48"	57.92
C71	222.50	12° 3' 33"	23.50
C72	222.50	17° 42' 4"	34.65
C73	327.50	0° 35' 12"	1.68
C74	327.50	8° 55' 35"	25.56
C75	327.50	0° 23' 5"	1.10
C76	300.00	9° 53' 52"	25.98
C77	150.00	15° 18' 12"	20.15
C78	55.00	13° 9' 39"	6.34
C79	55.00	54° 21' 30"	28.24
C80	55.00	45° 20' 20"	22.60
C81	55.00	67° 55' 50"	37.05
C82	55.00	42° 29' 41"	21.39
C83	55.00	13° 38' 50"	6.58
C84	177.50	15° 18' 12"	23.85
C85	177.50	14° 1' 53"	21.84
C86	177.50	1° 16' 20"	1.97
C87	55.00	71° 56' 20"	39.91
C88	55.00	18° 33' 47"	8.99
C89	55.00	41° 31' 5"	20.85
C90	55.00	53° 52' 47"	27.95
C91	55.00	45° 3' 30"	22.81
C92	55.00	118° 12' 7"	91.90
C93	55.00	22° 51' 36"	11.12

LEGEND

A triangle with the number 1 inside.

RIGHT OF WAY

TRACT M

W IDA LANE

MATCH SHEET 9

TRACT 02

PROPOSED AUSTIN RANCH WEST
PARCEL 2

VICINITY MAP

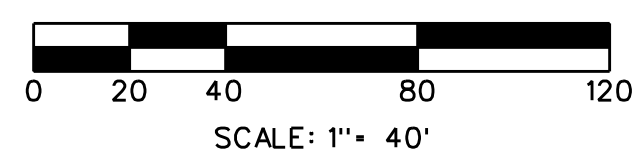
SEC.15 T4N. R2W.
N.T.S.

LINE TABLE		
T NO.	DIRECTION	DISTANCE
T123	N44° 49' 09" E	21.21
T124	N45° 10' 51" W	21.21
T125	N44° 49' 09" E	21.21
T126	N54° 30' 40" W	17.49
T127	N45° 10' 51" W	21.21
T128	N63° 36' 57" W	22.36
T129	N63° 15' 15" E	22.36
T130	N45° 10' 51" W	21.21
T131	N44° 49' 09" E	21.21
T132	N08° 20' 08" W	43.76

CURVE TABLE				
C NO.	RADIUS	DELTA	TANGENT	LENGTH
C94	172.50	3° 0' 23"	4.53	9.05
C95	55.00	48° 51' 15"	24.98	46.90
C96	55.00	38° 27' 26"	19.18	36.92
C97	227.50	8° 7' 19"	16.15	32.25
C98	200.00	11° 26' 51"	20.05	39.96
C99	55.00	25° 37' 07"	12.51	24.59
C100	55.00	37° 58' 31"	18.92	36.45
C101	227.50	7° 32' 42"	15.00	29.96
C102	227.50	4° 33' 15"	9.05	18.08
C103	227.50	2° 59' 27"	5.94	11.88
C104	200.00	10° 37' 59"	18.61	37.12
C105	55.00	25° 31' 24"	12.46	24.50
C106	55.00	64° 28' 36"	34.69	61.89
C107	27.50	360° 00' 00"	--	172.79

MATCH SHEET 4

MATCH SHEET 4



AUSTIN RANCH WEST
PARCEL 1
JOB NO. 137-013.1
AUGUST 2014
SHEET 10 OF 10



RESOLUTION #2016-45

A RESOLUTION OF THE MAYOR AND COUNCIL OF THE CITY OF SURPRISE, ARIZONA, APPROVING A FINAL PLAT ENTITLED "AUSTIN RANCH WEST PARCEL 1," GENERALLY LOCATED AT THE NORTHWESTERN CORNER OF WEST DEER VALLEY ROAD AND NORTH 183RD AVENUE.

WHEREAS, on May 27, 2004, the Mayor and City Council approved the Austin Ranch Planned Area Development;

WHEREAS, on January 26, 2006, the Mayor and City Council approved the Austin Ranch West Preliminary Plat Plan dated October 31, 2005;

WHEREAS, the proposed Final Plat conforms with the preliminary plat approved by the Mayor and City Council, on October 31, 2005;

WHEREAS, the City's subdivision regulations in effect in 2004 govern development of the Austin Ranch Planned Area development;

WHEREAS, the Surprise Municipal Code, Section 16.12.040 E, in effect in 2004, permits an alternate final plat approval procedure permitting, upon Council approval, as follows:

Alternate Approval Procedure. As an alternate procedure and at the request of the subdivider, the City Council may approve a final plat and instruct the Community Development Director to withhold the approved final plat from recording for a period of time to allow the subdivider to install all of the required public improvements according to the plans and specifications approved by the City Engineer. This procedure, when approved by the Council, shall be in lieu of the guarantees for installation of improvements as set forth in subsection (A)(9) of this section. An executed standard contract as approved by the City Attorney regarding installation of improvements shall be submitted with the final plat. The contract shall require that all improvements be completed no later than twelve months from the date the final plat was approved by the City Council and that no lot may be sold. When the completed improvements are inspected and approved by the City Engineer, the plat shall be recorded by the Community Development Director, and the sale of lots may proceed according to the approved and recorded plat, provided that a one-year warranty shall be submitted covering the completed improvements.

WHEREAS, the proposed final plat does not create any substandard or nonconforming lots; and

WHEREAS, the proposed final plat complies with the Surprise General Plan and Municipal Code.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the City of Surprise, Arizona, as follows:

Section 1. The Final Plat entitled "Austin Ranch West Parcel 1," dated March 3, 2016 is approved.

Section 2. The Community Development Director is hereby directed to withhold the approved final plat from recording until no later than May 1, 2018, which date may be extended for no more than an additional 12 months upon Council approval, to allow the subdivider to install all of the required public improvements according to the plans and specifications approved by the City Engineer in conformance with the requirements of the version of section 16.12.040E of the Municipal Code of the City of Surprise set forth in this Resolution.

Section 3. The City Manager is hereby directed to enter into a contract regarding the installation of improvements, approved by the City Attorney, consistent with that form of Alternative Assurance Agreement submitted with the plat and included in the Council Packet.

APPROVED AND ADOPTED this _____ day of _____ 2016.

Sharon R. Wolcott, Mayor

Attest:

Approved as to form:

Sherry Aguilar, City Clerk

Robert Wingo, City Attorney

AUSTIN RANCH PARCEL 1 – PHASE 1 ALTERNATIVE ASSURANCE AGREEMENT

1. This Austin Ranch Parcel 1 – Phase 1 Alternative Assurance Agreement (this “Agreement”) is dated as of this 23 day of March, 2016 (the “Effective Date”) by and between the City of Surprise, Arizona, an Arizona municipal corporation (the “City”), and Austin Ranch, LLC (“Subdivider”).

2. The Surprise Municipal Code, Section 16.12.040 E, in effect in 2004, states as follows:

Alternate Approval Procedure. As an alternate procedure and at the request of the subdivider, the City Council to approve a final plat and instruct the Community Development Director to withhold the approved final plat from recording for a period of time to allow the subdivider to install all of the required public improvements according to the plans and specifications approved by the City Engineer. This procedure, when approved by the Council, shall be in lieu of the guarantees for installation of improvements as set forth in subsection (A)(9) of this section. An executed standard contract as approved by the City Attorney regarding installation of improvements shall be submitted with the final plat. The contract shall require that all improvements be completed no later than twelve months from the date the final plat was approved by the City Council and that no lot may be sold. When the completed improvements are inspected and approved by the City Engineer, the plat shall be recorded by the Community Development Director, and the sale of lots may proceed according to the approved and recorded plat, provided that a one-year warranty shall be submitted covering the completed improvements.

3. This Agreement meets the requirements of the “executed standard contract” required by Section 16.12.040E, above.

4. The Improvements required in the following plans (the “Improvements”) shall be completed no later than May 1, 2018:

Austin Ranch West Parcel 1 Grading and Drainage Plans
Austin Ranch West Parcel 1 Sewer Plans
Austin Ranch West Parcel 1 Water Plans

Austin Ranch West Parcel 1 Paving Plans
Austin Ranch West Parcel 1 Landscape Plans
Austin Ranch West Parcel 1 Phasing Plans

5. No lots may be created or sold until the Improvements are completed. When the completed Improvements are inspected and approved by the City Engineer, the plat shall be recorded by the Community Development Director, and the sale of lots may proceed according to the approved and recorded plat, provided that a one-year warranty shall be submitted covering the completed Improvements.

6. As an alternative to the process established in Sections 2 through 5 above, upon posting by the Subdivider of financial assurances acceptable to the City for any improvement not approved by the City, the Community Development Director shall record the final plat as permitted by the above referenced section of the Surprise Municipal Code.

7. Cancellation. Pursuant to A.R.S. § 38-503 and § 38-511, no member, official or employee of the City shall have any personal interest, direct or indirect, in this Agreement, nor shall any such member, official or employee participate in any decision relating to this Agreement which affects his or her personal interest or the interest of any corporation, partnership or association in which he or she is, directly or indirectly, interested. This Agreement is subject to cancellation pursuant to the terms of A.R.S. § 38-511.

8. Compliance with Federal Immigration Laws and Regulations. Contractor warrants that it complies with all federal immigration laws and regulations that relate to its employees and that it complies with A.R.S. § 23-214(A). Contractor acknowledges that pursuant to A.R.S. § 41-4401, a breach of this warranty is a material breach of this Agreement subject to penalties up to and including termination of this Agreement, and that the City retains the legal right to inspect the papers of any employee who works on the Agreement to ensure compliance with this warranty.

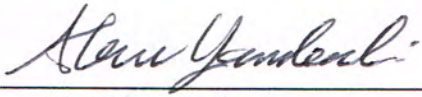
9. Entire Agreement. This Agreement constitutes the entire agreement between the parties hereto pertaining to the subject matter hereof and all prior and contemporaneous agreements, representations, negotiations and understandings of the parties hereto, oral or written, are hereby superseded and merged herein.

10. Governing Law. This Agreement shall be governed by and interpreted in accordance with the laws of the State of Arizona.

IN WITNESS WHEREOF, the parties have executed this Agreement, and this Agreement shall be effective, as of the date set forth in Section 1, above.

[Signatures on following page]

SUBDIVIDER: AUSTIN RANCH LLC

By: 
Alan Hamberlin

Its: Manager

Date: 3-23-16

CITY OF SURPRISE, an Arizona municipal
corporation

By: _____
Bob Wingenroth, City Manager

APPROVED AS TO FORM:

Robert Wingo, City Attorney

RFLS 5079

AUSTIN RANCH PARCEL 1 – PHASE 2 ALTERNATIVE ASSURANCE AGREEMENT

1. This Austin Ranch Parcel 1 – Phase 2 Alternative Assurance Agreement (this “Agreement”) is dated as of this 23 day of MARCH, 2016 (the “Effective Date”) by and between the City of Surprise, Arizona, an Arizona municipal corporation (the “City”), and Austin Ranch, LLC (“Subdivider”).

2. The Surprise Municipal Code, Section 16.12.040 E, in effect in 2004, states as follows:

Alternate Approval Procedure. As an alternate procedure and at the request of the subdivider, the City Council to approve a final plat and instruct the Community Development Director to withhold the approved final plat from recording for a period of time to allow the subdivider to install all of the required public improvements according to the plans and specifications approved by the City Engineer. This procedure, when approved by the Council, shall be in lieu of the guarantees for installation of improvements as set forth in subsection (A)(9) of this section. An executed standard contract as approved by the City Attorney regarding installation of improvements shall be submitted with the final plat. The contract shall require that all improvements be completed no later than twelve months from the date the final plat was approved by the City Council and that no lot may be sold. When the completed improvements are inspected and approved by the City Engineer, the plat shall be recorded by the Community Development Director, and the sale of lots may proceed according to the approved and recorded plat, provided that a one-year warranty shall be submitted covering the completed improvements.

3. This Agreement meets the requirements of the “executed standard contract” required by Section 16.12.040E, above.

4. The Improvements required in the following plans (the “Improvements”) shall be completed no later than May 1, 2018:

Austin Ranch West Parcel 1 Grading and Drainage Plans
Austin Ranch West Parcel 1 Sewer Plans
Austin Ranch West Parcel 1 Water Plans

Austin Ranch West Parcel 1 Paving Plans
Austin Ranch West Parcel 1 Landscape Plans
Austin Ranch West Parcel 1 Phasing Plans

5. No lots may be created or sold until the Improvements are completed. When the completed Improvements are inspected and approved by the City Engineer, the plat shall be recorded by the Community Development Director, and the sale of lots may proceed according to the approved and recorded plat, provided that a one-year warranty shall be submitted covering the completed Improvements.

6. As an alternative to the process established in Sections 2 through 5 above, upon posting by the Subdivider of financial assurances acceptable to the City for any improvement not approved by the City, the Community Development Director shall record the final plat as permitted by the above referenced section of the Surprise Municipal Code.

7. Cancellation. Pursuant to A.R.S. § 38-503 and § 38-511, no member, official or employee of the City shall have any personal interest, direct or indirect, in this Agreement, nor shall any such member, official or employee participate in any decision relating to this Agreement which affects his or her personal interest or the interest of any corporation, partnership or association in which he or she is, directly or indirectly, interested. This Agreement is subject to cancellation pursuant to the terms of A.R.S. § 38-511.

8. Compliance with Federal Immigration Laws and Regulations. Contractor warrants that it complies with all federal immigration laws and regulations that relate to its employees and that it complies with A.R.S. § 23-214(A). Contractor acknowledges that pursuant to A.R.S. § 41-4401, a breach of this warranty is a material breach of this Agreement subject to penalties up to and including termination of this Agreement, and that the City retains the legal right to inspect the papers of any employee who works on the Agreement to ensure compliance with this warranty.

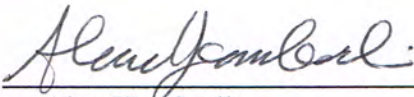
9. Entire Agreement. This Agreement constitutes the entire agreement between the parties hereto pertaining to the subject matter hereof and all prior and contemporaneous agreements, representations, negotiations and understandings of the parties hereto, oral or written, are hereby superseded and merged herein.

10. Governing Law. This Agreement shall be governed by and interpreted in accordance with the laws of the State of Arizona.

IN WITNESS WHEREOF, the parties have executed this Agreement, and this Agreement shall be effective, as of the date set forth in Section 1, above.

[Signatures on following page]

SUBDIVIDER: AUSTIN RANCH LLC

By: 
Alan Hamberlin

Its: Manager

Date: 3-23-16

CITY OF SURPRISE, an Arizona municipal
corporation

By: _____
Bob Wingenroth, City Manager

APPROVED AS TO FORM:

Robert Wingo, City Attorney

RFLS 5079

AUSTIN RANCH PARCEL 1 – PHASE 3 ALTERNATIVE ASSURANCE AGREEMENT

1. This Austin Ranch Parcel 1 – Phase 3 Alternative Assurance Agreement (this “Agreement”) is dated as of this 23 day of March, 2016 (the “Effective Date”) by and between the City of Surprise, Arizona, an Arizona municipal corporation (the “City”), and Austin Ranch, LLC (“Subdivider”).

2. The Surprise Municipal Code, Section 16.12.040 E, in effect in 2004, states as follows:

Alternate Approval Procedure. As an alternate procedure and at the request of the subdivider, the City Council to approve a final plat and instruct the Community Development Director to withhold the approved final plat from recording for a period of time to allow the subdivider to install all of the required public improvements according to the plans and specifications approved by the City Engineer. This procedure, when approved by the Council, shall be in lieu of the guarantees for installation of improvements as set forth in subsection (A)(9) of this section. An executed standard contract as approved by the City Attorney regarding installation of improvements shall be submitted with the final plat. The contract shall require that all improvements be completed no later than twelve months from the date the final plat was approved by the City Council and that no lot may be sold. When the completed improvements are inspected and approved by the City Engineer, the plat shall be recorded by the Community Development Director, and the sale of lots may proceed according to the approved and recorded plat, provided that a one-year warranty shall be submitted covering the completed improvements.

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Austin Ranch West Parcel 1 Sewer Plans
Austin Ranch West Parcel 1 Water Plans

Austin Ranch West Parcel 1 Paving Plans
Austin Ranch West Parcel 1 Landscape Plans
Austin Ranch West Parcel 1 Phasing Plans

5. No lots may be created or sold until the Improvements are completed. When the completed Improvements are inspected and approved by the City Engineer, the plat shall be recorded by the Community Development Director, and the sale of lots may proceed according to the approved and recorded plat, provided that a one-year warranty shall be submitted covering the completed Improvements.

6. As an alternative to the process established in Sections 2 through 5 above, upon posting by the Subdivider of financial assurances acceptable to the City for any improvement not approved by the City, the Community Development Director shall record the final plat as permitted by the above referenced section of the Surprise Municipal Code.

7. Cancellation. Pursuant to A.R.S. § 38-503 and § 38-511, no member, official or employee of the City shall have any personal interest, direct or indirect, in this Agreement, nor shall any such member, official or employee participate in any decision relating to this Agreement which affects his or her personal interest or the interest of any corporation, partnership or association in which he or she is, directly or indirectly, interested. This Agreement is subject to cancellation pursuant to the terms of A.R.S. § 38-511.

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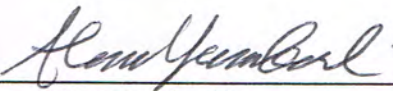
9. Entire Agreement. This Agreement constitutes the entire agreement between the parties hereto pertaining to the subject matter hereof and all prior and contemporaneous agreements, representations, negotiations and understandings of the parties hereto, oral or written, are hereby superseded and merged herein.

10. Governing Law. This Agreement shall be governed by and interpreted in accordance with the laws of the State of Arizona.

IN WITNESS WHEREOF, the parties have executed this Agreement, and this Agreement shall be effective, as of the date set forth in Section 1, above.

[Signatures on following page]

SUBDIVIDER: AUSTIN RANCH LLC

By: 
Alan Hamberlin

Its: Manager

Date: 3-23-16

CITY OF SURPRISE, an Arizona municipal
corporation

By: _____
Bob Wingenroth, City Manager

APPROVED AS TO FORM:

Robert Wingo, City Attorney

RFLS 5079



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

[Back](#) [Print](#)

Council Meeting Date:	April 5, 2016	Contact Person:	Terry Young, Chief of Police
Submitting Department:	Police	District:	Citywide
Staff Recommendations:	None		

Consent	x	Regular	Public Hearing	Report/Discussion
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Agenda Wording:

Consideration and action pertaining to the acceptance of an award from the Arizona Governor's Office of Highway Safety in the amount of \$4,000 to enforce seat belt and child safety seat laws as part of the national "Click it or Ticket" campaign; Resolution # 2016-46.

Motion:

I move to approve Resolution # 2016-46.

Background:

In the past few years, the Surprise Police Department (PD) has regularly participated in the national "Click it or Ticket" campaign. This campaign is conducted by paying officers overtime to conduct the enforcement during the time period identified in the national campaign. The Arizona Governor's Office of Highway Safety (GOHS) has offered an award in the amount of \$4,000 for Surprise PD to once more participate in this national campaign. Acceptance of the award requires Council approval and a budget amendment.

Objective Analysis:

Accepting the award will allow Surprise PD to deploy officers specifically for the purpose of conducting enforcement of the seat belt and child safety seat laws. Such enforcement will contribute to fewer and less severe injuries of our citizens if they are involved in traffic accidents.

Policy Compliant:

Council policy has always been consistent with the law and especially consistent with safety laws. Therefore, the enforcement of seat belt and child safety seat laws that will result from acceptance of this award, is policy compliant.

Financial Impact:

This one-time grant award is \$4,000 for overtime salary expenses incurred as a result of participation in this enforcement campaign. There is no city match requirement, however all employee related expenses (ERE) associated with this overtime will be absorbed by the department's current operating budget.

Budget Impact:

Acceptance of this grant will reallocate appropriations in the amount of \$4,000 from Grants Fund contingency for overtime. This does not represent an actual transfer of funds, but only a transfer of budget authority and does not increase or decrease the total budget.

FTE Impact:

This item does not have an impact on current staff levels.

ATTACHMENTS:

Click to download

- ☐ [GOHS award letter](#)
 - ☐ [GOHS Contract](#)
 - ☐ [Resolution 2016-46](#)
-



DOUGLAS A. DUCEY
GOVERNOR

ALBERTO C. GUTIER
DIRECTOR
GOVERNOR'S HIGHWAY SAFETY REPRESENTATIVE

February 24, 2016

Chief Terry Young
Surprise Police Department
14250 West Statler Plaza
Surprise, Arizona 85374

Re: Funding for the FFY 2016 "Buckle Up Arizona...It's the Law!" Enforcement Campaign

Dear Chief Young:

Every year law enforcement agencies across Arizona conduct a two week enforcement campaign focusing on enforcing Arizona's safety belt and child passenger safety laws. This campaign "Buckle Up Arizona...It's the Law!" is part of the national "Click it or Ticket" campaign.

The Governor's Office of Highway Safety ("GOHS") has selected your agency to receive funding to conduct enforcement of Arizona's safety belt and child passenger laws during this year's campaign, from May 23, 2016 through June 5, 2016. You have been selected to receive funding in part based on your agency's participation last year and your continued stellar effort on enforcing traffic laws. As you know, Arizona has a secondary seat belt law, it is important that this is communicated in any pronouncements of this funding.

Enclosed are two (2) copies of the referenced Highway Safety Contract for your review and signature. This is not an authorization to proceed with the project.

Please complete the following steps:

1. Have your fiscal staff complete the Reimbursement Instructions (page 18) of both copies;
2. As Project Director, sign and date the signature page of both copies;
3. Return all signed copies of the Contract to 1700 West Washington Street, Executive Tower Suite 430, Phoenix, AZ 85007.

Please do not incur any costs at this time as it would nullify the contract. Once the signed copies are received, I will approve and sign the contract as the GOHS Director/Governor's Highway Safety Representative and an original executed contract with a letter of authorization to proceed will be forwarded to you.

Thank you for your participation in this campaign. If you have any questions, please feel free to contact me directly.

Sincerely,

Alberto Gutier, Director
Governor's Highway Safety Representative

2-29-16
Date

rec'd 3/8/16

HIGHWAY SAFETY CONTRACT

This page, the Project Directors Manual and attached hereto and incorporated herein by reference, constitute the entire contract between the parties hereto unless the Governor's Highway Safety Representative authorizes deviation in writing.

CFDA: 20.600

1. APPLICANT AGENCY Surprise Police Department	GOHS CONTRACT NUMBER 2016-CIOT-015	
ADDRESS 14250 West Statler Plaza, Surprise, Arizona 85374	PROGRAM AREA 402-OP	
2. GOVERNMENTAL UNIT City of Surprise	AGENCY CONTACT Mike Robbins	
ADDRESS 16000 North Civic Center Plaza, Surprise, Arizona 85374	3. PROJECT TITLE Buckle Up Arizona Enforcement Campaign (CIOT)	
4. GUIDELINES 402 – Occupant Protection (OP)		
5. BRIEFLY STATE PURPOSE OF PROJECT: Federal 402 funds will support Personnel Services (Overtime) and Employee Related Expenses to participate in the two-week Buckle Up Arizona Enforcement Campaign from May 23, 2016 through June 5, 2016 to enhance seat belt and child safety seat usage throughout the City of Surprise.		
6. BUDGET COST CATEGORY	Project Period FY 2016	
I. Personnel Services	\$4,000.00	
II. Employee Related Expenses	\$0.00	
III. Professional and Outside Services	\$0.00	
IV. Travel In-State	\$0.00	
V. Travel Out-of-State	\$0.00	
VI. Materials and Supplies	\$0.00	
VII. Capital Outlay	\$0.00	
TOTAL ESTIMATED COSTS	\$4,000.00	
PROJECT PERIOD	FROM: Effective Date (<i>Date of GOHS Director Signature</i>)	TO: 06-05-16
CURRENT GRANT PERIOD	FROM: 05-23-16	TO: 06-05-16
TOTAL FEDERAL FUNDS OBLIGATED THIS FY: \$4,000.00		

A political subdivision or state agency that is mandated to provide a certified resolution or ordinance authorizing entry into this contract must do so prior to incurring any expenditures. Failure to do so may result in termination of the awarded contract.

PROBLEM IDENTIFICATION AND RESOLUTION:

Motor vehicle collisions continue to be the leading cause of death, injury and property damage in Arizona and the United States. A number of factors contribute to the risk of collision including; vehicle design, speed of operation, road design, road environment, driver skill and/or impairment and driver behavior. The human factor that has been consistently identified in reducing collisions and minimizing their effects is consistent usage of seat belts and child safety seats.

According to the Arizona Motor Vehicle Crash Facts, there were 774 vehicle occupant (driver/passenger) fatalities in 2014, of which 266 (34%) were unrestrained. Children under the age of five accounted for 5 passenger fatalities in 2014, of which 2 (40%) were unrestrained.

In 2015, seat belt usage in Arizona reached **86.6%**, a decrease of .6% since 2014. The noted decrease is attributed partly to the Arizona Governor's Office of Highway Safety (GOHS) funded statewide enforcement campaigns, enhanced earned media, and extensive outreach support of educational and public awareness activities.

The summary of the 2011 through 2015 Arizona Seat Belt Use Survey results are presented in the following table:

GROUPS OBSERVED	2011	2012	2013	2014	2015
Total Front Seat Occupants Seat Belt Use	82.9%	82.2%	84.7%	87.2%	86.6%
All Drivers Seat Belt Use	83.5%	82.6%	84.7%	87.1%	87.1%
Front Seat Passenger Seat Belt Use	80.6%	80.2%	84.0%	87.7%	84.8%
Children Safety Restraint Use	79.1%	75.0%	n/a	n/a	n/a

Seat belts and child safety seats have proven to significantly reduce the chance of death and injuries of passengers in vehicles. According to the Center for Disease Control and Prevention, seat belt use reduces serious crash-related injuries and deaths by about **50%**. The proper and consistent use of Child Safety Seats has been found to reduce the risk of fatal injury by **71%** for infants (younger than 1 year old) and by **54%** for toddlers (1 to 4 years old) in passenger cars. Properly installed booster seats reduce the risk for serious injury by **45%** among children ages 4 to 8 year old.

Numerous factors affect the occupant protection enforcement program in Arizona:

- Arizona presently conducts enforcement under a secondary seat belt law and a primary child safety seat law
- Arizona currently exceeded the national average seat belt usage rate of 87% in 2014
- Arizona continues to develop and expand a highly visible Occupant Protection Enforcement Program

Selective Traffic Enforcement Programs (STEP) is a proven approach that can be used to quickly change motorists' behavior in a short period of time. This particular STEP is a widely publicized enforcement campaign focused on changing a particular behavior among motorists.

As part of the National Click It or Ticket Campaign, Arizona has developed and promoted the **"Buckle Up Arizona... It's the Law!"** program, which has been an effective enforcement message in a secondary law state.

This program unites state-wide law enforcement agencies to engage in aggressive traffic enforcement with a **"zero tolerance"** approach to seat belt and child safety seat violations. The goal is to sustain and increase seatbelt usage rates in the designated geographical areas of the participating agencies.

The mobilizations begin with earned media generated at the State and local level followed by a high visibility enforcement campaign lasting two weeks. Paid media phases in approximately one week later followed by high-visibility enforcement lasting for two weeks. Additional earned media conducted through the GOHS has been paramount in enhancing occupant protection message.

OVERVIEW OF PROGRAM:

Federal 402 funding will support Personnel Services (Overtime) and Employee Related Expenses to participate in the national two-week **"Buckle Up Arizona"** enforcement campaign from **May 23, 2016 through June 5, 2016**.

The purpose of the campaign is for the Surprise Police Department to engage in aggressive traffic enforcement with a **"zero tolerance"** approach to seat belt and child safety seat violations. The goal is to sustain seatbelt usage rates in the designated geographical areas of the participating agencies.

The campaign will be supported by earned media to reinforce the occupant protection message. The Surprise Police Department will participate in other educational and public awareness activities to support the enforcement component.

Occupant protection usage surveys will be conducted subsequent to the enforcement campaign by an independent research organization to analyze the effectiveness of the program. Results will be provided to the respective law enforcement agency upon receipt of the completed study.

GOALS/OBJECTIVES:

The Surprise Police Department is required to complete the following goals and objectives under the guidelines of the contract:

- Provide intensive traffic enforcement during designated period with zero tolerance for safety belt/child restraint laws
- Heighten enforcement visibility through news media contacts, safety belt/child seat inspections, and other public awareness and educational activities
- The Surprise Police Department shall provide a written press release announcing the enforcement program to the local media affecting their respective areas (a copy of this press release shall be sent to the GOHS Director prior to the initiation of the enforcement campaign)

- The Surprise Police Department is additionally encouraged to invite media representatives for live interviews and ride-a-longs during the enforcement activities
- The Surprise Police Department shall develop and participate in some form of enforcement activity, such as saturation patrols, multi-agency enforcement task forces etc. related to respective areas with low restraint usage.
- The Surprise Police Department shall submit a Final Enforcement Summary Report to GOHS no later than **June 8, 2016**
- The Surprise Police Department shall a Final Statement of Accomplishments Report including press releases, news stories, educational/public awareness activities, enforcement statistics and quality photographs by **June 15, 2016**
- The Surprise Police Department shall provide the names of top enforcement performers for possible future recognition by GOHS and their respective agency

MEDIA RELEASE

To prepare complete press release information for media (television, radio, print and on-line) during each campaign period including a main press release, schedule of events, departmental plans and relevant data. **The material will emphasize the campaign's purpose, aggressive enforcement and the high cost of Occupant Protection in terms of money, criminal and human consequences.**

The Surprise Police Department will maintain responsibility for **reporting sustained enforcement** activity in a timely manner. Additionally, it is the responsibility of the Surprise Police Department to report all holiday task force enforcement statistics to GOHS on-line at the GOHS website **no later than 10:00a.m. the morning following each day of the event.**

PURSUIT POLICY:

All law enforcement agencies receiving federal funds are encouraged to follow the guidelines established for vehicular pursuits issued by the International Association of Chiefs of Police (IACP) that are currently in effect.

METHOD OF PROCEDURE:

The Surprise Police Department will make expenditures as follows to meet the outlined Program Goals/Objectives:

Personnel Services – To support Overtime for two-week Buckle Up Arizona Enforcement Campaign from May 23, 2016 through June 5, 2016

Employee Related Expenses – To support Employee Related Expenses for Agency Overtime

PRESS RELEASE:

PRESS RELEASE:

Agencies are required to develop and distribute a press release announcing this grant award (a copy of this press release shall be sent to the GOHS Director at the same time it is sent to the media). This press release shall include the objective and specify that the funding is from the Governor's Office of Highway Safety. A sample press release for the Buckle Up Arizona Campaign will be provided to the agency.

PROFESSIONAL AND TECHNICAL PERSONNEL:

Terry Young, Chief, Surprise Police Department, shall serve as Project Director.

Mike Robbins, Sergeant, Surprise Police Department, shall serve as Project Administrator.

Gabby Gallegos, Occupant Protection Coordinator, Governor's Office of Highway Safety, shall serve as Project Coordinator.

REPORT OF COSTS INCURRED (RCI):

The Project Director shall submit a Report of Costs Incurred (RCI) with supporting documentation attached, to the Governor's Office of Highway Safety within thirty (30) days of the enforcement period in correlation with the required report.

RCIs shall be typed and delivered via mail or hand delivered with appropriate supporting documentation, to the Governor's Office of Highway Safety. **Electronically submitted RCIs will not be accepted.** Expenditures submitted after the expiration date will not be reimbursed and the agency will accept fiscal responsibility.

The RCI template and instructions are available on the Governor's Office of Highway Safety website at <http://www.azgohs.gov/grant-opportunities/>. Failure to meet the reporting requirements may be cause to terminate the project.

FINAL ENFORCMENT SUMMARY REPORT:

All participating agencies shall complete and submit total enforcement statistical data implementing the attached form no later than **June 8, 2016**, to the Governor's Office of Highway Safety.

FINAL STATEMENT OF ACCOMPLISHMENTS:

The Project Director shall complete and submit the attached Final Statement of Accomplishments Report no later than **June 15, 2016**, to the Governor's Office of Highway Safety. All agencies receiving funding are required to submit a Final Statement of Accomplishments Report. The report is a summary overview of the contracted project and is reviewed by the Governor's Office of Highway Safety project coordinator to determine the effectiveness of the project.

PROJECT MONITORING:

Highway safety grant project monitoring is used by GOHS project coordinators to track the progress of project objectives, performance measures and compliance with applicable procedures, laws, and regulations.

The process is used throughout the duration of the contracted project and serves as a continuous management tool. Project monitoring also presents an opportunity to develop partnerships, share information and provide assistance to contracted agencies. Additionally, project monitoring outlines a set of procedures for project review and documentation.

Project monitoring also serves as a management tool for:

- Detecting and preventing problems
- Helping to identify needed changes
- Identifying training or assistance needed
- Obtaining data necessary for planning, and evaluation
- Identifying exemplary projects

Types of Monitoring

Monitoring is formal and informal, financial and operational. The most common types of monitoring are:

- Ongoing contact with the contracted grantee through phone calls, e-mails, correspondence, and meetings
- On-Site and/or In-House monitoring reviews of project operations, management, and financial records and systems
- Review of project Quarterly Reports
- Review and approval of Report of Costs Incurred (RCIs)
- Desk review of other documents in the project-grant files for timely submission and completeness

Monitoring Schedule	
Total Awarded Amount:	Type of Monitoring:
Under \$50,000	Desk Review/Phone Conference
\$50,000 and over	May have an In-House GOHS Review
\$100,000+	May have an On-Site Review
Capital Outlay Greater than \$25,000 (combined)	May have an On-Site Review
Desk Review and Phone Conference	Internal Review of all written documentation related to contractual project including but not limited to contract, quarterly reports, enforcement data, financial data, e-mails, letters, notes, press releases, photographs, inventories, and other written correspondence. A phone conference call conducted during the course of the project which includes the date and time of the call, the person(s) contacted and the results. It serves as an informational review to determine progress of programmatic/financial activities. Both the designated project administrator and fiscal contact should be present, if possible, during the phone conference. If identified financial or operational problems are present, GOHS reserves the right to bring the grantee in for an in-house meeting at GOHS. Monitoring form written by Project Coordinator, any findings or areas of improvement, concern or recognition will be provided to the grantee.
In-House Review	Documents performance review results including project activities, reimbursement claims review, equipment purchases, approvals, and other information. Reviews applicable information related to the project(s) including but not limited to contract, quarterly reports, enforcement data, financial data, e-mails, letters, notes, press releases, photographs, inventories, and other written correspondence. Completed at GOHS in a meeting with appropriate operational and financial personnel. Monitoring form written

	by Project Coordinator, any findings or areas of improvement, concern or recognition will be provided to the grantee.
On-Site Monitoring	Documents performance review results including project activities, reimbursement claims review, equipment purchases, and other information. Reviews applicable information related to the project(s) including but not limited to contract, quarterly reports, enforcement data, financial data, e-mails, letters, notes, press releases, photographs, inventories, and other written correspondence. Conducted on-site at the grantee's agency with monitoring form completed on-site by Project Coordinator. Any findings or areas of improvement, concern, or recognition, will be provided to the grantee.

On-site and/or In-house monitoring for grantees of designated projects with large capital outlay purchases, personnel services, and complex projects must be completed within the second or third quarter of the fiscal year. Contracted projects displaying any problems might need on-site monitoring more than once during the fiscal year.

On-site and/or In-house monitoring includes a review and discussion of all issues related to assure the effective administration of the contracted project. The following are the most important items to review:

- Progress toward meeting goals/objectives and performance measures
- Adherence to the contract specifications, timely submission of complete and correct reports, including required documentation
- Quarterly reports
- Status of expenditures related to the outlined budget
- Accounting records
- Supporting documentation (training documentation, inventory sheets, photographs, press releases, etc.)

In addition, the designated project administrator will assure that any equipment purchased will be available for inspection and is being used for the purpose for which it was bought under the outlined contractual agreement.

Documentation

The Governor's Office of Highway Safety will retain all findings documented on the GOHS Monitoring Form in the grantee's respective federal file. Findings will be discussed with the grantee designated contract representative (project administrator, fiscal specialist) by phone and/or e-mail. All noted deficiencies will be provided to the grantee with guidance for improvement and solutions to problems. Grantees that exhibit significantly poor performance will be placed on a performance plan as outlined by the project coordinator. Grantee monitoring information will additionally provide documentation for potential funding in subsequent fiscal year grant proposal review.

PROJECT PERIOD:

The Project Period shall commence on the date the GOHS Director signs the Highway Safety Contract and terminate on June 5, 2016 of that or subsequent year as indicated on the Highway Safety Contract. Any unexpended funds remaining at the termination of the contract shall be released back to the Governor's Office of Highway Safety.

DURATION:

Contracts shall be effective on the date the Governor's Office of Highway Safety Director signs the contract and expire at the end of the project period.

If the Agency is unable to expend the funds in the time specified, the Project Director will submit notification on the Agency's letterhead and hand-deliver or submit via regular mail to the Director of the Governor's Office of Highway Safety a minimum of 90 days prior to the end of the project period.

The Agency shall address all requests to modify the contract to the Director of the Governor's Office of Highway Safety on Agency letterhead and either hand deliver or submit the request via regular mail. All requests for modification must bear the signature of the Project Director.

Failure to comply may result in cancellation of the contract. Any unexpended funds remaining at the termination of the contract shall be released back to the Governor's Office of Highway Safety.

ESTIMATED COSTS:

I.	Personnel Services (overtime)	\$4,000.00
II.	Employee Related Expenses <i>Please Note Entire ERE Will Be Absorbed by Surprise Police Department</i>	\$0.00
III.	Professional and Outside Services	\$0.00
IV.	Travel In-State	\$0.00
V.	Travel Out-of-State	\$0.00
VI.	Materials and Supplies	\$0.00
VII.	Capital Outlay	\$0.00
TOTAL ESTIMATED COSTS		*\$4,000.00

*Includes all applicable training, tax, freight, and advertising costs. The GOHS reserves the right to limit reimbursement of Employee Related Expenses from zero (0) to a maximum rate of 40 percent. This is the maximum ERE amount to be reimbursed. It is agreed and understood that the Surprise Police Department shall absorb any and all expenditures in excess of **\$4,000.00**.

CERTIFICATIONS AND AGREEMENTS

This CONTRACT, is made and entered into by and between the STATE OF ARIZONA, by and through the Governor's Office of Highway Safety (GOHS) hereinafter referred to as "STATE", and the agency named in this Contract, hereinafter referred to as "AGENCY".

WHEREAS, the National Highway Safety Act of 1966, as amended (23 USC §§401-404), provides Federal funds to STATE for approved highway safety projects; and

WHEREAS, STATE may make said funds available to various state, county, tribal, or municipal agencies, governments, or political subdivisions upon application and approval by STATE and the United States Department of Transportation (USDOT); and

WHEREAS, AGENCY must comply with the requirements listed herein to be eligible for Federal funds for approved highway safety projects; and

WHEREAS, AGENCY has submitted an application for Federal funds for highway safety projects;

NOW, THEREFORE, IN CONSIDERATION OF MUTUAL PROMISES AND OTHER GOODS AND VALUABLE CONSIDERATION, it is mutually agreed that AGENCY will strictly comply with the following terms and conditions and the following Federal and State Statutes, Rules, and Regulations:

I. Project Monitoring, Reports, and Inspections

- A. AGENCY agrees to fully cooperate with representatives of STATE monitoring the project, either on-site or by telephone, during the life of the Contract.
- B. AGENCY will submit Quarterly Reports (one for each three-month period of the project year) to STATE in the form and manner prescribed by STATE. Notice of the specific requirements for each report will be given in this Contract or at any time thereafter by giving thirty (30) days written notice to AGENCY by ordinary mail at the address listed on the Contract. Failure to comply with Quarterly Report requirements may result in withholding of Federal funds or termination of this Contract.
- C. AGENCY will submit a Final Report/Statement of Accomplishment at completion of the Contract to include all financial, performance, and other reports required as a condition of the grant to STATE within thirty (30) days of the completion of the Contract.
- D. Representatives authorized by STATE and the National Highway Traffic Safety Administration (NHTSA) will have the right to visit the site and inspect the work under this Contract whenever such representatives may determine such inspection is necessary.

II. Reimbursement of Eligible Expenses

- A. AGENCY'S Project Director, or Finance Personnel, will submit a Report of Costs Incurred Form (RCI) to STATE each time there have been funds expended for which reimbursement is being requested. Failure to meet this requirement may be cause to terminate the project under section XX herein, "Termination and Abandonment".

- B. AGENCY will reimburse STATE for any ineligible or unauthorized expenses for which Federal funds have been claimed and reimbursement received, as may have been determined by a State or Federal audit.
- C. STATE will have the right to withhold any installments equal to the reimbursement received by AGENCY for prior installments which have been subsequently determined to be ineligible or unauthorized.

III. Property Agreement

- A. AGENCY will immediately notify STATE if any equipment purchased under this Contract ceases to be used in the manner as set forth by this Contract. In such event, AGENCY further agrees to either give credit to the project cost or to another active highway safety project for the residual value of such equipment in an amount to be determined by STATE or to transfer or otherwise dispose of such equipment as directed by STATE.
- B. No equipment will be conveyed, sold, salvaged, transferred, etc., without the express written approval of STATE, or unless otherwise provided elsewhere in this Contract.
- C. AGENCY will maintain or cause to be maintained for its useful life, any equipment purchased under this Contract.
- D. AGENCY will incorporate any equipment purchased under this Contract into its inventory records.
- E. AGENCY will insure any equipment purchased under this Contract for the duration of its useful life. Self-insurance meets the requirements of this section.

IV. Travel

In-State and Out-of-State Travel

In state and out-of-state travel claims will be reimbursed at rates provided by AGENCY'S regulations, provided that such regulations are as restrictive as those of STATE. Where they are less restrictive, ARS §38-624 will apply.

The State must approve all out-of-state travel in writing and in advance.

V. Standard of Performance

AGENCY hereby agrees to perform all work and services herein required or set forth, and to furnish all labor, materials, and equipment, except that labor, material, and equipment as STATE agrees to furnish pursuant to this Contract.

VI. Hold Harmless Agreement

Neither party to this agreement agrees to indemnify the other party or hold harmless the other party from liability hereunder. However, if the common law or a statute provides for either a right to indemnify and/or a right to contribution to any party to this agreement then the right to pursue one or both of these remedies is preserved.

VII. Non-Assignment and Sub-Contracts

This Contract is not assignable nor may any portion of the work to be performed be sub-contracted unless specifically agreed to in writing by STATE. No equipment purchased hereunder may be assigned or operated by other than AGENCY unless agreed to in writing by STATE.

VIII. Work Products and Title to Commodities and Equipment

A. The work product and results of the project are the property of STATE, unless otherwise specified elsewhere in this Contract. All property, instruments, non-consumable materials, supplies, and the like, which are furnished or paid for by STATE under the terms of this Contract, unless otherwise provided for elsewhere in this Contract, are and remain the property of STATE and will be returned at the completion of this project upon request of STATE. The work product and results of the project will be furnished to STATE upon request, if no provision is otherwise made by this Contract.

B. The provisions of subparagraph A apply whether or not the project contracted for herein is completed.

IX. Copyrights and Patents

Any copyrightable materials, patentable discovery, or invention produced in the course of this project may be claimed by STATE and a copyright or patent obtained by it at its expense. In the event STATE does not wish to obtain such copyright or patent, AGENCY may do so, but in any event, provision will be made by AGENCY for royalty-free, nonexclusive, nontransferable, and irrevocable licenses to be given the United States Government and STATE and its political subdivisions to use such copyrightable material, patented discoveries, or inventions in any manner they see fit. The STATE reserves the right to impose such other terms and conditions upon the use of such copyrights or patents as may be deemed in the best interest of STATE in the event AGENCY is allowed to obtain a copyright or patent.

X. "Common Rule" and OMB Circular No. A-102 (Revised)

"Common Rule" (49 CFR, Part 18): Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments

OMB Circular No. A-102 (Revised): Grants and Cooperative Agreements with State and Local Governments

The application of USDOT "Common Rule" and Circular A-102 requires that:

AGENCY and sub-grantees will use their own procurement procedures, which reflect applicable State and local laws and regulations, provided that the procurements conform to applicable Federal law. The most stringent purchasing requirement at each level must be met.

The Arizona Procurement Code (ARS, §41-2501, et. seq.) and promulgated rules (A.A.C. Title 2, Chapter 7) are a part of this Contract as if fully set forth herein and AGENCY agrees to fully comply with these requirements for any procurement using grant monies from this Contract.

XI. Equal Opportunity

- A. Pursuant to the requirements of the Federal-Aid Highway Act of 1968 (U.S.C. §103 et. seq.), AGENCY, as a condition to receiving approval of this Contract submitted under the Highway Safety Act of 1966, as amended, hereby gives its assurance that employment in connection with the subject Highway Safety Project will be provided without regard to race, color, creed, sex, or national origin, and that any contract it enters into with any private agency pursuant hereto will include provisions in compliance with this paragraph (XI).

As a condition of receiving approval of this Contract, AGENCY will be subject to and will comply with Title VI of the Civil Rights Act of 1964 and all applicable requirements of the Department of Commerce regulations as adopted by the USDOT, providing that no person in the United States shall on the ground of race, color, creed, sex, or national origin be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under the subject Highway Safety Project.

- B. If AGENCY fails or refuses to comply with its undertaking as set forth in these provisions, STATE or the USDOT may take any or all of the following actions.
1. Cancel, terminate, or suspend, in whole or in part, the agreement, contract, or other arrangement with respect to which the failure or refusal occurred; and
 2. Refrain from extending any further Federal financial assistance to AGENCY under the Highway Safety Program with respect to which the failure or refusal occurred until satisfactory assurance of future compliance has been received from AGENCY.
- C. Pursuant to the requirement of Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. §794), AGENCY must operate this Highway Safety Project so that it is accessible and otherwise non-discriminatory to handicapped persons.

XII. Executive Order 2009-09

It is mutually agreed that AGENCY will comply with the terms and conditions of Executive Order 2009-09, *Non-Discrimination in Employment by Government Contractors and Subcontractors*. Executive Order 2009-09 is located in Part II of the Project Director's Manual.

XIII. Application of Hatch Act

AGENCY will notify all of its employees whose principal employment is in connection with any highway safety project, financed in whole or in part by loans or grants under the Highway Safety Act of 1966, as amended, of the provisions of the Hatch Act (5 U.S.C. §7321 et. seq.).

XIV. Minority Business Enterprises (MBE) Policy and Obligation

- A. Policy: It is the policy of the USDOT that minority business enterprises as defined in 49 CFR, Part 23, will have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal funds under this Contract. Consequently, the minority business enterprises requirements of 49 CFR, Part 23 apply to this Contract.
- B. Obligation: The recipient or its contractor agrees to ensure that minority business enterprises as defined in 49 CFR, Part 23 have the subcontracts financed in whole or in part with Federal funds provided under this Contract. In this regard, all recipients or contractors will take all necessary and reasonable steps in accordance with 49 CFR, Part 23 to ensure that minority business enterprises have the maximum opportunity to compete for and perform contracts. Recipients and their contractors will not discriminate on the basis of race, color, creed, sex, or national origin in the award and performance of USDOT-assigned contracts.

XV. Arbitration Clause, ARS §12-1518

Pursuant to ARS §12-1518, the parties agree to use arbitration, after exhausting applicable administrative reviews, to resolve disputes arising out of this Contract where the provisions of mandatory arbitration apply.

XVI. Inspection and Audit, ARS §35-214

Pursuant to ARS §35-214, all books, accounts, reports, files, and other records relating to this Contract will be subject at all reasonable times to inspection and audit by STATE for five (5) years after completion of this Contract. The records will be produced at the Governor's Office of Highway Safety.

XVII. Appropriation of Funds by U.S. Congress

It is agreed that in no event will this Contract be binding on any party hereto unless and until such time as funds are appropriated and authorized by the U.S. Congress and specifically allocated to the project submitted herein and then only for the fiscal year for which such allocation is made. In the event no funds are appropriated by the U.S. Congress or no funds are allocated for the project proposed herein for subsequent fiscal years, this Contract will be null and void, except as to that portion for which funds have then been appropriated or allocated to this project, and no right of action or damages will accrue to the benefit of the parties hereto as to that portion of the Contract or project that may so become null and void.

XVIII. Continuation of Highway Safety Program

It is the intention of AGENCY to continue the Highway Safety Program identified in this Contract once Federal funding is completed. This intended continuation will be based upon cost effectiveness and an evaluation by AGENCY of the program's impact on highway safety.

XIX. E-Verify

Both Parties acknowledge that immigration laws require them to register and participate with the E-Verify program (employment verification program administered by the United States Department of Homeland Security and the Social Security Administration or any successor program) as they both employ one or more employees in this state. Both Parties warrant that they have registered with and participate with E-Verify. If either Party later determines that the other non-compliant Party has not complied with E-Verify, it will notify the non-compliant Party by certified mail of the determination and of the right to appeal the determination.

XX. Termination and Abandonment

- A. The STATE and AGENCY hereby agree to the full performance of the covenants contained herein, except that STATE reserves the right, at its discretion, to terminate or abandon any portion of the project for which services have not been already performed by AGENCY.
- B. In the event STATE abandons the services or any part of the services as herein provided, STATE will notify AGENCY in writing and within twenty-four (24) hours after receiving such notice, AGENCY will discontinue advancing the work under this Contract and proceed to close said operations under the Contract.
- C. The appraisal value of work performed by AGENCY to the date of such termination or abandonment shall be made by STATE on a basis equitable to STATE and AGENCY and a final reimbursement made to AGENCY on the basis of costs incurred. Upon termination or abandonment, AGENCY will deliver to STATE all documents, completely or partially completed, together with all unused materials supplied by STATE.
- D. AGENCY may terminate or abandon this Contract upon thirty (30) days written notice to STATE, provided there is subsequent concurrence by STATE. Termination or abandonment by AGENCY will provide that costs can be incurred against the project up to and including sixty (60) days after notice is given to STATE.
- E. Any equipment or commodities which have been purchased as a part of this Contract and which have not been consumed or reached the end of its useful life will be returned to STATE upon its written request.

XXI. Cancellation Statute

All parties are hereby put on notice that this Contract is subject to cancellation pursuant to ARS §38-511, the provisions of which are stated below.

In accordance with ARS §38-511, this Contract may be cancelled without penalty or further obligation if any person significantly involved in initiating, negotiating, securing, drafting, or creating the Contract on behalf of the STATE, its political subdivisions or any department or agency of either, is at any time while the Contract or any extension of the Contract is in effect, an employee of any other party to the Contract in any capacity or a consultant to any other party of the Contract with respect to the subject matter or the Contract.

The cancellation shall be effective when written notice from the Governor or chief executive officer or governing body of the political subdivision is received by all other parties to the Contract unless the notice specifies a later time.

AGREEMENT OF UNDERSTANDING AND CERTIFICATION OF COMPLIANCE**Acceptance of Condition**

It is understood and agreed by the undersigned that a grant received as a result of this Contract is subject the Highway Safety Act of 1966, as amended (23 U.S.C.A. §§401-404), ARS §28-602, and all administrative regulations governing grants established by the USDOT and STATE. It is expressly agreed that this Highway Safety Project constitutes an official part of the STATE's Highway Safety Program and that AGENCY will meet the requirements as set forth in the accompanying Project Director's Manual, which are incorporated herein and made a part of this Contract. All State and Federal Statutes, Rules, Regulations, and Circulars referenced in this Contract are a part of this document as if fully set forth herein. It is also agreed that no work will be performed nor any obligation incurred until AGENCY is notified in writing that this project has been approved by the Governor's Highway Safety Representative.

Certificate of Compliance

This is to certify that AGENCY will comply with all of the State and Federal Statutes, Rules and Regulations identified in this Contract.

Certification of Non-Duplication of Grant Funds Expenditure

This is to certify that AGENCY has no ongoing nor completed projects under contract with other Federal fund sources which duplicate or overlap any work contemplated or described in this Contract. It is further certified that any pending or proposed request for other Federal grant funds which would duplicate or overlap work described in the Contract will be revised to exclude any such duplication of grant fund expenditures. It is understood that any such duplication of Federal funds expenditures subsequently determined by audit will be subject to recovery by STATE.

Single Audit Act

If your political subdivision has had an independent audit meeting the requirements of the Single Audit Act of 1984, (31 U.S.C.A. §7501 et. seq.), please forward a copy to GOHS, Attention: Fiscal Services Officer, within thirty (30) days of the effective date of this Contract. If such audit has not been performed, please advise when it is being scheduled.

Buy America Act

In accordance with the Buy America Act (49 U.S.C. 5323(j)):
Only steel, iron and manufactured products produced in the United States may be purchased with Federal funds unless the Secretary of Transportation determines that such domestic purchases would be inconsistent with the public interest, that such materials are not reasonably available and of a satisfactory quality, or that inclusion of domestic materials will increase the cost of the overall project contract by more than 25 percent. Clear justification for the purchase of non-domestic items must be in the form of a waiver request submitted to and approved by the Secretary of Transportation.

REIMBURSEMENT INSTRUCTIONS**1. Agency Official preparing the Reports of Costs Incurred:**

Name: Mary Truhler
Title: Accountant - Senior
Telephone Number: 623/222-1847 Fax Number: 623/222-1801
E-mail Address: Mary.Truhler@SurpriseAZ.gov

2. Agency's Fiscal Contact:

Name: Mary Truhler
Title: Accountant - Senior
Telephone Number: 623/222-1847 Fax Number: 623/222-1801
E-mail Address: Mary.Truhler@SurpriseAZ.gov
Federal Identification Number: 86-6007796

3. REIMBURSEMENT INFORMATION:**Warrant/Check to be made payable to:**City of Surprise**Warrant/Check to be mailed to:**City of Surprise Finance Department
(Agency)16000 N. Civic Center Plaza
(Address)Surprise, AZ 85374
(City, State, Zip Code)

Lobbying Restrictions

Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

- A. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- B. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned will complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- C. The undersigned will require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients will certify and disclose accordingly.
- D. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 USC §1352. Any person who fails to file the required certification will be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Signature of Project Director:

Terry Young, Chief
Surprise Police Department

Signature of Authorized Official of Governmental Unit:

Bob Wingenroth, City Manager
City of Surprise

Date Telephone

Date Telephone

RESOLUTION # 2016-46

A RESOLUTION OF THE MAYOR AND COUNCIL OF THE CITY OF SURPRISE, ARIZONA, AUTHORIZING THE CITY TO ENTER INTO A HIGHWAY SAFETY CONTRACT WITH THE STATE OF ARIZONA GOVERNOR'S OFFICE OF HIGHWAY SAFETY AND AMENDING THE FISCAL YEAR 2016 BUDGET FOR RECEIPT OF GRANT FUNDING BY REALLOCATING APPROPRIATIONS OF \$4,000 WITHIN THE GRANTS FUND.

WHEREAS, the Arizona Governor's Office of Highway Safety (GOHS) annually awards grants to local agencies to focus upon highway safety;

WHEREAS, GOHS has offered the City of Surprise an award in the amount of \$4,000 for overtime reimbursement to enforce seat belt and child passenger safety laws as part of the national "Click it or Ticket" campaign;

WHEREAS, the City of Surprise Police Department desires to accept the award;

WHEREAS, the FY2016 budget was adopted by Council Resolution #2015-53 on June 2, 2015;

WHEREAS, this action will necessitate a budget amendment; and

WHEREAS, the City of Surprise Administrative Policies requires the approval of the Mayor and Council for budget amendments of this nature.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the City of Surprise, Arizona, as follows.

Section 1. The City is hereby authorized to accept a grant award in the amount of \$4,000 from the Governor's Office of Highway Safety for the City of Surprise Police Department to enforce Arizona's safety belt and child passenger safety laws as part of the national "Click it or Ticket" campaign.

Section 2. That the City Manager, or his designees, is authorized to conduct all negotiations and to execute and submit all documents and other necessary or desirable instruments in connection with said contract.

Section 3. That the statements and schedules attached as *Exhibit A* and incorporated by reference are adopted, amending the budget of the City of Surprise, Arizona for the fiscal year July 1, 2015 through June 30, 2016.

[SIGNATURES ON THE FOLLOWING PAGE]

APPROVED AND ADOPTED this ____ day of _____, 2016.

Sharon R. Wolcott, Mayor

Attest:

Approved as to form:

Sherry Aguilar, City Clerk

Robert Wingo, City Attorney

RESOLUTION # 2016-46

Exhibit A

The FY2016 Annual Budget is amended by reallocating appropriations among lawfully available appropriations to ensure the continued operations of the City of Surprise in the payment of necessary expenditures. These allocations do not represent an actual transfer of funds, but only a transfer of spending authority. Additionally, these reallocations do not increase or decrease the total budget.

Grants and Contingency Fund	Current Appropriation	Increase (Decrease)	Amended Appropriation
Overtime	\$0	\$4,000	\$4,000
Contingency	7,757,100	(4,000)	7,753,100
	<u>\$7,757,100</u>	<u>\$0</u>	<u>\$7,757,100</u>
Federal Grant Revenue	\$0	\$4,000	\$4,000
Other Grant Revenue	7,793,900	(4,000)	7,789,900
	<u>\$7,793,900</u>	<u>\$0</u>	<u>\$7,793,900</u>

The fund changes are as follows:

- The amendment utilizes Grants Fund contingency in the amount of \$4,000 for overtime without exceeding the approved total annual budget for FY2016.



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

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Council Meeting Date: April 5, 2016
Submitting Department: City Clerk
Staff Recommendations: None

Contact Person: Sherry Aguilar, City Clerk MMC
District: Internal

Consent	x	Regular	Public Hearing	Report/Discussion
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Agenda Wording:

Consideration and action amending the fiscal year 2016 budget by reallocating appropriations of \$31,700 from grant fund contingency to the City Clerk's General Fund Personnel budget to add a staff position within the Clerk's Office; Resolution # 2016-44.

Motion:

I move to approve Resolution # 2016-44.

Background:

This request is due to an increase workload with the addition of passport services. This is a new service provided by the City and City Clerk's Office as of January 6, 2016.

Objective Analysis:

Positive impacts from this action is to provide excellent customer service for the Clerk's Office with an increase of customers due to the addition of passport services. Here are the number of customers and City fees collected to date since the start of the new program on January 6, 2016:

January - 372 processed and \$9,300. City Fees collected

February - 766 processed and \$19,150. City Fees collected

March to date (through March 21st) - 516 processed and \$12,900. City Fees collected

The program is new, therefore I am not aware of any negative impacts at this time.

Policy Compliant:

This action is compliant with City policies and procedures by providing a service which benefits the community.

Financial Impact:

The ongoing cost associated with the position is expected to be approximately \$63,400, but will only be budgeted at half that cost for FY2016. The position is necessary due to an increase work load due mainly from the addition of passport services, which is expected to create approximately \$75,000 in General Fund revenue for a full fiscal year.

Budget Impact:

This position was not included in the FY2016 adopted budget. If approved, the FY2016 Annual Budget will be amended by this action, reallocating appropriations among lawfully available appropriations and does not represent an actual transfer of funds, but only spending authority. The reallocation does not increase or decrease the total budget. The budget amendment will move \$31,700 from Grant Fund contingency to the City Clerk's personnel budget. This dollar amount is 50% of the full year cost. Starting in FY2017 the position will be included in the annual adopted budget at approximately \$63,400 in salary and related taxes/benefits. The amendment also increases the General Fund revenue budget by \$37,100 for FY2016 for previously unforeseen passport revenue.

FTE Impact:

If approved, the City Clerk's FTE count will increase by 1.0 FTE to 5.0 total FTE.

ATTACHMENTS:

Click to download

☐ [Resolution 2016-44](#)

RESOLUTION # 2016-44

A RESOLUTION OF THE MAYOR AND COUNCIL OF THE CITY OF SURPRISE, ARIZONA, AMENDING THE FISCAL YEAR 2016 BUDGET BY REALLOCATING APPROPRIATIONS OF \$31,700 FROM GRANT FUND CONTINGENCY TO THE CITY CLERK'S GENERAL FUND PERSONNEL BUDGET TO ADD A STAFF POSITION WITHIN THE CLERK'S OFFICE.

WHEREAS, the City Clerk's Office is experiencing an increase in processing passports;

WHEREAS, this increased processing of passports requires additional staff to perform this function;

WHEREAS, the FY2016 budget was adopted by Council Resolution #2015-53 on June 2, 2015;

WHEREAS, this action will necessitate a budget amendment; and

WHEREAS, City of Surprise Administrative Policies requires the approval of the Mayor and Council for budget amendments of this nature.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the City of Surprise, Arizona, as follows.

Section 1. The City Clerk's Office is authorized to make the fund source budget adjustments described and estimated in "Exhibit A."

Section 2. That the statements and schedules attached as "Exhibit A" and incorporated by reference are adopted, amending the budget of the City of Surprise, Arizona for the fiscal year July 1, 2015 through June 30, 2016.

[SIGNATURES ON THE FOLLOWING PAGE]

APPROVED AND ADOPTED this ____ day of _____, 2015.

Sharon R. Wolcott, Mayor

Attest:

Approved as to form:

Sherry Aguilar, City Clerk

Robert Wingo, City Attorney

RESOLUTION # 2016-44
Exhibit A

The FY2016 Annual Budget is amended by reallocating appropriations among lawfully available appropriations to ensure the continued operations of the City of Surprise in the payment of necessary expenditures. These allocations do not represent an actual transfer of funds, but only a transfer of spending authority. Additionally, these reallocations do not increase or decrease the total budget.

Table 1

Fund, Department, Account	Current Appropriation	Increase (Decrease)	Amended Appropriation
Grant Fund, General Operations, Contingency	\$7,607,000	(\$31,700)	\$7,575,300
General Fund, City Clerk, Personnel	\$406,200	\$31,700	\$437,900
	\$8,013,200	\$0	\$8,013,200

Table 2

Fund, Department, Account	Current Appropriation	Increase (Decrease)	Amended Appropriation
Grant Fund, General Operations, Other Grant Revenue	\$7,604,900	(\$31,700)	\$7,573,200
General Fund, City Clerk, Passport Fees	\$0	\$31,700	\$31,700
	\$7,604,900	\$0	\$7,604,900

Table 3

Department	Current FTE's	Increase (Decrease)	Amended FTE's
City Clerk	4.0	1.0	5.0

The fund changes are as follows:

- The total amendment of \$31,700 is to add an Administrative Assistant position within the City Clerk Department to assist with an increased work load for the department since passport services have been added. Since the service was not added until approximately half way through FY2016, the amendment represents funding the position for half the fiscal year. The full ongoing cost of the position is approximately \$63,400.
 - o Table 1: the budget amendment will move \$31,700 in appropriation from Grant Fund contingency to the City Clerk's General Fund personnel budget.
 - o Table 2: passport fee revenue was not included in the adopted General Fund Revenue budget, an amendment will be completed to adjust General Fund revenue by \$31,700.
 - o Table 3 details the change in FTE's for the City Clerk Department.



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

[Back](#) [Print](#)

Council Meeting Date:	April 5, 2016	Contact Person:	Tom Abbott, Fire Chief
Submitting Department:	Fire	District:	Citywide
Staff Recommendations:	None		

Consent	x	Regular	Public Hearing	Report/Discussion
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Agenda Wording:

Consideration and action approving a Federal Emergency Management Agency (FEMA) grant application through the Assistance to Firefighters Grant (AFG) program for Staffing for Adequate Fire and Emergency Response (SAFER) in the amount of \$737,850; Resolution # 2016-50.

Motion:

I move to approve Resolution # 2016-50.

Background:

The SAFER Grant was created to provide funding directly to fire departments and volunteer firefighter organizations to help increase the number of trained, "front line" firefighters available in their respective communities. The Surprise Fire-Medical Department (SFMD) applied for this competitive grant in FY2015 and was unsuccessful in the process. SFMD would like to submit an application in FY2016 for five firefighter positions. The period of performance is two years non-veterans and three years for any veteran that is hired.

Objective Analysis:

The primary goal of the AFG grant is to meet the emergency response and firefighting needs of fire and emergency medical response jurisdictions. Since 2001, AFG has helped first responders to obtain critically needed personal protective equipment (PPE), emergency vehicles, training, and staffing resources needed to protect the public and first responders from fire and related hazards. While the SAFER grant is a very competitive grant program in the category of hiring firefighters, it has proven to be an incredible resource to awarded jurisdictions nationally. This grant, if awarded, would provide the financial resources to pay the salary and benefits (\$737,850) for five firefighters while simultaneously ensuring citizen and responder safety for a period of two years for non-veterans and three years for veterans. The staffing hired with this grant would be used to deploy a Peak Time Unit (paramedic engine company) for 40 hours per week, thus improving response initiatives citywide.

Policy Compliant:

All policies and protocols on a local, state and national level will be adhered to including FEMA's requirement that no layoffs occur during the period of performance.

Financial Impact:

None at this time, however if awarded, the SAFER grant is a minimum two year grant with no city match requirements. The grant would provide the needed salaries for five firefighters for two years, with the potential option for a third year if veterans are hired. There is a requirement that the City of Surprise maintain staffing levels throughout the two year performance period. The requirement to sustain those positions past the performance period has been lifted. The salaries with approved benefits totals \$737,850 for the two year period.

If awarded, there would be a one-time fiscal impact for equipment and training for each of the five firefighters. These one-time costs include physicals, personal protective equipment, badges, self-contained breathing apparatus, recruit academy, etc. The cost per firefighter is estimated at \$10,600 with a total cost of \$53,000. One of the department's three reserve engines would be used to deploy the Alternative Response Unit (ARU) program.

Budget Impact:

None at this time; however if awarded, SFMD will return to Council with the required budget amendment.

FTE Impact:

None at this time; however, if awarded, five new firefighters would be hired to comply with the grant requirements.

ATTACHMENTS:

Click to download

- ☐ [FY2015 SAFER Grant Application](#)
 - ☐ [FY2015 SAFER NOFA](#)
 - ☐ [RESOLUTION 2016-50 SAFER GRANT APPL](#)
-

Applicant's Acknowledgements

* I certify the DUNS number in this application is our only DUNS number and we have confirmed it is active in SAM.gov as the correct number.

* As required per 2 CFR § 25, I certify that prior to submission of this application I have checked the DUNS number listed in this application against the SAM.gov website and it is valid and active at time of submission.

* I certify that the applicant organization has consulted the appropriate Notice of Funding Opportunity and that all requested activities are programmatically allowable, technically feasible and can be completed within the award's Period of Performance (POP).

* I certify that the applicant organization is aware that this application period is open from 02/22/2016 to 03/25/2016 and will close at 5 PM EST; further that the applicant organization is aware that once an application is submitted, even if the application period is still open, a submitted application cannot be changed or released back to the applicant for modification.

* I certify that the applicant organization is aware that it is solely the applicant organization's responsibility to ensure that all activities funded by this award(s) comply with Federal Environmental planning and Historic Preservation (EHP) regulations, laws, and Executive Orders as applicable. The EHP Screening Form designed to initiate and facilitate the EHP Review is available at: http://www.fema.gov/media-library-data/1431970163011-80ce3cd907072a91295b1627c56d8fd2/gpd_ehp_screening_form_51815.pdf.

* I certify that the applicant organization is aware that the applicant organization is ultimately responsible for the accuracy of all application information submitted. Regardless of the applicant's intent, the submission of information that is false or misleading may result in actions by FEMA that include, but are not limited to: the submitted application not being considered for award, an existing award being locked pending investigation, or referral to the Office of the Inspector General.

* I certify that the applicant organization is aware that the grants awarded under this funding opportunity are provided a recruitment period, which begins when the application is approved for award. The recruitment period for grants awarded under the Hiring of Firefighters Category is 180-days and the period of performance automatically starts after the recruitment period, regardless of whether the grantee has successfully hired the requested firefighters. The recruitment period for Recruitment & Retention of Volunteer Firefighters Category is 90-days and the period of performance automatically starts after the recruitment period.

* I certify that the applicant organization will, to the extent practicable, seek, recruit, and hire members of racial and ethnic minority groups and women to increase their ranks within their organization.

* I certify that, if awarded under the Hiring of Firefighters Category, the applicant organization, will assure a policy will be put into place, or is currently in place, ensuring that positions filled under this grant are not discriminated against, or prohibited from, engaging in volunteer firefighting activities in another jurisdiction during off-duty hours. (If applying under the Recruitment and Retention of Volunteer Firefighters Category, this does not apply, however, in order to move forward in the application process, you must complete this question).

Signed by **Kimberly A Drabik** on **2016-02-23**

Overview

* Are you a member, or are you currently involved in the management of the fire department or organization applying for this grant with this application?	
Yes, I am a member/officer of this applicant	

If you answered **No**, you must please complete the preparer information below. If you answered **Yes**, please skip the Preparer Information section.

Note: Fields marked with an * are required.

Preparer Information	
Preparer's Name	
Address 1	
Address 2	
City	
State	
Zip	Need help for ZIP+4?
Primary Phone	Ext. Select
Email	

In the space below please list the person your fire department or organization has selected to be the **Primary Point of Contact** for this grant. This should be an officer, member, or employee of the fire department or organization applying for the grant that will see the grant through completion, has the authority to make decisions on and to act upon this grant application.

The Primary Contact, as listed below, is the person for which all exchanges of information will be made relative to the application; all information provided must be specific to the contact listed. The Primary Contact must be an employee of the fire department or organization applying for the grant and shall not be a grant writer or a non-employee of the fire department or organization.

In addition to the Primary Contact information, you will be asked to provide two (2) Alternate Points of Contact on the next page. The Alternate Contacts must be familiar with the application and must be able to answer any questions relative to this application in the event that Primary Point of Contact is unavailable. When you are finished, click the Save and Continue button below.

Reminder: Please list only phone numbers and an email address where we can get in *direct contact* with the respective point of contact(s). If this contact changes at any time during the period of performance please update this information.

Note: Fields marked with an * are required.

Primary Point of Contact	
* Title	Management Financial Analyst S
Prefix	Mrs.
* First Name	Kimberly
Middle Initial	A
* Last Name	Drabik
* Primary Phone	623-222-5030 Ext. Type work
* Secondary Phone	623-810-4630 Ext. Type home
Optional Phone	Ext. Type Select
Fax	623-222-5002
* Email	kimberly.drabik@surpriseaz.gov

Contact Information

Alternate Contact 1 Information	
* Title	Fire Chief
Prefix	Mr.
* First Name	William
Middle Initial	
* Last Name	Abbott
* Primary Phone	623-222-5000 Ext. Type work
* Secondary Phone	480-250-5404 Ext. Type cell
Optional Phone	Ext. Type Select
Fax	623-222-5002
* Email	tom.abbott@surpriseaz.gov

Alternate Contact 2 Information	
* Title	Assistant Fire Chief
Prefix	Mr.
* First Name	Darrell
Middle Initial	
* Last Name	Johnston
* Primary Phone	623-222-5020 Ext. Type work
* Secondary Phone	602-799-4373 Ext. Type cell
Optional Phone	Ext. Type Select
Fax	623-222-5002
* Email	darrell.johnston@surpriseaz.gov

Applicant Information

Applicant Information	
* Organization Name	City of Surprise Fire Department
* What kind of organization do you represent?	All Paid/Career
If you answered "Combination" above, what is the percentage of career members in your organization?	%
* Type of Jurisdiction Served	City
If "Other", please enter the type of jurisdiction served	
* In what county/parish is your organization physically located? If you have more than one station, in what county/parish is your main station located?	Maricopa County
SAM.gov (System For Award Management)	
* What is the legal name of your Entity as it appears in SAM.gov? Note: This information must match your SAM.gov profile if your organization is using the DUNS number of your Jurisdiction.	City of Surprise
* What is the legal business address of your Entity as it appears in SAM.gov? Note: This information must match your SAM.gov profile if your organization is using the DUNS number of your Jurisdiction.	
* Mailing Address 1	16000 North Civic Center Plaza
Mailing Address 2	
* City	Surprise
* State	Arizona
* Zip	85374 - 9002 Need help for ZIP+4?
* Employer Identification Number (e.g. 12-3456789) Note: This information must match your SAM.gov profile.	86-6007796
* Is your organization using the DUNS number of your Jurisdiction?	Yes
* I certify that my organization is authorized to use the DUNS number of my Jurisdiction provided in this application. (Required if you select Yes above)	☒
* What is your 9 digit DUNS number?	021648936 (call 1-866-705-5711 to get a DUNS number)
If you were issued a 4 digit number (DUNS plus 4) by your Jurisdiction in addition to your 9 digit number please enter it here. Note: This is only required if you are using your Jurisdiction's DUNS number and have a separate bank account from your Jurisdiction. Leave the field blank if you are using your Jurisdiction's bank account or have your own DUNS number and bank account separate from your Jurisdiction.	
* Is your DUNS Number registered in SAM.gov (System for Award Management previously CCR.gov)?	Yes
* I certify that my organization/entity is registered and active at SAM.gov and registration will be renewed annually in compliance with Federal regulations. I acknowledge that the information submitted in this application is accurate, current and consistent with my organization's/entity's SAM.gov record.	☒
Headquarters or Main Station Physical Address	

* Physical Address 1	14250 W Statler Pl
Physical Address 2	Suite 101
* City	Surprise
* State	Arizona
* Zip	85374 - 9002 Need help for ZIP+4?
Mailing Address	
* Mailing Address 1	16000 North Civic Center Plaza
Mailing Address 2	
* City	Surprise
* State	Arizona
* Zip	85374 - 9002 Need help for ZIP+4?
Bank Account Information	
* The bank account being used is: (Please select one from right)	Note: If this is selected, a 4 digit DUNS plus 4 is required if you answered "YES" to using the DUNS number of your Jurisdiction. Maintained by my Jurisdiction
Note: The following banking information must match your SAM.gov profile.	
* Type of bank account	Checking
* Bank routing number - 9 digit number on the bottom left hand corner of your check	121000248
* Your account number	4159507433
Additional Information	
* For this fiscal year (Federal) is your jurisdiction receiving Federal funding from any other grant program that may duplicate the purpose and/or scope of this grant request?	No
* If awarded, will your organization expend more than \$750,000 in Federal funds during your organization's fiscal year? If yes, your organization may be required to undergo an A-133 audit. <i>Under the Recruitment and Retention of Volunteer Firefighters Category</i> , reasonable costs incurred for an A-133 audit is an eligible expenditure and should be included in the applicant's proposed budget. Please enter audit costs only once in the "Request Details" section of the application.	Yes
* Is the applicant delinquent on any federal debt?	No
If you answered "Yes" to any of the additional questions above, please provide an explanation in the space provided below:	
The City of Surprise as a whole may expend more than \$750,000 pending other outstanding federal grant applications citywide. The Surprise Fire-Medical Department will not expend more than \$750,000. The City of Surprise Finance Department, however, includes an A-133 audit as part of their comprehensive annual audit process. This documentation can be provided to FEMA AFG if awarded this grant.	

Applicant Characteristics (Part I)

* Is this application being submitted on behalf of a Federal Fire Department or organization contracted by the Federal government which is solely responsible for the suppression of fires on Federal property?	No
* Please indicate the type of community your organization serves.	Suburban
* Please describe your organization and/or the community that you serve.	The City of Surprise is located northwest of Phoenix, and was considered one of the fastest growing metropolitan areas in the United States. Surprise experienced growth with resident populations increasing from 30,848 in 2000 to 123,546 in 2013 according to U.S. Census Bureau statistics. This is a 301% increase (92,698) and makes Surprise the tenth largest city in Arizona. A six square mile industrial area in southern Surprise is also the only open industrial land available with rail service in Maricopa County. The major rail line between Los Angeles and Phoenix passes through Surprise. Surprise features numerous community parks, pools, libraries, senior centers and year round resort communities. Key attractions are the Surprise Tennis and Racquet Complex and the Surprise Sports Stadium, which is home of the Texas Rangers and the Kansas City Royals. The Surprise Fire-Medical Department (SFMD) is a 7-station, full service career 113 staffed department that provides all hazard responses throughout a 109 square-mile jurisdiction and has strip annexed geographical boundaries to 309 square miles. The SFMD holds true to our mission of preserving life and property with the highest level of safety, customer service, pride and professionalism. The all hazard response includes fire protection, suppression, investigation, inspection, advanced life support emergency medical services, ambulance ground transportation, community paramedicine, wildland firefighting and hazardous material, mass casualty and decontamination response capabilities. SFMD also participates in the Helicopter Air-Medical Logistics Operations (HALO) program. Surprise Fire currently has 63 paramedics and 22 hazardous material technicians. The department maintains a 4-person deployment model consisting of two paramedic minimum on every fire apparatus. In 2015 SFMD received a Certificate of Necessity (CON) allowing the transportation of patients via ground ambulance, staffed with 1 EMT and 1 Paramedic/shift.
* What is the square mileage of your first-due response area? Primary/First Due Response Area is a geographical area proximate to a fire or rescue facility and normally served by the personnel and apparatus from that facility in the event of a fire or other emergency and does not include daily or seasonal population surges.	109

* What percentage of your primary response area is protected by hydrants?	70 %
* Does your organization protect critical infrastructure?	Yes
If Yes, please describe the critical infrastructure protected.	
The City of Surprise (COS) is located in the northwest portion of the Phoenix Urban Area Security Initiative region, which is ranked 16th in overall hazard assessment by the U.S. Department of Homeland Security. The region is home to the nation's 3rd largest university, the country's largest nuclear power plant, is within 170 miles of the border with Mexico and three tribal nations. The Phoenix area also includes large-scale special events, including the Fiesta Bowl, BCS Championship Series, Buffalo Wild Wings Bowl, Cactus League and four major professional sports teams. The COS has within its response area 14 of the 16 sectors classified as Critical Infrastructure and Key Resources (CIKR). The only two CIKR not located in the COS are Financial Services and Critical Manufacturing. Incapacitation or destruction of CIKR would have a debilitating effect on security, national/regional economic security, national/regional public health or safety, or any combination thereof. The CIKR within the COS are located throughout the geographical area and represent major components of the city's economy, security, and health. The COS response area includes two large facilities within the healthcare and public health sector, both are privately owned. The two hospitals provide 876 patient beds, 156,500 inpatient/outpatient visits/year, 98,074 emergency department visits/year, and has 3,494 employees. COS General Water and Wastewater Facility provides all the water needs for the COS including the treatment of wastewater and the distribution of reclaimed water to the surrounding areas. The COS transportation system consists of US60 and SR303, passenger and freight rail, pipelines, and postal shipping. The energy sector infrastructure includes significant electrical substations, petroleum distillation, and propane gas storage in a large cavern. Palo Verde Nuclear Generating Station is considered to be the largest nuclear energy facility in the U.S. and is within the region of the COS and provides electrical power throughout the southwest to over five million people. McMicken Dam, Central Arizona Project canal, and the SRP Channel are within the COS. McMicken Dam is an earthen dam 10 miles long and 34 ft. high within the COS. Luke Air Force Base is positioned in the Surprise Fire Medical Department's area of response. Incidents at the base range from medical calls to downed aircraft. The COS has a high number of commercial facilities within its boundaries. One of the sites is the Surprise Sports Complex that hosts' over 29 spring training games for the Texas Rangers and Kansas City Royals collectively, increasing the volume of visitors by 56,000 during this period. The communications sector is an integral component of the Surprise economy. The primary chemical sector in the response area for the COS is Fertizona. The agriculture sector makes up a smaller portion of the CI (4% of undeveloped land) and is almost entirely privately owned within the city limits.	
(Percentages in three answers below must sum up to 100%)	
* How much of your primary response area is for agriculture, wildland, open space, or undeveloped properties?	4%
* What percentage of your primary response area is for commercial and industrial purposes?	20 %
* What percentage of your primary response area is used for residential purposes?	76 %
* How many occupied structures (commercial, industrial, residential, or institutional) in your primary response area are more than three (3) stories tall? Do not include structures which are not regularly occupied such as silos, towers, steeples, etc.	7
* What is the permanent resident population of your Primary/First-Due Response Area or jurisdiction served?	123546
* Do you have a seasonal increase in population?	Yes
If Yes what is your seasonal increase in population?	10000
* How many stations are operated by your organization?	7
* Please indicate if your department has a formal automatic/mutual aid agreement with another	

community or fire department and the type of agreement that exists.	Both automatic and mutual aid
---	-------------------------------

* What services does your organization provide?

Advanced Life Support	Emergency Medical Responder	
	Haz-Mat Operational Level	
Basic Life Support	Haz-Mat Technical Level	Structural Fire Suppression
Community Paramedic		Wildland Fire Suppression

Active Firefighting Staff, use these definitions to answer the questions about "firefighter" positions.

Active Firefighter Position	An individual having the legal authority and responsibility to engage in fire suppression; being employed by a fire department of a municipality, county, or fire district; being engaged in the prevention, control, and extinguishing of fires; and/or responding to emergency situations in which life, property, or the environment is at risk. This individual must be trained in fire suppression, but may also be trained in emergency medical care, hazardous materials awareness, rescue techniques, and any other related duties provided by the fire department.
Full-time Paid Firefighter Position	Full-time positions are those that are funded for at least 2,080 hours per year (i.e., 40 hours per week, 52 weeks per year.) The program office will also consider funding the sharing of a full-time position with sufficient justification. A job-share position is a full-time position that is occupied by more than one person.
Part-time Paid Firefighter Position	Part-time paid firefighters receive pay for being on duty at the fire station, whether or not they respond to any alarms. They may or may not receive benefits.
Volunteer Firefighter Position	Volunteer firefighters receive no financial compensation for their services other than life/health insurance, workers compensation insurance, and/or stipend per call.

SAFER intends to improve or restore local fire departments' staffing and deployment capabilities so they may more effectively respond to emergencies. With the enhanced or restored staffing, a SAFER grantee's response time will be reduced sufficiently and an appropriate number of trained personnel will be assembled at the incident scene. The following questions are designed to help us understand the staffing changes that have occurred in your department over the past several years and how the grant will assist in restoring your staffing levels.

Use the following definitions when completing the table below.

Total # of Operational Career Personnel — this number represents the total number of **authorized and funded active, full-time uniformed/operational career positions** employed by your department on the dates indicated. (Note: only operational positions — including operational officers - should be included)

Operational Officers — of the operational career positions indicated in the "Total # of Operational Career Personnel" question, how many of those serve in **operational officer-level (both command and company) positions**?

NFPA Compliance — of the "Total # of Operational Career Personnel" indicated, how many are assigned to **field or response apparatus positions that directly support the department's compliance** with NFPA 1710 (Section 5.2.4.2 — Initial Full Alarm Assignment Capability) or NFPA 1720 (Section 4.3 — Staffing and Deployment)? (Note: Officers should **only** be included in this number if they **directly support the department's compliance** with NFPA 1710 or NFPA 1720 compliance)

Note: The number of **career positions** in any of these fields should include positions which are job-shared. Job-shared positions will be counted as one (1) regardless of how many personnel fill those positions.

For more information regarding these standards please see the Notice of Funding Opportunity or go to

www.nfpa.org/saferactgrant

	Total # of Operational Career Personnel	# Operational Officers	# NFPA Support
* Staffing levels at the start of the application period	113	14	99
* Staffing levels at one year prior to the start of the application period	113	12	101
* Staffing levels at two years prior to the start of the application period	111	11	100
* If awarded this grant, what will the staffing levels be in your department? (Whole Numbers only)	118	14	104
* Please provide details on the department's existing staffing model (i.e., number of shifts, number of positions per shift, contracted work hours, etc.)			
The Surprise Fire-Medical Department is a 7-station, full service career staffed department. The department maintains 24-7 coverage with a 4-person deployment model consisting of a minimum standard of two paramedics on each apparatus; the other two being full trained EMTs and all 4 members are FF I & II certified. The SFMD's emergency response units are staffed consistently throughout the city with trained and qualified personnel who were selected through competitive testing to obtain their positions. All fire personnel are required to be certified as a Firefighter I & II, pursuant to the State of Arizona training requirements. In addition, response personnel are at a minimum Emergency Medical Technician-Basic certified as per Arizona Department of Health. Ladder trucks are cross-staffed by hazardous material technicians (the HazMat/ Ladder fire officer at station 305 decides which apparatus to respond in based on the type of incident, structure, and dispatch). Ladder crews have gone through additional training to become "ladder qualified." All Haz-Techs are "ladder qualified". Department staffing policy requires four personnel on each apparatus, regarding station 305 there will be no less than 3 Haz-Mat techs on L305/ LT305/ HM305 with one member possibly not being certified. It is the intent of the SFMD to staff all Engine & Ladder Companies at a minimum of (4) four personnel of which two (2) shall be Paramedics and (3) Hazardous Material Technicians on Hazardous Materials units. When crews do not meet the minimum deployment standard, staffing may be filled with the next available qualified personnel on the overtime list. The basic single Engine or Ladder Deployment model is comprised of (1 Captain, 1 Engineer, 2 Firefighter) the Paramedics can be in any configuration. The 4 firefighters make up a single Engine company or Ladder company that operate as a unit for a shift. Each shift is 48 hours. The SFMD runs a shift rotation consisting of three shifts that operate as scheduled (A,B, and C). There are a total of (7) 4-person companies (base on stations), (1) 2-person company (Battalion Chief), and (1) 2-person non-sworn, advanced life support, ground transportation ambulance maintains 24-7 coverage, as well as a co-manned community healthcare unit transporting behavioral health patients. SFMD works off of a 28 day work cycle and a 56 hour work period equaling 106 hours of straight time and receives 6 hours of FLSA at time and a half 1.5, totaling 112 hours per pay period, and 212 hours in the cycle with a total yearly total of 2912 hours worked. The COS staffing standards align with the National Institute of Standards and Technology's(NIST) and the National Fire Protection Association's recommendations on staffing apparatus with 4 personnel on each as a minimum. NIST studies for both fire and emergency medical incidents conclude that critical activities are completed faster and safer with a 4 person crew rather than a 3 or fewer personnel.			
* Does your department utilize part-time paid firefighters?	No		
If Yes, please provide details on how the part-time firefighters are used within your department to include the number of part-time firefighters, the number of full-time, NFPA compliant positions these part-time firefighters occupy, if applicable, and how they are scheduled to meet your staffing needs.			
N/A			
* Does your department utilize reserve/relief paid firefighters?	No		
If yes, please provide details on how the reserve/relief firefighters are used within your department to include the number of reserve/relief firefighters, the number of full-time, NFPA compliant positions these part-time firefighters occupy, if applicable, and how they are scheduled to meet your staffing needs.			
N/A			

* Do you currently report to the National Fire Incident Reporting System (NFIRS)? Note: You will be required to report to NFIRS for the entire period of the grant.	Yes
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Applicant Characteristics (Part II)

	2015	2014	2013
* What is the total number of fire-related civilian fatalities in your jurisdiction over the last three calendar years?	0	0	1
* What is the total number of fire-related civilian injuries in your jurisdiction over the last three calendar years?	0	0	0
* What is the total number of line of duty member fatalities in your jurisdiction over the last three calendar years?	0	0	0
* What is the total number of line of duty <u>member injuries</u> in your jurisdiction over the last three calendar years?	44	42	31
* What is your department's operating budget (i.e., personnel, maintenance of apparatus, equipment, and facilities; utility costs; purchasing expendable items, etc.) for the current (at time of application) fiscal year and for the previous three fiscal years? Please indicate in the text box next to each of the budget figures what fiscal year that amount pertains to.	18355600 Budget: 17986300 Fiscal Year: 2015 Budget: 15614925 Fiscal Year: 2014 Budget: 14622182 Fiscal Year: 2013		
* What percentage of your operating budget is dedicated to personnel costs (salary, benefits, overtime costs, etc.)?	87 %		
* Does your department have any rainy day funds, rainy day reserves, or emergency funds?	No		
If yes, what is the total amount currently set aside?	0		
If yes, what are the funds ear-marked for?	N/A		
* What percentage of your annual operating budget is derived from: Enter numbers only, percentages must sum up to 100%			
Taxes?	0 %		
Bond Issues	0 %		
EMS Billing?	2.54 %		
Grants?	0 %		
Donations?	0 %		
Fund drives?	0 %		
Fee for Service?	1.86 %		
Other?	95.60 %		
If you entered a value into the "Other" field (other than 0), please explain:	SFMD is fully funded through the City's general fund. The department collects revenues for contracted ALS transports (\$466K), program fees, reports, and plan reviews but the revenues generated in these areas are nominal and go to the general fund. In FY15, SFMD revenues accounted for 2.6% of the department's overall budget. FY16 is on target to do the same. The city has a retail tax rate of 2.2%, a state tax rate of 6.6% and adopted a property tax levy of 0.7591/\$100 which will sustain the \$6.5 million in		

taxes collected in FY16. However, sales and property taxes are in the City's general fund and are not directly allocated to the Fire Department. Taxes account for 72% of the city's FY16 operating budget. While 11% of the FY16 budget is in grants, 15% in service fees and 2% in other. The City lost 11% in staffing since 2008 and is attempting to rebuild, therefore the City prioritizes general funds to those needs first as well as to utility increases and necessary service agreements.

* How many **frontline** vehicles does your organization have in each of the types or classes of vehicle listed below that respond to first alarm assignments in support of NFPA 1710/1720? You must include vehicles that are leased or on long-term loan as well as any vehicles that have been ordered or otherwise currently under contract for purchase or lease by your organization but not yet in your possession. If you have multiple vehicles of the same type which have a different number of riding positions, please use the "average" number and provide additional information in the text box provided. Enter numbers only and enter 0 if you do not have any of the vehicles below.

Type or Class of Vehicle	Number of Frontline Vehicles	Number of Available Riding Positions per Frontline Vehicle	Number of Filled Riding Positions per Frontline Vehicle per first alarm assignment
Engines or Pumpers (pumping capacity of 750 gpm or greater and water capacity of 300 gallons or more): Pumper, Pumper/Tanker, Rescue/Pumper, Foam Pumper, CAFS Pumper, Type I or Type II Engine Urban Interface	6	36	4
Ambulances for transport and/or emergency response	1	0	0
Tankers or Tenders (pumping capacity of less than 750 gallons per minute (gpm) and water capacity of 1,000 gallons or more):	1	2	0
Aerial Apparatus: Aerial Ladder Truck, Telescoping, Articulating, Ladder Towers, Platform, Tiller Ladder Truck, Quint	1	6	4
Brush/Quick attack (pumping capacity of less than 750 gpm and water carrying capacity of at least 300 gallons): Brush Truck, Patrol Unit (Pickup w/ Skid Unit), Quick Attack Unit, Mini-Pumper, Type III Engine, Type IV Engine, Type V Engine, Type VI Engine, Type VII Engine	2	6	0
Rescue Vehicles: Rescue Squad, Rescue (Light, Medium, Heavy), Technical Rescue Vehicle, Hazardous Materials Unit	2	10	0
Additional Vehicles: EMS Chase Vehicle, Air/Light Unit, Rehab Units, Bomb Unit, Technical Support (Command, Operational Support/Supply), Hose Tender, Salvage Truck, ARFF (Aircraft Rescue Firefighting), Command/Mobile Communications Vehicle	1	4	2

Please use this comments section if you wish to provide any additional information with regards to the **Type or Class of Vehicle** section above.

Engines- SFMD fleet is made up of Type I(s), E-One Cummins V6 with Allison transmissions. All engines are equipped with Single stage pumps with flow ratings of 1500 gpm. All pumps have a maximum pumping pressure of 250 psi. Tanks are 750 gallons. Engines are located at stations 301, 302, 303, 306, and 307. Station

304 is equipped with an International Type 3 DT-570, V-6 7400 4X4 Place chassis with a Hale pump and transmission operating with a PTO single stage rated pump with a flow capacity of 750 and a maximum pump pressure 150 psi. This unit is in a rural, undeveloped area, with heavy vegetation and is equipped accordingly for urban inter-face.

A Tender also at station 304 is a 2008 Kenworth T3 conventional with Cummins PX8 V6. Its tank capacity is 2200 gallons and is equipped with a PTO Hale pump with a flow rating of 500 gpm and maximum rated pressure of 150 psi. 2006 E-One Bronto Ladder out of station 305 has a 114' Boom on a Cyclone chassis and a V6 Detroit Diesel and an Allison Transmission. This unit is equipped with a water way, but not equipped with a pump. Unit Cross-staffed. Ladder Tender (LT) located at station 305 is an E-One Typhoon on an E-One chassis with a Cummins V6 with Hale transmission. The LT is equipped with Single stage pump with a flow rating of 500 gpm. The pump has a maximum pumping pressure of 250 psi. The tank holds 500 gallons, Unit Cross-staffed. Hazardous Material out of station 305 is 2009 SVI Gladiator on a Spartan Chassis and a Cummins V6. This unit is a specialty unit and is only used on Haz-Mat calls. This unit is not equipped with a pump. Unit Cross-staffed. Command vehicle Dodge 2500 Megacab 4X4 V8 stationed out of 305. 2 SFMD Brush trucks made up of Ford F350 4X4s V-8 Ford diesel with portable pumps/kits and equipped accordingly for wildland activities. Water capacity is 250 gallons. One is located at station 307 the other at station 303 due to close proximity of BLM land. Type III Ford E350 Express 144" Module Ambulance.

Department Call Volume

	2015	2014	2013
* Summary of responses per year by category (Enter whole number only. If you have no calls for any of the categories, Enter 0)			
Fire - NFIRS Series 100	236	222	238
Overpressure Rupture, Explosion, Overheat (No Fire) - NFIRS Series 200	7	0	3
Rescue & Emergency Medical Service Incident - NFIRS Series 300	12547	11019	10053
Hazardous Condition (No Fire) - NFIRS Series 400	94	101	86
Service Call - NFIRS Series 500	1066	1286	1318
Good Intent Call - NFIRS Series 600	1774	1523	1423
False Alarm & False Call - NFIRS Series 700	711	674	739
Severe Weather & Natural Disaster - NFIRS Series 800	1	2	1
Special Incident Type - NFIRS Series 900	0	0	0
FIRES			
* How many responses per year by category? (Enter whole number only. If you have no calls for any of the categories, Enter 0)			
Of the NFIRS Series 100 calls, how many are "Structure Fire" (NFIRS Codes 111-120)	88	89	76
Of the NFIRS Series 100 calls, how many are "Vehicle Fire" (NFIRS Codes 130-138)	42	36	43
Of the NFIRS Series 100 calls, how many are "Vegetation Fire" (NFIRS Codes 140-143)	18	18	26
What is the total acreage of all vegetation fires?	16	2	2
RESCUE AND EMERGENCY MEDICAL SERVICE INCIDENTS			
* How many responses per year by category? (Enter whole number only. If you have no calls for any of the categories, Enter 0)			
Of the NFIRS Series 300 calls, how many are "Motor Vehicle Accidents" (NFIRS Codes 322-324)	676	615	584
Of the NFIRS Series 300 calls, how many are "Extrications from Vehicles" (NFIRS Code 352)	10	8	4
Of the NFIRS Series 300 calls, how many are "Rescues" (NFIRS Codes 300, 351, 353-381)	5	3	3
How many EMS-BLS Response Calls	4101	3789	3637
How many EMS-ALS Response Calls	7732	6600	5824
How many EMS-BLS Scheduled Transports	0	0	0
How many EMS-ALS Scheduled Transports	0	0	0
How many Community Paramedic Response Calls	0	0	0
MUTUAL AND AUTOMATIC AID			
* How many responses per year by category? (Enter whole number only. If you have no calls for any of the categories, Enter 0)			
How many times did your organization receive Mutual Aid?	24	16	35
How many times did your organization receive Automatic Aid?	1996	1514	1509
	42	61	83

How many times did your organization provide Mutual Aid?			
How many times did your organization provide Automatic Aid?	2079	2237	1776
Of the Mutual and Automatic Aid responses, how many were structure fires?	66	52	63

Request Details

The activity for your organization is listed in the table below.

Category	Number of Entries	Total Cost	Action
Hiring of Firefighters	1	656305	View Details

Request Details

Activity							Action
Hiring of Firefighters							View Details
Type of positions	Number of positions	Cost Per Firefighter				Overall Total	Action
New	5	Compensation Per Firefighter	1st Year	2nd Year	Total	656305	View Details
		Annual Salary	49655	51661	101316		
		Annual Benefits	14676	15269	29945		
		Totals	64331	66930	131261		

View Budget Item

* What type of position is being requested in this budget line item?	Hiring new firefighters to enhance compliance with the applicable sections of NFPA 1710/1720 as described in the Notice of Funding Opportunity.
As you are aware, grants awarded under the <i>Hiring of Firefighters Category</i> requires grantees to maintain their staffing levels and incur no lay-offs during the period of performance of the grant. Therefore, it is imperative that your department have the support of your governing body. In order to ensure that there is a clear understanding of the long-term obligations of a SAFER grant and that, if awarded, all parties involved are committed to fulfilling those requirements upon acceptance of the award; we are requesting a letter from your governing body stating their commitment of the above requirement. The letter should be prepared on your governing body's letterhead and addressed to: Catherine Patterson, Branch Chief Assistance to Firefighters Grants Branch DHS/FEMA 800 K Street NW Mailstop 3620 Washington DC 20472-3620 If you have received the letter, you may attach it here. (Note: only .doc and .pdf files will be accepted) If you do not have the letter at this time, you may submit a signed copy of the letter as soon as you are able via fax to 202-786-9938 or via e-mail to firegrants@fema.dhs.gov.	
* How many full-time firefighter positions, including job-shares, are you requesting? Note: Applicants requesting positions under the rehire, retention, or attrition subcategories can request up to the number of positions that have been laid-off, received official notification of layoff action, or vacated due to attrition prior to the start of the application period as described in the Notice of Funding Opportunity. Note: if the positions being requested were not job-shared when the position was vacated, then you will not be eligible to job-share these positions if awarded. "Full-time" is considered 2,080 hours or more worked per year and entitles the employee to receive benefits earned by the other full-time employees in the organization. "Job-share" is the term used to describe the hiring of more than one person to fill one full-time position. Part-time positions are less than 2,080 hours per year. Often part-time employees do not earn benefits or do not earn them at the same rate or level as full-time employees	5

If you are requesting to fund a full-time position(s) that will be "shared" by more than one individual (i.e., job-shared), please indicate how many individuals will fill that position, how they will be used to fill the position(s), provide an explanation as to why the position will be shared, and indicate whether or not this position is currently being job-shared. For applicants who are applying under the rehire, retention, and/or attrition activities, if the positions being requested were not job-shared when the position was vacated, then you will not be eligible to job-share these positions if awarded.	N/A
* What are the anticipated annual salary and benefits costs, for the two year period of performance, per requested position?	Year 1 annual Salary: \$ 49655 Year 1 annual Benefits: \$ 14676 Year 2 annual Salary: \$ 51661 Year 2 annual Benefits: \$ 15269
What are the standard benefits your department provides to employees? How were the costs requested above determined?	SFMD calculates 30% in total benefits for operational staff. The FY16 Operations budget is \$13.6 million with \$9.5 million going to salaries and OT/FLSA. The base salary and overtime accounts for 69% of the personnel budget in operations. The requested positions would however be working 2080 hours/year versus the 2912 that our current A, B and C operational staff work. Some of the benefitted costs include public safety retirement calculated at 11%, workers compensation 3.3%, medical, dental and life insurance 10%, FICA 1.45%, uniform stipends 1%, paid holidays 3% and MOU negotiated PTO 4%. The PTO was not included in SFMD's wage estimates for this grant as this is a cost that would be incurred by the department. The starting wage of FF1 is \$23.87/hr working a 2080 schedule. The benefits added come to 30% of that wage or \$7.06/hr. Thus the wage with benefits comes to \$30.93 per firefighter in the first year. The total salary plus benefit cost for one firefighter would be \$64,331. The total cost for five firefighters in year one is \$321,655. SFMD would need to increase their budgeted strength of paramedics by two if this grant is awarded. All premiums and training costs for the paramedic would be incurred by the department. The 2nd year factors in a potential 2% COLA and the FF step 2 rates working 2,080 hours/year; thus bringing the 2nd year average salary to \$51,661 and the 2nd year average benefit amount to \$15,268. The total salary plus benefit cost for one firefighter in year two would be \$66,930.

The total cost for five firefighters in year two is \$334,650. The total amount for the grant is \$656,305.

Close Window

Budget**Hiring of Firefighters:**

There is a two-year period of performance for grants awarded under the Hiring of Firefighters Category. Should the actual salary and benefits costs submitted for reimbursement exceed awarded Federal funds the grantee will be obligated to pay 100 percent of those costs. Therefore, please be sure you have provided accurate salary and benefit information and have confirmed this information with your Human Resources and/or Financial Office.

If you want to change any of the budget amounts on the matrix, you will need to update the salary and benefit information on the previous Request Details screen.

Budget Matrix			
	First 12-Month Period	Second 12-Month Period	Total
Personnel	248,275	258,305	506,580
Benefits	73,380	76,345	149,725
Total:	321,655	334,650	656,305
Total Federal Share	321,655	334,650	656,305

Narrative Statement for Hiring of FireFighters*** Element #1 - Project Description (30%):**

*** 1a. Why does the department need the positions requested in this application? When were the positions requested vacated (or will they be vacated) and under what circumstance? If your request is based on a needs assessment or Insurance Services Office rating, please provide details of those outcomes.**

The SAFER grant funding is being requested to hire 5 full-time career firefighters for the COS, Arizona. The 5 full-time personnel is needed to assist the SFMD in staffing an Adaptive Response Unit (ARU), to maintain required staffing levels of four per unit as outlined in NFPA 1710, Chapter 56.2.4.2 "Initial Full Alarm Assignment".

The SFMD is an all hazardous response fire department. This includes a fully capable hazardous response unit (HM305) which responds to some of the most dangerous situations. Hazmat 305 is staffed with 4 hazardous materials technicians on three shifts. Each member fully equipped to respond to all hazards including weapons of mass destruction, chemical, biological, radiological, nuclear, explosive (CBRNE). The four hazmat techs also staff L305 and LT305 and respond to all other emergencies, fire and medical and all are based at station 305. L305 is the only unit in the COS with extrication capabilities. Station 305's area is the hub of COS encompassing some significant CIKR. Including, Surprise Recreation Complex (SRC) the spring training home of two MLB teams. The SRC is one of the top public facilities destinations in the country for tennis, attracting thousands yearly. The SRC also houses several community sports fields, Dog Park, aquatic center, Recreation Lake, large city and county facilities that are paired with ASU to supply a communiversity on site, and public safety buildings pairing PD with SFMD.

L305 is a vital resource; its reliability level is 55%. Station 305's response area is frequently browned out due to the training requirements to maintain the necessary competencies to adhere to NFPA 472. When L305 is not in service other units have to leave their first dues to cover the area creating a domino effect of unreliability ultimately effecting response times. Since E302 is the closest unit to cover L305's first due on a regular basis E302's reliability is only 62%. E302's area is steadily growing and largely comprises of elderly, assisted living and memory care units which makes it the busiest engine in the city. It is critical that this unit is available to respond quickly within its first due. This request for assistance is vital to bridge the gap between the department's resources and its needs. Due to citywide RIFs, realignments, a hiring freeze and continued growth, this grant is extremely important to restore staffing needed to provide service to the community. In addition, the added personnel meet NFPA1710 to ensure efficient safe mitigation of the scene for responders and the community. Because of the wide variety of special services L305 offers to COS and surrounding cities, it's increasingly necessary for there to be an additional Engine responding out of station 305. The Adaptive Response Unit (ARU) would allow for coverage of the area during peak and training times. In addition an ARU would increase L305's reliability rating to a 81% with E302 increasing to 83%.

*** 1b. How will the positions requested in this application be used within the department (i.e., 4th on engine, open a new station, eliminate browned out stations, reduce overtime)? What are the specific benefits the positions will provide to the department and community?**

The ARU would be a four member crew and be staffed 40 hours per week. The crew would consist of a Captain, an Engineer and two firefighters with two of the four being Paramedics. One additional firefighter will cover any Employee Time Off (ETO). This unit will operate Monday through Friday during peak call volume time. Operations would strategically place the unit in high call volume areas of the City (Station 305 due to 55% reliability). The unit would be utilized to cover units which currently go out of service browning out service areas while performing required training as to meet NFPA standards, This unit would also provide a reserve team that could help in areas where peak demands are identified and back up units where "stacked" calls (simultaneous calls) exist which should assist in response time improvement and unit reliability.

Adding an ARU during peak hours would improve the SFMD's ability to mitigate calls in the busiest areas of the COS and stop an emergency from escalating. SFMD has an increased demand for emergency services

during the day between 0800 -2000 hours.

SFMD has seen an increase in stacked calls, particularly in the first due area of Fire Station 305 (FS305). FS305 responds to 3,100 calls for service annually. The area surrounding FS305 has more than 5,000 people per square mile, due to high density residential zoning.

Adding an ARU would have a positive impact on current service levels, firefighter safety, ability to train, controlling overtime costs, while supporting the administrative staff. This additional unit would complement the current staffing levels and thus avoid problems caused by delayed response times. Additionally this unit would have the flexibility of being strategically mobile. Allowing units to train, reduce firefighters fatigue, while increasing safety on all levels. This model provides a timely and appropriate response option for peak call volume times facilitating an adaptive response unit.

*** 1c. Please describe how the awarding of this grant would enhance the department's ability to protect the critical infrastructure discussed in the Applicant Characteristics section of the application.**

The SAFER Grant will enhance SFMD's ability to protect the CI by increasing the average number of responders while decreasing response times to CI locations. This will increase the reliability of all Surprise units, while evenly dispersing more senior firefighters throughout the city. The grant will provide preventive measure for the SFMD to assure that staff personnel are not reassigned to line positions to control budgetary expenses in overtime; these all directly relate to service delivery and firefighter safety during emergency response to CI. L305, reliability rating of 55%, is the only ladder in the city it response to 107 square miles and multiple CI facilities. Awarded ARU personnel will enhance the reliability level of the only ladder in the city. Station 305 is positioned in proximity of Surprise Recreation Complex that hosts' over 100 major event, key city/ county government buildings, large scale tennis complex, baseball fields that service spring camps for two MLB teams.

***Element #2 - Impact on Daily Operations (30%):**

*** 2a. How are the community and the current firefighters employed by the department at risk without the positions requested in this application? How will that risk be reduced if awarded?**

FS305 houses a ladder truck as its primary apparatus and does not meet NFPA 1710 5.2.4.1.1 standards for Fire Pumping apparatus. L305 has the lowest reliability rating of 55% which causes large gaps in response to fires and other major life hazardous events creating a decrease in personnel on scene in the first moments of the incident. This causes an increased work load and exposes FF to a decrease in safe working environment. The 55% reliability rating also causes the citizens to routinely receive primary care from a unit with a larger response time due to "brown out". This delay can be catastrophic as it relates to major medical calls where every second counts for codes, CVA, MI, and diabetic emergencies. Longer response into this area also creates an increased risk to the citizens on the road and responding Firefighters as the Fire Apparatus has extended code 3 response times. During large scale events at the Surprise Recreation Complex, these risks are exacerbated exponentially. Placing an ARU (Engine) at the station during peak level times, will bring us closer to compliance with NFPA 1710 5.2.4.1.1 standards by providing an Engine company within the 4 minute requirement. Increase Fire Personnel to help mitigate life safety emergencies quicker, more efficiently, and operate with a higher degree of safety. It will create a large window for safe and efficient training for L305, the Hazardous Materials Team to adhere to NFPA 472 standards, and the surrounding units. Decrease response times immediately to at least 50% of the calls in this response area during the operational hours of ARU and make a marked improvement in patient contact times. Limiting the domino effect caused by other units responding into FS305 first due which holds the largest population density and holds hundreds of events at the Surprise Recreation Complex. As a result, greatly reduce the extended code 3 travel time and higher risk of that response to the citizens and fire personnel.

*** 2b. What impact will the positions requested in this application have on the departments NFPA compliance, if awarded?**

The positions requested will allow SFMD to place an ARU at FS305 during peak level times; this will bring us closer to compliance with NFPA 1710 standards by providing four minutes or less for the arrival of the first arriving engine company at a fire suppression incident and/or eight minutes or less for the deployment of a full first alarm assignment at a fire suppression incident. SFMD staffing model for all apparatus has been and will be 4 person minimum constant staffed, of which two of them will be paramedics, to provide the necessary fire-fighting performance relative to the expected fire-fighting conditions. This staffing level also meets the requirements for "two in, two out" as identified in the Occupational Safety and Health Administration's (OSHA) Rules and Regulations 29 CFR 1910.134. In addition, this will increase the level of service provided to the citizens by providing a high level of care with two paramedics making patient contact in a more expeditious manner. This also enables the unit to comply with four minutes or less for the arrival of a unit with first responder or higher level capability and eight minutes or less for the arrival of an advanced life support unit. Adding the ARU will prevent the "domino effect" of other units responding into this area, thus increasing the response times for that engine placing it out of compliance with NFPA 1710. Another advantage of the added positions is it will create a large window for safe and efficient training for HM305 and the Hazardous Materials Team to adhere to NFPA 472 training standards. L305 co-man's HM305 and the added personnel will cover during their respective training requirements and when HM305 is on a call, whether that be in or out of the COS, continuing to provide service to this vital area of the city. The unit will have the capability to perform in the same manner for other companies also. Covering for an engine company to decrease brownout while they training to meet NFPA standards.

***Element #3 - Financial Need (30%):**

*** 3a. Please provide additional details on the departments operating budget. This should include an income verse expenses breakdown of the annual budget indicated in Applicant Characteristics section of the application.**

Arizona's tax structure severely limits the amount of property tax that can be collected for operational activities. Therefore, Surprise must rely on city-collected sales taxes to support critical operations. The city currently has a sales tax rate of 2.2% which forecasts \$35.8 million in revenues in FY17. The city estimates \$29.1 million in state shared revenues for FY17. The city's operating budget for FY16 is \$158 million with \$95 million in the general fund and 48% of that is attributed to public safety. The SFMD budget is \$18 million with \$15 million (87%) being attributed to personnel costs, 9% to service costs and 4% to supply costs. The downturn in the economy has severely impacted revenues since 2009. The city has suffered numerous budget cuts and layoffs in the past six years. They have had a 12% reduction in operational expenses from FY08 to FY11. Seventy full time positions (8%) were cut citywide with SFMD suffering a 38% loss in civilian staffing during that same period. No merit increases have been offered since July of 2007 and no COLA's from 2008 through FY13. A 2.2% COLA was given to all employees in FY14 to offset the increased healthcare costs that were deferred to the employees that same year. Fleet replacement schedules have been extended and employee benefits and departmental programs reduced or cut completely. The budget appropriation per capita in Surprise was \$1,717 in FY14 compared to \$5,429 in Scottsdale or \$2,968 in Peoria for that same period.

The City of Surprise was at one time one of the fastest growing cities and when the recession hit, they were one of the fastest declining. The exodus of citizens, significant decreases in property values, high rate of foreclosures and raising unemployment rates (5.9%) have had an adverse effect on the City's budget as SFMD operations are primarily funded through the City's general fund. While the economy is on the mend, Surprise is going to take a while to recover from this recession.

*** 3b. Please describe the department's budget shortfalls and the inability to address the financial needs without federal assistance. What other actions have you taken to obtain funding elsewhere (i.e., state assistance programs, other grant programs, etc.)?**

Since the recession, SFMD has exhausted every avenue to adapt for the budget shortfalls while striving to maintain core service delivery and safety initiatives. SFMD has cut non-essential supplies and services, realigned staff and merged divisions in an attempt to gain economies of scale with staffing, responsibilities and programs. Programs have been discontinued completely. Fleet replacement schedules were extended and capital equipment schedules evaluated and extended where safely applicable. SFMD has tried to

leverage technology to garner a savings over time. SFMD has gone from 14 civilian staff to 7 at our lowest. Service demand has not dropped, in fact, calls have increased an average 5% per year through the recession. SFMD has been forced to limit benefited paid time off to sustain the budget. SFMD has no contingency for unfunded mandates such as injuries, attrition and family situations. The department needs federal assistance to ensure safety and response initiatives.

The SFMD has not sought out assistance from the State of Arizona due to the overall poor financial outlook. Arizona is going to have a 1 billion dollar shortfall this year in its budget cycle (FY16). State shared revenue is at risk along with funding for grants. SFMD has been able to keep up with the shortfall on staffing by cutting public CPR programs, educational prevention programs, shutting down training and moving staff personnel out to line positions. The State Fire Marshall's office has closed. Thus thinning our already short handed Fire Prevention staff. This left schools and other state buildings at risk so SFMD volunteered to inspect the schools to ensure a safe environment for the children while the State reorganized. This forced city buildings and businesses to go without annual safety inspections. Fire crews are now starting to perform those inspections which also causes brown outs and crews not to be in ideal locations in order to respond within the time set out by NFPA.

*** 3c. How are the critical functions of your department affected without this funding?**

SFMD is one of the busy departments in the Northwest Region of the greater metropolitan area. The SFMD is threatened with manpower issues on a daily basis. The Department is 100% over spent on allocated funds for overtime due to sick out, firefighter injuries, training, and other numerous minor issues. With the SFMD fire units browned out constantly due to the need for training, to comply with NFPA stands, regional assistance for manpower for large scale events, automatic aid or mutual aid hazardous material responses, and standard maintenance of fire department apparatus the citizens and other fire department members are put in harm's way due to the lack of manpower and fire apparatus to respond to emergency calls. If additional firefighters are not funded the number of injuries will rise and the likelihood of a serious injury occurring increases. The need for firefighters is based on a staffing needs analysis researched documented in the SFMD Standards of Cover (SOC) Study for COS.

Compounding the possibility of firefighter safety is the consistent increase in call volume which is producing a lack of available resources, namely apparatus and manpower, to respond to calls as well as firefighter fatigue due to the increased call volume. The volume of patient contact suffering from communicable diseases that fire fighters come in contact with alongside the fatigue factor produces a large amount of sickouts resulting in one factor contributing to the 100% over expenditure of the current overtime budget. In the attempt to control overtime we have had to shift operational personnel to move up positions, as well as, placing Administrative positions in the field to meet critical manning NFPA requirements which is not optimal. SFMD's budget has gone over every year due to unfunded mandates. The department needs assistance and has continually requested help but the City is trying to meet the global need of every department and SFMD is just a piece of that puzzle.

***Element #4 - Cost Benefit (10%):**

*** Please describe the benefits (i.e., anticipated savings, efficiencies) the department and community will realize if awarded the positions requested in this application.**

Since 2007, SFMD has lost seven administrative positions due to budget cuts and attrition. Line personnel have been used to fill those positions which caused a reduction in force for constant staffing of fire apparatus. The overtime budget has not been increased to meet the demand causing the personnel to be moved back to the field for several months at mid- fiscal year. This has caused vital positions to sit empty during FY15, i.e. Assistant Chief, Battalion Chief, training division Captain, which creates a backlog of required functions and mandates. Adding these positions back will not only reduce overtime costs, help keep the department within NFPA compliance, decrease response times to mitigate emergency calls before they escalate, enhance fire fighter safety through the reduction of fatigue and the ability to rehab sooner on larger incidents so SFMD can respond faster to citizens emergencies in a more advantageous manner.

Additional personnel have been requested as part the Surprise Fire/Medical Department's budget process for several years, but there have never been sufficient resources to meet all of the personnel needs of the City. The positions will allow SFMD to place an ARU Engine at FS305 during peak level times; this will bring us closer to compliance with NFPA 1710 due to no Engine based out of station 305. Awarded personnel will

meet the requirements for "two in, two out" as identified in the OSHA Rules and Regulations 29CFR1910.134. This will increase the level of service of care with two additional paramedics making patient contact in a more expeditious manner. Adding a ARU also prevents the domino effect of other units responding into 305's area, creating a greater gap, which increases the response times of the next arriving engine not adhering to NFPA 1710. Adding positions will make a larger window for safe and efficient training for the Haz/Mat Team, to adhere to NFPA 472 standards, who also cross-man's L305. The added personnel will cover during the training requirements of HM305, whether training in or out of the COS. The added personnel will increase unit reliability and firefighter safety.

Adding an ARU would have a positive impact on service levels, NFPA 1710 compliance, firefighter safety, ability to train, controlling overtime costs, a decrease in browning out units, while supporting the administrative staff. The ARU would increase current staffing levels by one additional unit. This additional unit would complement the current staffing levels and thus void problems caused by delayed response times and increase the on-scene average personnel numbers from 3.7 to 3.85

Element #5 - Additional Information : If you have any additional information you would like to include about the department and/or this application in general, please provide below.

The SFMD provides safe, professional, and well trained personnel to the citizens and region served. The SFMD currently conducts recruitment and hiring activities that comply with guidelines set forth by the State of Arizona and follows all Federal EOE laws while providing Veteran points built into our testing process. SFMD provides extensive training to each member consisting of a three month academy based training and a probationary year that involves the rotation of the recruit to different stations/ apparatus to provide a diverse range of training. All recruit firefighters are required to attend 20 hrs of didactic drivers training along with annual skills training conducted over the road and at the Academy driving course. Before a job performance evaluation can be taken, all requisite knowledge and skills must be satisfied over the period of the first year. This is accomplished through on the job training, road course work, hands on, and web base instruction over the year to comply with NFPA standards. This recruitment, hiring, and training program is comprehensive and well established within the SFMD. The design of the current program provides a safe, professional, and competent firefighters thus resulting in little, financial impact to current budgets.

If awarded personnel, the SFMD will maintain our strict training program incorporating daily operations, ongoing recruitment, training, retention practices, and analysis. These programs will be maintained via multiple departmental resources to include; Official COS website and COS TV Channel 11, SFMD website, Target Safety training program, Regional Training Facility, and a healthy, positive, robust work environment for all members of the SFMD. This will be at no cost to the grant and will complement our existing process and mission to ensure the continued safety of our first responders, citizens and visitors of Surprise while also maintaining fiscal responsibility to our most important assets, our members.

Hiring Narrative Supplemental Information

Supplemental Information

* 1. What is the rate of unemployment of the community, within the department's first due response geographical area, over the last three (3) years? Please indicate using a percentage and in the text box next to each of the rate percentage, indicate what year that figure pertains to.

Rate: 5.90%	Year: 2015
Rate: 6.90%	Year: 2014
Rate: 5.00%	Year: 2013

* 2. Has the department filed for bankruptcy (Chapter 9, Title 11), or has been placed under third party financial oversight or receivership within the previous three (3) years? No

2a. If Yes, please discuss.

N/A

* 3. What is the median household income of the community, within the department's first due response geographical area, over the last three (3) years? Please indicate the dollar amount and in the text box next to each amount, indicate what year that figure pertains to.

\$58455	Year: 2015
\$59973	Year: 2014
\$60687	Year: 2013

* 4. What is the poverty rate of the community, within the department's first due response geographical area, over the last three (3) years? Please indicate using a percentage and in the text box next to each of the rate percentages, indicate what year that figure pertains to.

Rate: %	Year:
Rate: %	Year:
Rate: %	Year:

I am unable to provide this information

* 5. What is your municipalities operating budget for the last three (3) years? Please indicate the dollar amount and in the text box next to each amount, indicate what year that figure pertains to.

\$157863400	Year: 2015
\$160700000	Year: 2014
\$153000000	Year: 2013

* 6. Has your jurisdiction/municipality reduced Full-Time Employees (FTEs) (in all agencies) over the last three year? No

6a. If Yes, by how many and in what areas?

N/A

* 7. Is your jurisdiction/municipality filling positions (in all agencies) as they become vacant? No

7a. If No, by how many and in what areas?

The City as a whole is trying to fill most positions as they are vacated but the Surprise Fire-Medical Department had three retirements in April 2014, in February of 2016 one position vacated for better pay and two more positions will retire in June of 2016. In 2014 the Fire Chief position was filled immediately. The Battalion Chief position has remained vacant up until now. The Assistant Fire Chief position remained vacant until September 2015 when it was assumed by the City in an effort to perform some needed

realignments in other departments. The City is still rebuilding Managers and staff in departments that experienced severe layoffs during the recession. As the population and visitor numbers grows the need for more personnel to mitigate the increase in call volume is paramount. Along with the need for frontline personnel the need for leadership positions is equally as great. The span of control for firefighter safety is an ever growing need within the SFMD and will be until the city provides the department with appropriate numbers to provide emergency services to the citizens of Surprise. The rebuilding is taking place in all departments as financial resources and opportunities present. The city lost over 70 positions during the recession and is gradually working towards rebuilding those departments that are in desperate need of staffing. Fire lost 7 of 14 civilian staff during that same period. Requests for replacement and new staff are submitted annually in the City's budget process however, funding limitations have not yet allowed those requests to come to fruition. As of FY16, SFMD has 8 of those original 14 non-sworn positions filled.

* 8. In the last year has your department utilized brown outs? Yes

* 9. Has the department reduced non-operation positions (i.e. training, fire prevention, administrative staff, etc.) over the last three years? Yes

9a. If Yes, please provide details.

As was stated in question 7, the department had an Assistant Chief recently taken that was vacated due to attrition. We requested this position back through our annual budget process. The City as a whole lost over 70 positions during the recession and is slowly trying to rebuild each department when opportunities and financial resources are presented to do that. SFMD lost 7 of 14 civilian positions. Some clerical, fire prevention inspectors and a Crisis Response Supervisor which is critical. This position supervises 87 volunteers which respond on scene and help citizens which in turn frees up critical resources and responders to respond to other incidents. We also shift operational personnel to and from Admin to meet critical training needs which is not optimal. SFMD's budget has gone over every year due to unfunded mandates. The department needs assistance and has continually requested help but the City is trying to meet the global need of every department and SFMD is just a piece of that puzzle.

* 10. What is the current foreclosure rate of the community, within the department's first due response geographical area? %

I am unable to provide this information

* 11. Has the department provided cost of living increases over the last three (3) fiscal years? Yes

11a. If Yes, by what percent?

Rate: 2.00%	Year: 2015
Rate: 1.30%	Year: 2014
Rate: 2.20%	Year: 2013

* If you are unable to provide any of the data requested above, please explain why you are unable to do so. (i.e., data not available, data only available at state level, cannot find data, etc.)

Regarding the demographic data. SFMD cannot provide all three years of data on the poverty rate in the City of Surprise but as of March 3, 2016, the U.S. Census Bureau does show that the current poverty rate for 2016 is at 11%. The U.S. Census Bureau further provides the following under American FactFinder for the 2009-2013 American Community Survey for the City of Surprise:

5.5 Unemployment Rate

\$58,455 median household income

9.2 % poverty level

The FY16 COS Operating Budget is \$157,863,400, FY15 COS Operating Budget is \$152,844,300 and FY14 is \$160,700,000. It should be also noted that during the recession, the City of Surprise had to deplete their reserve funds to maintain operations. According to policy, the COS should have three months operating reserves so there has been a strong effort in recent years to refurbish the city's reserves to that mandated level which further inhibits funding for individual department's to rebuild their staff and or programs.

Assurances and Certifications

FEMA Form SF 424B

You must read and sign these assurances. These documents contain the Federal requirements attached to all Federal grants including the right of the Federal government to review the grant activity. You should read over the documents to become aware of the requirements. The Assurances and Certifications must be read, signed, and submitted as a part of the application.

Note: Fields marked with an * are required.

O.M.B Control Number 4040-0007

Assurances Non-Construction Programs

Note: Certain of these assurances may not be applicable to your project or program. If you have any questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States, and if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. Section 4728-4763) relating to prescribed standards for merit systems for programs funded under one of the nineteen statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. Sections 1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. Section 794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. Sections 6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Acts of 1968 (42 U.S.C. Section 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being

- made; and (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Title II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interest in real property acquired for project purposes regardless of Federal participation in purchases.
 8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
 9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
 10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
 11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
 12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. Section 1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
 13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. 469a-1 et seq.).
 14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
 15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. 2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
 16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. Section 4801 et seq.) which prohibits the use of lead based paint in construction or rehabilitation of residence structures.
 17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
 18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations and policies governing this program.

Signed by **Kimberly A Drabik** on **03/06/2016**

Form 20-16C

You must read and sign these assurances.

Certifications Regarding Lobbying, Debarment, Suspension and Other Responsibility Matters and Drug-Free Workplace Requirements.

Note: Fields marked with an * are required.

O.M.B Control Number 1660-0025

Applicants should refer to the regulations cited below to determine the certification to which they are required to attest. Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 44 CFR Part 18, "New Restrictions on Lobbying" and 44 CFR Part 17, "Government-wide Debarment and Suspension (Non-procurement) and Government-wide Requirements for Drug-Free Workplace (Grants)." The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Homeland Security (DHS) determines to award the covered transaction, grant, or cooperative agreement.

1. Lobbying

A. As required by the section 1352, Title 31 of the US Code, and implemented at 44 CFR Part 18 for persons (entering) into a grant or cooperative agreement over \$100,000, as defined at 44 CFR Part 18, the applicant certifies that:

(a) No Federal appropriated funds have been paid or will be paid by or on behalf of the undersigned to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with the making of any Federal grant, the entering into of any cooperative agreement and extension, continuation, renewal amendment or modification of any Federal grant or cooperative agreement.

(b) If any other funds than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure of Lobbying Activities", in accordance with its instructions.

(c) The undersigned shall require that the language of this certification be included in the award documents for all the sub awards at all tiers (including sub grants, contracts under grants and cooperative agreements and sub contract(s)) and that all sub recipients shall certify and disclose accordingly.

2. Debarment, Suspension and Other Responsibility Matters (Direct Recipient)

A. As required by Executive Order 12549, Debarment and Suspension, and implemented at 44 CFR Part 67, for prospective participants in primary covered transactions, as defined at 44 CFR Part 17, Section 17.510-A, the applicant certifies that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of Federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any Federal department or agency.

(b) Have not within a three-year period preceding this application been convicted of or had a civilian judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or perform a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.

(c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and

(d) Have not within a three-year period preceding this application had one or more public transactions (Federal, State, or local) terminated for cause or default; and

B. Where the applicant is unable to certify to any of the statements in this certification, he or she shall attach an explanation to this application.

3. Drug-Free Workplace (Grantees other than individuals)

As required by the Drug-Free Workplace Act of 1988, and implemented at 44 CFR Part 17, Subpart F, for grantees, as defined at 44 CFR part 17, Sections 17.615 and 17.620:

(A) The applicant certifies that it will continue to provide a drug-free workplace by:

(a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;

(b) Establishing an on-going drug free awareness program to inform employees about:

- (1) The dangers of drug abuse in the workplace;
- (2) The grantee's policy of maintaining a drug-free workplace;
- (3) Any available drug counseling, rehabilitation and employee assistance programs; and
- (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;

(c) Making it a requirement that each employee to be engaged in the performance of the grant to be given a copy of the statement required by paragraph (a);

(d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will:

- (1) Abide by the terms of the statement; and
- (2) Notify the employee in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction.

(e) Notifying the agency, in writing within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to the applicable awarding office.

(f) Taking one of the following actions, against such an employee, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted:

- (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
- (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such

purposes by a Federal, State, or local health, law enforcement or other appropriate agency.

(g) Making a good faith effort to continue to maintain a drug free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

(B) The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance				
Street	City	State	Zip	Action

If your place of performance is different from the physical address provided by you in the Applicant Information, press *Add Place of Performance* button above to ensure that the correct place of performance has been specified. You can add multiple addresses by repeating this process multiple times.

Section 17.630 of the regulations provide that a grantee that is a State may elect to make one certification in each Federal fiscal year. A copy of which should be included with each application for DHS funding. States and State agencies may elect to use a Statewide certification.

Signed by **Kimberly A Drabik** on **03/06/2016**

FEMA Standard Form LLL

Only complete if applying for a grant for more than \$100,000 and have lobbying activities. See Form 20-16C for lobbying activities definition.

The Department of Homeland Security
Notice of Funding Opportunity (NOFO)

FY2015 Staffing for Adequate Fire and Emergency Response (SAFER)

NOTE: Applicants pursuing this funding opportunity who have not obtained a Data Universal Numbering System (DUNS) number and/or are not currently registered in the System for Award Management (SAM) should take immediate action to obtain a DUNS number, if applicable, and then register immediately in SAM. It may take four weeks or more after SAM registration submittal before the registration is active in SAM, then an additional 24 hours for Grants.gov to recognize the information. Information on obtaining a DUNS number and registering in SAM is available from Grants.gov at <http://www.grants.gov/web/grants/register.html>

A. Program Description

Issued By

U.S. Department of Homeland Security (DHS), Federal Emergency Management Agency (FEMA),
Grant Programs Directorate (GPD)

Catalog of Federal Domestic Assistance (CFDA) Number

97.083

CFDA Title

Staffing for Adequate Fire and Emergency Response (SAFER)

Notice of Funding Opportunity Title

Fiscal Year (FY) 2015 Staffing for Adequate Fire and Emergency Response (SAFER)

NOFO Number

DHS-15-GPD-083-000-99

Authorizing Authority for Program

Section 34 of the Federal Fire Prevention and Control Act of 1974, (Pub. L. No. 93-498), as amended (15 U.S.C. § 2229a)

Appropriation Authority for Program

Department of Homeland Security Appropriations Act, 2015 (Pub. L. No. 114-4)

Program Type

New

Program Overview, Objectives, and Priorities

The Department of Homeland Security's (DHS) Federal Emergency Management Agency's (FEMA) Grant Programs Directorate is responsible for the implementation and administration of the Staffing for Adequate Fire and Emergency Response (SAFER) Program. The goal of the SAFER Grant Program is to assist local fire departments with staffing and deployment capabilities in order to respond to emergencies, and assure that communities have adequate protection from fire and fire-related hazards.

In awarding grants, the Administrator of FEMA shall consider the following:

- The findings and recommendations of the Technical Evaluation Panel (TEP)
- The degree to which an award will reduce deaths, injuries, and property damage by reducing the risks associated with fire related and other hazards
- The extent of an applicant's need for a SAFER Grant and the need to protect the United States as a whole

SAFER intends to improve or restore local fire departments' staffing and deployment capabilities so they may more effectively and safely respond to emergencies. With enhanced or restored staffing levels, recipients should experience a reduction in response times and an increase in the number of trained personnel assembled at the incident scene.

While not required for a SAFER Grant, it is preferable that the enhanced or restored staffing levels of all SAFER recipients should ensure all first-arriving apparatus are staffed with a minimum of four qualified personnel (to meet National Fire Protection Association (NFPA) 1710/1720 standards) who are capable of initiating the suppression response. Ultimately, SAFER recipients should achieve more efficient responses and safer incident scenes; thereby ensuring communities have improved protection from fire and fire-related hazards.

The National Preparedness System is the instrument the nation employs to build, sustain, and deliver core capabilities in order to achieve the National Preparedness Goal (Goal) of a secure and resilient nation. Complex and far-reaching threats and hazards require a collaborative and whole community approach to national preparedness that engages individuals, families, communities, private and nonprofit sectors, faith-based organizations, and all levels of government. The guidance, programs, processes, and systems that support each component of the National Preparedness System allow for the integration of preparedness efforts that build, sustain, and deliver core capabilities and achieve the desired outcomes identified in the Goal while maintaining the civil rights of individuals.

The FY 2015 SAFER Grant plays an important role in the implementation of the National Preparedness System by supporting the building, sustainment, and delivery of core capabilities essential to achieving the Goal of a secure and resilient nation. Delivering core capabilities requires the combined effort of the whole community, rather than the exclusive effort of any single organization or level of government.

The FY 2015 SAFER Grant's allowable costs support efforts to build and sustain core capabilities across the Prevention, Protection, Mitigation, Response, and Recovery mission areas. Examples of desired outcomes for FY 2015 SAFER include building and sustaining core capabilities, such as Fire Management and Suppression, and Public Health and Medical Services.

Additional details on the National Preparedness Goal can be found at <https://www.fema.gov/national-preparedness-goal>

The SAFER Grant Program is comprised of two categories:

- **Hiring of Firefighters**
 - Including subcategories for rehiring, retention, attrition, and new hires
 - Career, combination, and volunteer fire departments are eligible to apply
- **Recruitment and Retention of Volunteer Firefighters**
 - Combination fire departments; volunteer fire departments; and national, state, local, or

tribal organizations that represent the interests of volunteer firefighters are eligible to apply

B. Federal Award Information

Award Amounts, Important Dates, and Extensions

Available Funding for the NOFO: \$340,000,000

Projected number of Awards: 300

Period of Performance: 12-48 Months

Hiring Category: The period of performance will be 24 months for all grants awarded under the hiring category.

Recruitment and Retention (R&R) Category: The period of performance will be between 12 and 48 months for all grants awarded under the R&R category.

Projected Period of Performance Start Date(s): 6/30/2016

Projected Period of Performance End Date(s): 6/30/2017 – 6/30/2020

Extensions to the Period of Performance

Is an extension to the Period of Performance permitted? ☒ Yes ☐ No

An extension to the period of performance for this program is allowed. Extensions to the period of performance may be granted when, due to circumstances beyond the control of the recipient, activities associated with the award cannot be completed within the stated performance period. For details on the requirements for requesting an extension to the period of performance, please refer to Appendix C: Award Administration Information, Section VII. Payments and Amendments, Amendments.

Funding Instrument: Grant

C. Eligibility Information

Eligible Applicants

- Volunteer fire departments and combination fire departments may apply for funding under both the Hiring of Firefighters category and the Recruitment and Retention of Volunteer Firefighters category. Separate applications must be completed for each category. Applicants are limited to one application per category, per application period. If an applicant submits two applications for the same category during a single application period, both applications will be disqualified.
- Career fire departments may apply for funding only under the Hiring of Firefighters category. Applicants are limited to one application per application period. If an applicant submits two applications, both applications will be disqualified.
- Municipalities and fire districts may submit applications on behalf of fire departments lacking the legal status to do so, such as those under the support of the municipality or district. The municipality or fire district may submit only one application for hiring per application period for each eligible fire department within the municipality or fire district.
- National, state, local, or tribal organizations representing the interests of volunteer firefighters

and individual fire departments (volunteer or combination) may only apply for funding under the Recruitment and Retention of Volunteer Firefighters category. Applicants are limited to one application per application period. If an applicant submits two applications, both applications will be disqualified.

Table 1 identifies, in general, eligible entities that can apply for FY 2015 SAFER Funding within each category.

Table 1: Eligible Entities

Entity Category	Volunteer Fire Departments	Combination Fire Departments	Career Fire Departments	National, state, local, or tribal volunteer firefighter interest organization
Hiring of Firefighters Category	✓	✓	✓	
Recruitment and Retention of Volunteer Firefighters Category	✓	✓		✓

Other Eligibility Requirements

The following entity types are **NOT** eligible to apply under this announcement:

- Federal fire departments and fire departments under contract to the Federal Government whose sole responsibility is the suppression of fires on federal installations or lands;
- For-profit fire departments and organizations (e.g., fire departments that do not have specific nonprofit status or that are not municipally based);
- Ambulance services, emergency medical service organizations, rescue squads, auxiliaries, dive teams, and urban search and rescue teams;
- Non-federal airport or port authority fire departments whose sole responsibility is suppression of fires on the airport grounds or port facilities, unless the airport/port fire department has a formally recognized arrangement with the local jurisdiction to provide fire suppression on a first-due basis outside the confines of the airport or port facilities;
- Fire stations that are part of, controlled by, or under the day-to-day operational direction of a larger fire department or agency, or that are not otherwise independent;
- State and local agencies, such as forest service, fire marshals, emergency management offices, hospitals, and training offices;
- Career fire departments (under the Recruitment and Retention of Volunteer Firefighters category); and
- National, state, local, or tribal organizations representing the interests of volunteer firefighters, supporting firefighter volunteerism, or otherwise having an interest in volunteer firefighters (under the Hiring of Firefighters category).

National Incident Management System (NIMS) Implementation

SAFER applicants are not required to be in compliance with the National Incident Management System (NIMS) to apply for SAFER Funding or to receive an SAFER Award. Any applicant who receives an FY 2015 SAFER Award must achieve the level of NIMS compliance required by the authority having command and control jurisdiction over the applicant's emergency service operations (e.g., a local government), prior to the end of the grant's period of performance.

Maintenance of Effort

There are no maintenance of effort requirements for the FY 2015 SAFER Program.

Cost Share or Match

SAFER recipients are not required to contribute a cost share towards the cost of hiring firefighters or recruitment and retention of volunteer firefighters under this program.

D. Application and Submission Information

Key Dates and Times

Date posted to Grants.gov:	02/16/2016
Application Start Date:	02/22/2016 at 8:00 AM EST
Application Submission Deadline:	03/25/2016 at 5:00 PM EST
Anticipated Program Office Review Dates:	5/16/2016 – 5/20/2016
Anticipated Funding Selection Date:	06/01/2016

Application Submission Extension

In general, DHS/FEMA will not review applications received after the deadline or consider them for funding. DHS/FEMA may, however, extend the application deadline on request for any applicant who can demonstrate good cause exists to justify extending the deadline. Good cause for an extension may include technical problems outside of the applicant's control that prevent submission of the application by the deadline, or other exigent or emergency circumstances. If applicants experience technical issues, they must notify the FEMA Help Desk as soon as possible.

Key Dates

Event	Suggested Deadline For Completion
Obtaining DNMS Number	Four weeks before actual submission deadline (February 26, 2016)
Obtaining a valid EIN	Four weeks before actual submission deadline (February 26, 2016)
Updating SAM registration	Four weeks before actual submission date (February 26, 2016)
Application submission deadline	Friday, March 25, 2016

Address to Request Application Package

The Assistance to Firefighters Grant Program (AFGP) eGrants system is only accessible through the

AFGP Application Portal at <https://portal.fema.gov/>. There are several ways to get AFGP Application information:

- AFGP Website (<http://www.fema.gov/firegrants>)
- Grants.gov (<http://www.grants.gov>)
- U.S. Fire Administration (<http://www.usfa.fema.gov>)

Hard copies of the application are not available.

In addition, the Telephone Device for the Deaf (TDD) and/or Federal Information Relay Service (FIRS) number available for this Notice is: (800) 462-7585.

Application tutorials and Frequently Asked Questions (FAQs) assist with the online grant application, and highlight lessons learned and changes for FY 2015. For more details, please visit the AFGP Website at <http://www.fema.gov/firegrants>.

NOTE: Do not use any browsers other than Internet Explorer (IE 6 or higher) when entering information. Do not have multiple browser tabs open when entering information, even when using Internet Explorer (IE 6 or higher). There are several known problems entering application information using non-IE browsers or having multiple browsers open, including but not limited to:

- System failure to recognize correct information
- System failure to capture and retain correct information
- System functions like “cut and paste” being disabled

The eGrants system will allow an authorized representative to log in and create a user name and password. This user name and password is specific to the authorized user and must not be shared with other personnel. If the applicant has submitted any Assistance to Firefighters Grants Program (AFGP) applications (Assistance to Firefighters Grant (AFG), Staffing for Adequate Fire and Emergency Response (SAFER), Fire Prevention and Safety (FP&S), Station Construction Grant (SCG) in a previous grant cycle, they must continue to use the same username, password, and Dun and Bradstreet Data Universal Numbering System (DUNS) number for any FY 2015 application(s).

If the applicant has forgotten the password or primary point of contact has changed, please visit <http://www.fema.gov/assistance-firefighters-grant-program-most-frequently-asked-questions> for instructions on how to update and correct the organization’s information.

Prior to submission and up to the application deadline, the online application can be saved, retrieved, or edited as required.

Content and Form of Application Submission

DHS makes all funding opportunities available through Grants.gov, accessible on the Internet at <http://www.grants.gov>. If applicants experience difficulties accessing information or have any questions, please call the Grants.gov Contact Center at (800) 518-4726.

Required Forms and Registrations

All required forms have been incorporated into the online application submission.

Application Submission Receipt

Once the application is submitted and received, the primary point of contact listed in the application will be electronically messaged within the eGrants system.

Unique Entity Identifier and System for Award Management (SAM)

DHS is participating in the Grants.gov initiative that provides the grant communities a single site to find grant funding opportunities. Before applying for a DHS Grant, applicants must have a DUNS number and must be registered in the System for Awards Management (SAM).

Instructions for obtaining a DUNS number can be found at the following Website:

<http://www.grants.gov/web/grants/applicants/organization-registration/step-1-obtain-duns-number.html>

System for Award Management (SAM)

Applicant registration in the System for Award Management (SAM) is free. All applicants must register with SAM in order to apply online. Step-by-step instructions for registering with SAM can be found at <http://www.grants.gov/web/grants/applicants/organization-registration/step-2-%20%20register-with-sam.html>. Please remember that SAM registration is only active for one year and must be renewed annually.

Please allow sufficient time before the grant application submission deadline to obtain a DUNS number and then to register in SAM. It may take four weeks or more after the applicant submits the SAM registration before the registration is active in SAM, then an additional 24 hours for Grants.gov to recognize the information.

FEMA cannot make an award to an entity until the entity has complied with the requirements to provide a valid DUNS number and maintain an active SAM registration with current information. If the applicant is noncompliant at the time of award offer, then FEMA may determine the applicant is not qualified to receive an award, and award another applicant.

IMPORTANT: Please ensure that applicant organization's name, address, DUNS number, and Employer Identification Number (EIN) are up to date in SAM and that the DUNS number used in SAM is the same one used to apply for all FEMA applications. The applicant organization's name in SAM must also match the organization name provided on the applicant's SF-1199a. Future payments will be contingent on the information provided in SAM; therefore, it is imperative that the information is correct.

Help with SAM - SAM quick start guide for new Recipient registration and SAM video tutorial for new applicants are tools created by the General Services Administration (GSA) to assist those registering with SAM. If applicants have questions or concerns about a SAM registration, please contact the Federal Support Desk at <https://www.fsd.gov/fsd-gov/home.do> or call toll free (866) 606-8220.

How to Get a Commercial and Government Entity (CAGE) Code - To get a CAGE code, applicants must first be registered in SAM. Applicants will be assigned a CAGE code as part of the SAM validation process, and as soon as the registration is active, applicants can view the CAGE code online by logging in to the SAM account.

Funding Restrictions

Federal funds made available through this program may only be used for the purpose set forth in the

award package and must be consistent with the statutory authority for the award. Award funds may not be used for matching funds for any other federal grants/cooperative agreements, lobbying, or intervention in federal regulatory or adjudicatory proceedings. In addition, federal funds may not be used to sue the Federal Government or any other government entity. Failure to adhere to the award conditions will cause the recipient to be considered in default of the grant agreement, and may require the return of all federal funds disbursed under the grant.

Construction or Remodeling/Renovation Costs

Construction costs are not eligible under the SAFER Program. Construction includes major alterations to a building that changes the profile or footprint of the structure. To support eligible awarded activities, remodeling/renovations to an existing facility are limited to minor interior alterations costing less than \$10,000 and should be requested under Modification to Facilities. Some of these activities may require an Environmental and Historical Preservation (EHP) review; certain costs associated with an EHP Review are eligible for reimbursement.

Pre-award Costs

Generally, recipients cannot use grant funds to pay for products and services contracted for or obligated prior to an offer of award. However, costs incurred after the application deadline, but prior to an offer of award, may be eligible for reimbursement only if the following conditions are met:

- Fees for grant writers under the Recruitment and Retention Category only may be included as pre-award expenditures. The recipient must submit a written request to FEMA to incur such pre-award costs by providing notification (containing the application number and a justification narrative) to FEMA, via email to the SAFER Help Desk at FireGrants@fema.dhs.gov. The notification to FEMA should be concurrent with their acquisition activity, and must be submitted within the eligible timeframe; and,
- The recipient must receive confirmation from FEMA that the expenses have been reviewed and FEMA has determined the costs to be justified, unavoidable, and consistent with the grant's scope of work.

Award Limits

Not Applicable.

Management and Administration

Management and administrative expenses should be based only on actual expenses or known contractual costs; requests that are simple percentages of the award, without supporting justification, will not be allowed or considered for reimbursement.

No more than three percent of the federal share of SAFER Funds awarded may be expended by the recipient for management and administration (M&A) purposes associated with the SAFER Award.

Indirect Costs (Facilities & Administration [F&A]) Costs

Indirect costs are allowable under the Recruitment and Retention category, as described in 2 C.F.R. § 200.414. With the exception of recipients who have never received a negotiated indirect cost rate as described in 2 C.F.R. § 200.414(f), recipients must have an approved indirect cost rate agreement with their cognizant federal agency to charge indirect costs to this award. A copy of the approved rate (a fully executed, agreement negotiated with the applicant's cognizant federal agency) is required at the time of application, and must be provided to FEMA before indirect costs are charged to the award. Copies of the indirect cost rate agreements, along with the SAFER application number, must be submitted

electronically to FireGrants@fema.dhs.gov.

Indirect costs will be evaluated as part of the application for federal funds to determine if they are allowable, reasonable, or disproportionately impact an application's cost benefit.

Environmental and Historic Preservation (EHP)

As a federal agency, DHS/FEMA is required to consider the effects of its actions on the environment and historic properties to ensure that all activities and programs funded by the agency, including grants-funded projects, comply with Federal EHP regulations, laws and Executive Orders as applicable. Recipients proposing projects that have the potential to impact the environment, including, but not limited to modification or renovation of existing buildings, structures and facilities, must participate in the DHS/FEMA EHP Review process. The EHP Review process involves the submission of a screening form that includes detailed project description that explains the goals and objectives of the proposed project along with supporting documentation so that DHS/FEMA may determine whether the proposed project has the potential to impact environmental resources and/or historic properties. In some cases, DHS/FEMA also is required to consult with other regulatory agencies and the public in order to complete the review process. The EHP Review process must be completed before funds are released to carry out the proposed project. DHS/FEMA will not fund projects that are initiated without the required EHP Review.

Additionally, all recipients are required to comply with FEMA EHP Policy Guidance. This EHP Policy Guidance can be found in FEMA Policy (FP) 108-023-1, [Environmental Planning and Historic Preservation Policy Guidance](#), and FP 108-24-4, [Environmental Planning and Historical Preservation Policy](#).

SAFER Projects that involve the installation of equipment not specifically excluded from a FEMA EHP Review per the GPD Programmatic Environmental Assessment (PEA); ground-disturbing activities; or modification/renovation of existing buildings or structures must undergo a FEMA EHP Review.

No facilities modification project can proceed, with the exception of project planning, prior to formal FEMA approval. Funds for activities that do not require an EHP Review may be requested by the recipient.

The following activities would not require the submission of the FEMA EHP Screening Form:

- Planning and development of policies or processes;
- Management, administrative, or personnel actions;
- Classroom-based training; and
- Acquisition of mobile and portable equipment (not involving installation) on or in a building.

The AFGP EHP Screening form and instructions are available at: <http://www.fema.gov/media-library/assets/documents/90195>.

Complete the AFGP EHP Screening form and submit to the EHP Office at GPDEHPInfo@fema.dhs.gov.

E. Application Review Information

Prior to making a federal award, the federal awarding agency is required by 31 U.S.C. 3321 and 41 U.S.C. 2313 to review information available through any OMB-designated repositories of government-wide eligibility qualification or financial integrity information. Therefore, application evaluation criteria may include the following risk-based considerations of the applicant: (1) financial stability; (2) quality of management systems and ability to meet management standards; (3) history of performance in managing federal award; (4) reports and findings from audits; and (5) ability to effectively implement statutory, regulatory, or other requirements.

Funding priorities and criteria for evaluating SAFER applications are established by FEMA based on the recommendations from the Criteria Development Panel (CDP). Each year, FEMA convenes a panel of fire service professionals to develop funding priorities for the SAFER Grant program. The panel makes recommendations about funding priorities as well as developing criteria for awarding grants.

The nine major fire service organizations represented on the panel are:

- International Association of Fire Chiefs
- International Association of Fire Fighters
- National Volunteer Fire Council
- National Fire Protection Association
- National Association of State Fire Marshals
- International Association of Arson Investigators
- International Society of Fire Service Instructors
- North American Fire Training Directors
- Congressional Fire Service Institute

The CDP is charged with making recommendations to FEMA regarding the creation or modification of previously established funding priorities as well as developing criteria for awarding grants. The content of this NOFO reflects implementation of the CDP's recommendations with respect to the priorities, direction, and criteria for awards.

Review and Selection Process

SAFER applications are reviewed through a multi-phase process. After the close of the application period and before the Panel Review Process begins, FEMA will review the applications submitted for eligibility. Additionally, all layoff notices attached will be verified by the FEMA Program Office. Finally, all applications will be electronically pre-scored and ranked. Applications are then scored competitively by (no less than three) members of the Peer Panel Review process. Applications will also be evaluated through a series of internal FEMA review processes for completeness, adherence to programmatic guidelines, technical feasibility, and anticipated effectiveness of the proposed project(s). Below is the process by which applications will be reviewed:

Criteria

All complete and eligible applications are evaluated relative to SAFER Grant funding priorities. For details on the funding priorities, please refer to Appendix B: Programmatic Information and Priorities – Funding Priorities.

i. Pre-scoring Process

In the application, fire departments applying for SAFER Grants will be asked general questions about their organization and community, as well as questions specific to the proposed project. National, state, local, or tribal organizations that represent the interests of volunteer firefighters will be asked a number of general questions regarding their organizations and a series of activity-specific questions relative to the recruitment and retention projects they propose and the activities selected. Answers to activity-specific questions as well as information submitted throughout the application will determine an applicant's standing relative to SAFER Grant funding priorities. Applications most consistent with the SAFER Grant funding priorities score higher in the automated evaluation. Automated evaluation scores represent 50 percent of the total application score.

ii. Peer Review Panel Process

A panel of at least three Peer Review Panelists performs the second phase of an application's evaluation. The panel is comprised of fire service representatives recommended by the national organizations from the CDP. These panelists evaluate the application using the Narrative Statement, answers to the general questions, and answers to the activity-specific questions. Each application is evaluated on its own merits against established criteria and is not compared to other applications. The peer review evaluation score represents 50 percent of the total application score.

iii. Technical Evaluation Process (TEP)

The highest ranked applications will be deemed in the fundable range. Applications that are in the fundable range will undergo both a Technical Review by a Subject Matter Expert (SME) as well as a FEMA Program Office review prior to being recommended for award. The FEMA Program Office will assess the request with respect to costs, quantities, feasibility, eligibility, and recipient responsibility prior to recommending any application for award.

Once the TEP is complete, each application's cumulative score will be determined and a final ranking of applications will be created. FEMA will award grants based on this final ranking and the ability to meet statutorily required funding limitations outlined in Appendix B, V. Restrictions on Use of Award Funds.

Narrative Evaluation Criteria

The Narrative Statement of the application must provide specific details about the activity for which applicants are seeking funding, including budget details. The applicant must explain how the proposed activity is related to the hiring or recruitment and retention program.

In applications for Recruitment and Retention, applicants must also provide details regarding how volunteers will qualify for the incentives (who is eligible for initiatives funded under the grant and discuss any prerequisites). For example, an organization might withhold paying nominal stipends until members participate in a minimum number of operational activities.

Applicants should save their work often as the electronic application includes a time-out feature. If no-save activity is detected for a period of time, the application will time-out and all information that is not saved could be lost. Therefore, it is recommended that applicants type the Narrative Statement information offline using a word processing program, e.g., Microsoft Word®, WordPerfect® or Notepad, to avoid losing any information.

Once the Narrative Statement is complete, applicants can then cut-and-paste the text into the appropriate sections within the Narrative Statement section of the online application.

Please note the Narrative Statement blocks do not allow for formatting. Do not type the narrative using only capital letters. Additionally, do not include tables, special fonts (e.g., quotation marks, bullets), or graphs.

Space for the Narrative Statement is limited. Each element must have a minimum of 200 characters and each element will have a character limit; the limit varies based on the questions being asked. The character count is listed below. Once the Narrative Statement is saved to the online application, log-out and then log back in to the application to verify that the information was successfully saved.

Peer Review Panelists will evaluate and score each category based on the following narrative elements within each category:

i. Hiring of Firefighters Category

The Narrative Statement for applications requesting funding in this category must include Elements 1 through 4. Each element will be evaluated independently by a Peer Review Panelist. The relative weight of each element in the determination of the grant award is listed below.

1) Project Description (30%):

- a) Why does the department need the positions requested in this application? Describe when the positions were, or will be, vacated, and under what circumstances. If the request is based on a needs assessment or Insurance Services Office rating, provide details of those outcomes. (3000 character limit)
- b) Describe how the positions requested in this application will be used within the department (e.g., fourth on engine, open a new station, eliminate browned out stations, reduce overtime). What are the specific benefits that the positions requested in this application will provide to the fire department and community? (2000 character limit)
- c) Describe how the awarding of this grant would enhance the department's ability to protect critical infrastructure. (1000 character limit)

2) Impact on Daily Operations (30%):

- a) Explain how the community and the current firefighters employed by the department are at risk without the positions requested in this application. How will that risk will be reduced if awarded? (2000 character limit)
- b) Discuss the impact the positions requested in this application will have on the department's NFPA compliance. (2000 character limit)

3) Financial Need (30%):

- a) Provide additional details about the department's operating budget, including an income versus expenses breakdown of the annual budget. (2000 character limit)
- b) Describe the department's budget shortfalls and the inability to address the financial needs without federal assistance. What other actions has the department taken to obtain funding elsewhere (e.g., state assistance programs, other grant programs)? (2000 character limit)

- c) Discuss how the critical functions of the department are affected without this funding. (2000 character limit)
- 4) **Cost Benefit (10%):**
Describe the benefits (e.g., anticipated savings, efficiencies) the department and community will realize if awarded the positions requested in this application. (3000 character limit)
- ii. **Recruitment and Retention of Volunteer Firefighters Category (Fire Departments)**
The Narrative Statement for applications requesting funding in this category must include Elements 1 through 4. Each element will be evaluated independently by a Peer Review Panelist. The relative weight of each element in the determination of the grant award is listed below:
 - 1) **Project Description (30%):**
 - a) Describe the problems and/or issues the department is experiencing in recruiting new volunteer firefighters. What are the problems and/or issues the department is experiencing in retaining current members? (3000 character limit)
 - b) Describe the implementation plan to directly address the identified problems or issues. What are the methods and specific steps that will be used to achieve this plan? (3000 character limit)
 - c) Describe how the recruitment of new volunteer firefighters and/or retention of current volunteer firefighters will impact the department's operational needs or capabilities. (1500 character limit)
 - d) Describe the specific benefits the new volunteer firefighters and/or retention of current volunteer firefighters will provide for the fire department(s) and community. (1000 character limit)
 - e) If the grant request will have a regional impact, identify the activities that are part of the regional request and explain which activities are exclusive to the host applicant, if applicable. (2000 character limit)
 - 2) **Impact on Daily Operations (30%):**
 - a) Describe how the community and current volunteer firefighters in the department are at risk without the items or activities requested in this application. How will the risk be reduced if awarded? (2000 character limit)
 - b) Provide details on how often the department currently complies with the applicable NFPA 1710 or NFPA 1720 standards. Explain the impact the recruitment of new volunteer firefighters and/or the retention of current volunteer firefighters will have on the department's NFPA compliance, if awarded. (2000 character limit)
 - 3) **Financial Need (30%):**
 - a) Provide additional details about the department's operating budget, including a high-level income versus expenses breakdown of the department's annual budget. (2000 character limit)
 - b) Describe the department's budget shortfalls and the inability to address financial needs without federal assistance. What other actions has the department taken to obtain funding elsewhere (e.g., state assistance programs, other grant programs)? How have similar projects have been funded in the past? (2000 character limit)

- c) Discuss how the critical functions of the department are affected without this funding. (1000 character limit)
- 4) **Cost Benefit (10%):**
Describe the benefits (e.g., anticipated savings, efficiencies) the department and community will realize if awarded the items or activities requested in this application. (3000 character limit)
- iii. **Recruitment and Retention of Volunteer Firefighters Activity (national, state, local, or tribal volunteer firefighters interest organizations)**
The Narrative Statement for applications requesting funding in this category must include Elements 1 through 4. Each element will be evaluated independently by a Peer Review Panelist. The relative weight of each element in the determination of the grant award is listed below:
 - 1) **Project Description (30%):**
 - a) Describe the problems and/or issues the fire departments, who the organization will be reaching with this grant, are experiencing in recruiting new volunteer firefighters. What are the problems and/or issues the same departments are experiencing in retaining current members? (3000 character limit)
 - b) Describe the organization's implementation plan to directly address the problems or issues identified. What are the methods and specific steps that will be used to achieve this plan? (3000 character limit)
 - c) Describe how the recruitment of new volunteer firefighters and/or retention of current volunteer firefighters will impact the operational needs or capabilities of the fire departments participating in this application. (1500 character limit)
 - d) Describe the specific benefits the new volunteer firefighters and/or retention of current volunteer firefighters will provide for the fire departments participating in this application and their respective communities. (1000 character limit)
 - e) Describe the organization's procurement practices and the timelines outlining the chronological steps to complete the activities requested in this application. (2000 character limit)
 - 2) **Impact on Daily Operations (30%):**
 - a) Describe how the fire departments participating in this application and their current volunteer firefighters and communities are at risk without the items or activities requested in this application. How will that risk be reduced if awarded? (2000 character limit)
 - b) Describe the impact that the recruitment of new volunteer firefighters and/or the retention of current volunteer firefighters will have on the NFPA compliance of the fire departments participating in this application, if awarded. (2000 character limit)
 - 3) **Financial Need (30%):**
 - a) Provide detail about the organization's operating budget, including a high-level income versus expenses breakdown of the annual budget. (2000 character limit)
 - b) Describe the organization's budget shortfalls and the inability to address the financial needs without federal assistance. What other actions has the organization taken to obtain funding elsewhere (e.g., state assistance programs, other grant programs)?

- How have similar projects have been funded in the past? (2000 character limit)
- c) Discuss how the critical functions of the organization are affected without this funding. (1000 character limit)

4) Cost Benefit (10%):

Describe the benefits (e.g., anticipated savings, efficiencies) the fire departments participating in this application and their communities will realize if awarded the items or activities requested in this application. (3000 character limit)

Turndown Notifications

All applicants who do not receive an FY 2015 SAFER Award will receive a decision notification from FEMA within the eGrants system.

The notification email will briefly describe those application factors that did not adequately align to the higher FP&S Program priorities and consequently, why the application did not score high enough for further consideration. Due to the historical volume of applications and turndowns, detailed debriefs for each applicants will not be possible.

F. Federal Award Administration Information

Notice of Award

Once an award has been approved and recorded in the system, an award package is sent to the grant official authorized by the recipient. The award package and email notification will be made within the eGrants system. The authorized grant official should follow the directions in the notification to accept the award documents. The authorized grant official should carefully read the award package for instructions on administering the grant, whether there has been an adjustment to the award, and to become familiar with the terms, conditions and responsibilities of federal awards.

The offered award will remain on hold and be available (for a maximum of 30 days) until the recipient either accepts the award via the online AFGP eGrants system, or declines the award. The recipient should follow the directions in the notification to confirm acceptance of the award.

Failure to accept the grant award within 30 days of an offer of Award may result in a loss of funds. Recipients may request additional time to accept the award if needed.

Negotiation of Award

During the review process for a SAFER Award, the application request(s) may have been modified. These modifications will be identified in the award package, which is provided upon the offer of an award.

If the awarded activities, scope of work, or requested dollar amount(s) do not match the application as submitted, the recipient shall only be responsible for completing the activities actually funded by FEMA. The recipient is under no obligation to start, modify, or complete any activities requested but not funded by the award.

Administrative and National Policy Requirements

Successful applicants for all DHS/FEMA grant and cooperative agreements are required to comply with DHS Standard Administrative Terms and Conditions, which are available online at:

Before accepting the award, the authorized official should carefully read the award package. The award package contains instructions on administering the grant award, as well as terms and conditions with which the recipient must comply. Recipients must accept all the conditions in this NOFO as well as all Terms and Conditions in the Notice of Award to receive an award under this program.

Reporting

Recipients are required to submit various financial and programmatic reports as a condition of their award acceptance. Future awards and funds drawdown may be withheld if these reports are delinquent.

Federal Financial Reporting Requirements

Federal Financial Reports (SF-425)

Recipients of SAFER Grants awarded on or after October 1, 2009, are required to submit semi-annual Federal Financial Reports (FFR) (SF-425). The FFR is to be submitted using the online eGrants system based on the calendar year beginning with the period after the start of the period of performance. Recipients are required to submit an FFR throughout the entire period of performance of the grant. Reports are due:

- **No later than July 30** (for period January 1 – June 30)
- **No later than January 31** (for period July 1 – December 31)
- Within 90 days after the end of the Period of Performance

The Federal Financial Reporting Form (FFR) and instructions are available at the following sites:

Instructions:

https://www.whitehouse.gov/sites/default/files/omb/grants/standard_forms/SF-425_instructions.pdf

SF-425 (FFR) Form:

http://www.whitehouse.gov/sites/default/files/omb/grants/approved_forms/SF-425.pdf

Financial and Compliance Audit Report

For audits of fiscal years beginning on or after December 26, 2014, recipients that expend \$750,000 or more from all federal funding sources during their fiscal year are required to submit an organization-wide financial and compliance audit report. The audit must be performed in accordance with the requirements of the Government Accountability Office's (GAO) Government Auditing Standards, located at <http://www.gao.gov/govaud/ybk01.htm>, and the requirements of Subpart F of 2 C.F.R. Part 200, located at <http://www.ecfr.gov/cgi-bin/text-idx?SID=876f827f6fae2c4bce610e9427a6d229&node=sp2.1.200.f&rqn=div6>.

For audits of fiscal years beginning prior to December 26, 2014, recipients that expend \$750,000 or more from all federal funding sources during their fiscal year are required to submit an organization-wide financial and compliance audit report. The audit must be performed in accordance with GAO's Government Auditing Standards, located at <http://www.gao.gov/govaud/ybk01.htm>, and OMB Circular A-133, Audits of States, Local Governments, and Non-Profit Organizations, located at: http://www.whitehouse.gov/omb/circulars/a133_compliance_supplement_2012.

Program Performance Reporting Requirements

The recipients will be responsible for providing updated project(s) information on a quarterly basis. The recipient is responsible for completing and submitting a programmatic Performance Report using the eGrants system. The programmatic Performance Report is due every three months after the start of the grant's period of performance, and thereafter until the award is closed out.

Monitoring

Recipients will be monitored periodically by FEMA staff, both programmatically and financially, to ensure that the project goals, objectives, performance requirements, timelines, milestone completion, budgets, and other related program criteria are being met.

Monitoring may be accomplished through either a desk-based review or onsite monitoring visits, or both. Monitoring will involve the review and analysis of the financial, programmatic, performance, compliance and administrative processes, policies, activities, and other attributes of each federal assistance award, and will identify areas where technical assistance, corrective actions, and other support may be needed.

The recipient is responsible for monitoring all sub-award activities to ensure compliance with federal and state laws, regulations, and guidance. Responsibilities include the accounting of receipts and expenditures, cash management, maintaining of adequate financial records, reporting and refunding expenditures disallowed by audits, monitoring, or other assessments and reviews.

Closeout

Within 90 days after the end of the period of performance, recipients must submit a final SF-425 and a final performance report (within the closeout module in eGrants system) detailing all accomplishments and a qualitative summary of the impact of those accomplishments throughout the period of performance.

After these reports have been reviewed and approved by FEMA, a closeout notice will be completed to close out the grant. The notice will indicate the period of performance as closed, list any remaining funds that will be deobligated, and address the requirement of maintaining the grant records for three years from the date of the final SF-425.

The recipient is responsible for returning any federal funds that they have liquidated but remain unobligated by the recipient.

Information on how to return funds to FEMA is available at:

<http://www.fema.gov/media-library/assets/documents/31261?id=7080>

The final SF-425 (FFR) Form will be within the closeout module but a copy can be found at

http://www.whitehouse.gov/sites/default/files/omb/grants/approved_forms/SF-425.pdf

G. DHS Awarding Agency Contact

Contact and Resource Information

SAFER Help Desk

The SAFER Help Desk provides technical assistance to applicants for the online completion and submission of applications into the eGrant system, answers questions concerning applicant eligibility and recipient responsibilities, and offers assistance in the programmatic administration of award. The Help Desk can be contacted at (866) 274-0960 or by email at FireGrants@fema.dhs.gov. Normal hours of operation are from 8:00 a.m. to 4:30 p.m., Monday through Friday. All times listed are Eastern Time.

eGrants System Information

For technical assistance with the eGrants system or SAFER Application or Award questions, please email the SAFER Help Desk at: FireGrants@fema.dhs.gov, the Help Desk can also be contacted at (866) 274-0960.

Environmental and Historical Preservation (EHP)

- EHP Screening forms and instructions are available at <https://www.fema.gov/media-library/assets/documents/22789>
- SAFER recipients requiring EHP assistance should contact the GPDEHP Team at: GPDEHPInfo@fema.dhs.gov

H. Additional Information

Extensions

Extensions to the period of performance are allowed.

Extensions to the Grant Period of Performance

An award's period of performance must be active for a recipient to submit a proposed extension request to FEMA. Recipients should request extensions sparingly and only under exceptional circumstances.

Approval is not guaranteed.

Extensions to the initial period of performance identified in the award will only be considered through formal requests, via the eGrants system, and must contain specific and compelling justification as to why an extension is required.

All extension requests must contain:

1. Grant Program, Fiscal Year, and award number;
2. Justification for the extension—this must include details of the legal, policy, or operational challenges being experienced that prevent the final outlay of awarded funds by the applicable deadline;
3. Current status of the activity/activities;
4. Approved period of performance termination date and new project completion date;
5. Amount of funds drawn down to date;
6. Remaining available funds, both federal and non-federal;
7. Budget outlining how remaining federal and non-federal funds will be expended;
8. Plan for completion, including milestones and timeframes for achieving each milestone and the

- position/person responsible for implementing the plan for completion; and
9. Certification that the activity/activities will be completed within the extended period of performance without any modification to the original Statement of Work approved by FEMA.

Requirements for Extension Consideration

To be eligible for consideration, extension requests must be submitted via the eGrants system. Requests should be submitted no earlier than 120 days but no later than 60 days prior to the end of the award's period of performance.

- In accordance with FEMA policy, extensions are reviewed on a case-by-case basis, and typically granted for no more than a six-month time period. Extension requests will be granted only due to compelling legal, policy, or operational challenges. The review process can take up to 30 days or longer. This review period should be factored into the timing of when to submit a request for an extension.

Example: Recipients may request an extension, when not adjusting the timeline for liquidating obligations would constitute a verifiable legal breach of contract by the recipient with vendors or sub-recipients; or where a specific statute or regulation mandates an environmental review that cannot be completed within this timeframe; or where other exceptional circumstances warrant a discrete waiver.

Appendix A: Application Guidelines

Appendix A contains more detailed information on SAFER Application Guidelines.

I. New For FY 2015

Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards

On December 26, 2014, DHS adopted the Office of Management and Budget's (OMB) *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* in 2 C.F.R. Part 200, which establishes a uniform set of mandatory requirements for federal awards to non-federal entities. These requirements apply to all awards made after December 26, 2014, including all FY 2014 and 2015 SAFER Awards. This regulation (also commonly referred to as the "Super Circular" or "Omni Circular") is available at: http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title02/2cfr200_main_02.tpl

A crosswalk that highlights policy changes, clarifications, and updates to policy provisions, is available at: <https://www.whitehouse.gov/sites/default/files/omb/fedreg/2013/uniform-guidance-crosswalk-from-predominate-source-in-existing-guidance.pdf>

Appendix B – Programmatic Information and Priorities

Appendix B contains more detailed information on SAFER Program Information and Priorities. Reviewing this information may help applicants make their application(s) more competitive.

I. Supporting Definitions for this NOFO

The following definitions apply to SAFER Grants.

Attrition: A gradual reduction in work force without laying off of personnel, as when workers resign or retire and are not replaced.

Automatic-aid: An agreement whereby fire departments are dispatched simultaneously on the initial alarm or where fire departments participate in closest-unit response dispatching.

Benefits: Includes regular compensation paid to employees during periods of authorized absences from the job, e.g., vacation leave, sick leave, military leave. These costs are absorbed by all organization activities in proportion to the relative amount of time or effort actually devoted to each. Employer contributions or expenses for social security, employee insurance, workmen's compensation, pension plan costs, and the like, whether treated as indirect costs or as direct costs, shall be distributed to particular awards and other activities in a manner consistent with the pattern of benefits accruing to the individuals or group of employees whose salaries and wages are chargeable. Overtime expenses, other than those meeting the Fair Labor Standards Act (FLSA) requirements, are not eligible as benefits costs under the Hiring of Firefighters category.

Career Fire Department: A fire department that has an all-paid force of firefighting personnel other than paid-on-call firefighters (fire departments that provide reimbursement on a paid-on-call basis are considered to be a combination fire department for the purposes of this program).

Combination Fire Department: A fire department that has paid firefighting personnel and volunteer firefighting personnel. At a minimum, a combination fire department must have at least one active firefighter who receives financial compensation for services (including paid-on-call) and/or at least one active firefighter who does not receive financial compensation for services, other than life, health, and workers' compensation insurance.

Emergency Medical Services Organization: A public or private organization that provides direct emergency medical services, including medical transport.

Fire Department: An agency or organization that has a formally recognized arrangement with a state, territory, local government, or tribal authority (city, county, parish, fire district, township, town, or other governing body) to provide fire suppression on a first-due basis to a fixed geographical area. Fire departments may be comprised of members who are volunteer, career, or a combination of volunteer and career.

Firefighter: An individual having the legal authority and responsibility to engage in fire suppression; employed by a fire department of a municipality, county, fire district, or state, engaged in the prevention, control, and extinguishing of fires; and/or responding to emergency situations in which life, property, or the environment is at risk. This individual must be trained in fire suppression, but may also

be trained in emergency medical care, hazardous materials awareness, rescue techniques, and any other related duties provided by the fire department.

Formal Layoff Notice: Any layoff notice should align with the local rules and regulations that govern civil service employment in the jurisdiction. In order to be reasonable to employees, and to provide employees facing layoff actions a clear understanding of the impending action, any notice of layoff should be in writing and delivered to a specific employee affected by the action. The notice should identify a specific date employment will cease or specific event that would trigger the termination of employment. The notice should be delivered or otherwise presented directly to the affected employee in advance of the layoff action in accordance with the civil service provisions or union agreement in force in the jurisdiction taking action, e.g., 60 days prior to the effective date of the layoff action. The notice should specify whether the action is permanent or temporary, as well as provide the anticipated schedule of layoffs. For the purposes of the SAFER Program, a notice that is not executed within the specified terms will be considered void unless an additional notice is provided within 14 days of the original action date.

Initial Full Alarm Assignment: Personnel, equipment, and resources ordinarily dispatched upon notification of a structural fire.

Majority Career: A department is considered majority career if 50 percent or more of the active firefighting membership is salaried staff.

Majority Volunteer: A department is considered majority volunteer if more than 50 percent of the active firefighting membership is NOT compensated for service other than a nominal stipend and/or insurance.

Mutual-aid: An agreement whereby assisting fire departments are dispatched into another fire department's jurisdiction only when the first-arriving unit on a scene calls for assistance, or when specially requested by dispatch.

National, State, Local, or Tribal Organizations that Represent the Interests of Volunteer Firefighters: Organizations that support or represent the interests of firefighters in front of legislative bodies at the local, state, tribal, and federal level. Such organizations include, but are not limited to, state or local firefighter and/or fire chiefs' associations, volunteer firefighter relief organizations, and associations. FEMA shall make the final determination as to whether an applicant is an appropriate volunteer firefighter interest group.

Nominal Stipend: A stipend is nominal if it does not exceed 20 percent of what the fire department would otherwise pay to hire a full-time firefighter to perform the services for which the stipend is provided. Whether a stipend falls above or below the 20 percent threshold may be determined in one of two ways. Departments that maintain paid full time firefighters on their payrolls may compare the stipend to the salary they pay a full time firefighter who performs similar services to determine whether the stipend is more or less than 20 percent of that salary. Departments that do not maintain full time firefighters on their payrolls may make the determination based on a comparison to the salary paid to a full time firefighter in a neighboring jurisdiction, elsewhere in the state or ultimately the nation, and may also utilize data from the Department of Labor's Bureau of Labor Statistics. A nominal stipend may also include reimbursements to volunteer firefighters for approximate out-of-pocket expenses they incur.

If a stipend paid exceeds 20 percent of the prevailing wage calculated as described above, then the firefighter receiving compensation would not qualify as a volunteer and is considered an employee who may be covered by the FLSA minimum wage and overtime provisions.

Operational Budget: The budget supporting fire-related programs and/or emergency response activities (e.g., salaries, maintenance, equipment, apparatus).

Paid-on-Call: Firefighters who are paid a stipend for each event to which they respond. Paid-on-call firefighters may be considered paid firefighters or volunteer firefighters, depending on whether the stipend they receive is a nominal stipend. For the purposes of this SAFER Program, a department whose membership is comprised of all volunteer firefighters, including any paid-on-call firefighters who receive only a nominal stipend, will be considered a volunteer fire department. Also, for the purposes of this SAFER Program, a department whose membership is comprised of any paid-on-call firefighters who receive more than a nominal stipend will be considered a combination fire department. Also refer to the definition of a nominal stipend.

Part-Time Firefighter: A firefighter who works less than 40 hours per week. When more than one part-time firefighter shares a position that results in work in excess of 40 hours per week, FEMA considers that shared assignment to be a Full-time Equivalent (FTE) position that must be accounted for in the staffing information provided in the application.

State: Any of the 50 states, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands.

Staffing and Deployment: The minimum staffing requirements to ensure a sufficient number of members are available to operate safely and effectively as defined in NFPA 1710 and 1720.

Volunteer Fire Department: A fire department that has an all-volunteer force of firefighting personnel. For a fire department to have an all-volunteer force, no member may receive financial compensation (in the form of salary or wages) for their services other than life and health insurance, workers' compensation insurance, and/or a nominal stipend per call. FEMA considers a department to be majority volunteer if more than 50 percent of its membership is made up of personnel who do not receive financial compensation for services.

II. Application Tips

The SAFER eGrants application system is only accessible through the AFGP Application Portal at <https://portal.fema.gov/>. There are several ways to get SAFER Application information:

- AFGP Website (<http://www.fema.gov/firegrants>)
- Grants.gov (<http://www.grants.gov>)
- U.S. Fire Administration (<http://www.usfa.fema.gov>)

Application tutorials and Frequently Asked Questions (FAQs) help explain the current SAFER Grant Programs, assist with the online grant application, and highlight lessons learned and changes for FY 2015. For more details, please visit the AFGP Website at <http://www.fema.gov/firegrants>.

NOTE: Do not use any other browsers than Internet Explorer (IE 6 or higher) when entering

information. Do not have multiple browser tabs open when entering information, even when using Internet Explorer (IE 6 or higher). There are several known problems entering application information using non-IE browsers or having multiple browsers open, including but not limited to:

- system failure to recognize correct information
- system failure to capture and retain correct information
- system functions like “cut and paste” being disabled
- system resources like help screens or drop down menus being unavailable

Prior to submission and up to the application deadline, the online application can be saved, retrieved, or edited as required.

IMPORTANT

Once the application is submitted, it cannot be changed. There is *no* appeal process for inaccurate or incomplete information retained by the system due to improper or multiple browser usage by the applicant.

NO APPLICATION WILL BE RELEASED AFTER FINAL SUBMISSION

The primary point of contact listed in the application will automatically be notified via email, via the eGrants award management system, once the application is received.

- For the most competitive application, select those local need(s) that most closely align with the highest SAFER Program priorities.
- When filling out the online application, applicants are required to provide basic demographic information regarding their department and the community served, and applicants must provide detailed information regarding the items or activities for which they are seeking funding.
- If awarded, the application request(s) may be modified during the award review process; if the awarded activities, Scope of Work, or amount(s) don't match the application as submitted, the grantee shall only be responsible for completing the activities actually funded. The grantee is under no obligation to start, modify, or complete any activities requested but not funded by this award. Please review Award Package.

Applicant tools and Frequently Asked Questions (FAQs) are posted at <http://www.fema.gov/firegrants>.

Telephone Device for the Deaf (TDD) and/or Federal Information Relay Service (FIRS)
The TDD/FIRS Number available for this announcement is (800) 462-7585.

The automated application is designed with help screens and drop-down lists to assist the applicant throughout the process. Applicants can save, retrieve, update and revise their work through the end of the application period; however, after an application has been completed and submitted, no changes can be made.

The automated system does not allow an applicant to submit an incomplete application. The system alerts the applicant when required information has not been entered. By submitting an application online, the applicant will automatically receive an e-mail confirmation that the application was successfully submitted.

The online system will allow a single authorized representative of an eligible organization to log on and create a user name and password. The selection of the authorized representative is at the discretion of each applicant. Applicants should record their user name and password for future access to their application.

III. Restrictions on Use of Award Funding

Federal funds made available through this award may only be used for the purpose set forth in this award and must be consistent with the statutory authority for the award. Award funds may not be used for matching funds for any other federal grants/cooperative agreements, lobbying, or intervention in federal regulatory or adjudicatory proceedings. In addition, federal funds may not be used to sue the Federal Government or any other government entity. Failure to adhere to the award conditions will cause the grantee to be considered in default of the grant agreement, and may require the return of all federal funds disbursed under the grant.

IV. Funding Priorities

Hiring of Firefighters Category

- First priority: Rehiring laid off firefighters who were laid-off within the two years prior to the start of the application period.
- Second priority: Retention of firefighters who face imminent layoff or filling positions vacated through attrition, within the two years prior to the start of the application period, but not filled due to economic circumstances
- Third priority: Hiring new firefighters

Recruitment and Retention of Volunteer Firefighters Category

- The highest priority is to assist departments experiencing a high rate of turnover and with staffing levels significantly below the ideal staffing level required to comply with National Fire Protection Association (NFPA) standards 1710 or 1720.

Program Priorities Description

This section summarizes the program priorities used to determine grant awards. Program priorities are listed as High **H**, Medium **M**, or Low **L**. Within each identified program priority, all the proposed activities have an equal value.

There are separate evaluation criteria for the following categories:

- Hiring of Firefighters category (including rehiring, retention, attrition, and new hires)
- Recruitment and Retention of Volunteer Firefighters category – Fire Departments
- Recruitment and Retention of Volunteer Firefighters category – National, State, Local, or Tribal Volunteer Firefighter Interest Organizations

A. Hiring of Firefighters Category

Grants awarded under the Hiring of Firefighters category enable combination and career fire departments to improve or restore staffing levels to attain a more effective level of response and a safer incident scene. Grants are awarded directly to volunteer, combination, and career fire departments to help fire departments increase their cadre of frontline firefighters. Funding under these subcategories provides fire departments with funds to pay firefighter

salaries and benefits (exclusive of overtime).

1. Meeting the National Standards

FEMA prioritizes bringing non-compliant (NFPA 1710 or 1720) departments back into compliance in the most cost-effective manner.

Applicants will be asked general questions about the NFPA standard they are attempting to meet as well as their current ability to meet that standard (without including the use of overtime). Applicants will also be asked to indicate what their ability will be to meet that same standard if awarded grant funds.

Having additional firefighters on staff should improve a local fire department's ability to comply with the staffing, response, and operational standards that enhance community and firefighter safety.

Applications resulting in the largest percentage increases in compliance with the relevant section of NFPA 1710 (for career departments) or 1720 (for volunteer departments) receive higher consideration than applications resulting in smaller percentage increases in compliance.

Note: SAFER Grants focus only on the Deployment or Staffing and Deployment sections of these two standards, respectively.

- NFPA 1710 Assembly Requirements: Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Career Fire Department (Section 5.2.4.2 – Initial Full Alarm Assignment Capability)
- This standard applies primarily to all-career fire departments and combination departments if the combination department chooses it.
- NFPA 1720 Assembly Requirements: Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Volunteer Fire Departments (Section 4.3 – Staffing and Deployment); this standard applies primarily to all-volunteer fire departments, but it may also apply to combination departments if the combination department does not choose to comply with the NFPA 1710 standard.

The tables below identify the priority levels for current and new compliance with the NFPA 1710/1720 standard.

Current 1710/1720 Compliance Priorities	
H Never or 0%	M Half the time or 40-59%
H Rarely or 1-19%	L Very often or 60-79%

Current 1710/1720 Compliance Priorities	
M Sometimes or 20-39%	L Most of the time or 80-99%

New 1710/1720 Compliance Priorities	
H Always or 100%	M Half the time or 40-59%
H Most of the time or 80-90%	L Sometimes or 20-39%
M Very often or 60-79%	L Rarely or 1-19%

2. Call Volume and Population Served

Department call volume and population served are both factors in the initial application evaluation. Departments responding to a higher number of incidents and departments who protect a larger jurisdiction will receive higher consideration than those departments responding to fewer incidents and protecting smaller jurisdictions.

3. Firefighter Health Measures

The health and wellbeing of firefighters is of paramount importance. Therefore, applicants who indicate newly recruited firefighters will undergo an entry-level physical and receive immunizations and who indicate they will provide annual medical exams receive higher consideration than applicants who do not specify these benefits will be provided. To qualify for this higher consideration, the physicals must be consistent with those required under NFPA 1582 Chapter 6, Medical Evaluations of Candidates 6.1 and Chapter 9, Essential Job Tasks — Specific Evaluation of Medical Conditions in Members.

4. Training Requirements

Applicants will receive higher consideration if the personnel funded under the grant will meet the minimum EMS certification requirements prescribed by the locality or state having jurisdiction.

B. Recruitment and Retention of Volunteer Firefighters Category

The purpose of these grants is to assist fire departments with the recruitment and retention of volunteer firefighters who are involved with or trained in the operations of firefighting and emergency response. The grants are intended to create a net increase in the number of trained, certified, and competent firefighters capable of safely responding to emergencies within the grantee's response area. For this reason, projects that are comprehensive in nature and based on a clear needs assessment, implementation plan, and evaluation plan will receive higher consideration. The following identifies the elements that the applications will be evaluated on during the pre-scoring process.

1. Meeting Staffing Standards

The goal under this SAFER category is to assist departments experiencing a high rate

of turnover and that have staffing levels significantly below the ideal staffing level required to comply with NFPA standards 1710 or 1720 (for details, see section 1(c) Meeting National Standards).

Departments who currently have the lowest recruitment and retention rates are given a higher consideration for funding.

2. Volunteer Membership

Departments or organizations with the highest percentage of volunteers should benefit the most from the recruitment and retention of volunteer firefighters. Therefore, applicants whose membership is comprised of mostly volunteer members, or have a significant number of volunteer firefighters, receive higher consideration.

Percentage of Volunteers	
H 91-100%	M 41-50%
H 81-91%	M 31-40%
H 71-80%	L 21-30%
H 61-70%	L 11-20%
M 51-60%	L 1-10%

3. Recruitment/Retention Plan

It is critical to have a plan for recruitment and/or retention activities. Applications requesting funding for recruitment and/or retention programs should be based on formal plans. Applicants must summarize the departments' recruitment and/or retention plans in the Narrative Statement and explain how the projects/activities will fulfill the plans and meet organizational goals.

4. Call Volume

Department call volume is a factor in the initial evaluation. Departments responding to a higher number of incidents receive higher consideration.

5. Firefighter Health Measures

Applicants who indicate the newly recruited firefighters will undergo an entry-level physical and receive immunizations, who indicate they will provide annual medical exams, and who provide worker's compensation/Accidental Death & Dismemberment (AD&D) benefits to their members receive higher consideration than applicants who do not specify these benefits will be provided.

Entry-Level Medical Exams	
H NFPA 1582-compliant physicals	M Non-NFPA-compliant physicals

Annual Medical Exams	
H NFPA 1582-compliant physicals	M Non-NFPA-compliant physicals

6. Training Requirements

Training and Certification	
H FF II/EMT	M FF I
H FF II	L First Responder
M FF I/EMT	

7. Recruitment and Retention (R&R) Coordinator

R&R Coordinator	
H Applicants who currently have a coordinator in place	
M Applicants who will request grant funding for a coordinator's position	L Applicants who do not have, or are not requesting, an R&R Coordinator

8. Evaluation Plan

Evaluation Plan	
H Applicants who will perform a periodic evaluation of the program's impact	L Applicants who will not perform a period evaluation of the program's impact

9. Marketing Plan

Marketing Plan	
H Applicants who currently have a marketing plan in place	

Marketing Plan

M Applicants who will request grant funding for a marketing plan

L Applicants who do not have, or will not request funding for, a marketing plan

10. Regional Requests

Requests for recruitment or retention that have a regional impact (i.e., an impact beyond the immediate boundaries of the applicant's first-due area) will receive higher consideration.

An eligible applicant, which can include a fire department, may act as a "host applicant" and apply for support of both a regional initiative and its own department's internal needs on one application. In order to apply for a regional project, the host fire department must agree, if awarded, to be responsible for all aspects of the grant. This includes, but is not limited to, accountability for the assets and all reporting requirements. Regional host applicants and participating partner agencies must execute a Memorandum of Understanding (MOU) or equivalent document, signed by all parties participating in the award, prior to submitting an application under the Regional Program activities. The agreement should specify the individual and mutual responsibilities of the participating partners, the participant's level of involvement in the project(s), and the proposed distribution of all grant-funded assets. Successful regional applicants shall provide a copy of the signed MOU at the time of award. Any entity named in the application as benefiting from the award shall be a party to the MOU or equivalent document.

In completing the Request Details and Narrative Statement sections of the application, the applicant must include a list of participating third-party organizations that will benefit from the regional project if the project is approved. The third-party organizations that will benefit from the recruitment and retention project may also apply for funding under SAFER as long as the third-party organizations do not apply for a project that could conflict with or duplicate the host applicant's project. Applicants must also certify that they will ensure the fire departments participating in this application have not received grants for similar items/activities.

Note: Only applications submitted under the Recruitment and Retention of Volunteer Firefighter category qualify for regional project requests. Regional projects are not eligible under the Hiring of Firefighters category.

C. Recruitment and Retention of Volunteer Firefighters Category – National, State, Local, or Tribal Volunteer Firefighter Interest Organizations

The purpose of these grants is to assist national, state, local, or tribal organizations that represent the interests of volunteer firefighters with the recruitment and retention of volunteer firefighters who are involved with or trained in the operations of firefighting and emergency response. The grants are intended to create an aggregate increase in the number of trained, certified, and competent firefighters capable of safely responding to emergencies on behalf of the fire departments being represented. For this reason, projects that are comprehensive in

nature and based on a clear needs assessment, implementation plan, evaluation plan, and have, or will establish, fire service partnerships will receive higher consideration.

In completing the Request Details and Narrative Statement sections of the application, the applicant must include data that approximates the characteristics of the entire region and/or all fire departments affected by the grant. If awarded, recipients may be required to provide documentation of each fire department's consent to participate in the application. Applicants must also certify that they will ensure the fire departments participating in this application have not received grants for similar items/activities. The following identifies the elements that the applications will be evaluated on during the pre-scoring process.

1. Meeting Staffing Standards

The goal under this SAFER category is to assist departments experiencing a high rate of turnover that have staffing levels significantly below the ideal staffing level required to comply with NFPA standards 1710 or 1720 (for details, see Section 1c. Meeting National Standards). Organizations that currently have the lowest recruitment and retention rates among the entire region and/or all fire departments benefiting from the grant funds are given a higher consideration for funding.

2. Recruitment/Retention Plan

It is critical to have a plan for recruitment and retention activities. Applications requesting funding for recruitment or retention programs should be based on formal plans. Applicants must summarize the organization's recruitment and retention plans in the Narrative Statement and explain how the projects/activities applied will fulfill the plans and meet organizational goals.

3. Recruitment and Retention (R&R) Coordinator

R&R Coordinator	
H Applicants who currently have a coordinator in place	
M Applicants who will request grant funding for a coordinator's position	L Applicants who do not have, or are not requesting, a coordinator

4. Evaluation Plan

Evaluation Plan	
H Applicants who will perform a periodic evaluation of the program's impact	L Applicants who will not perform a period evaluation of the program's impact

5. Marketing Plan

Marketing Plan		
H	Applicants who currently have a marketing plan in place	
M	Applicants who will request grant funding for a marketing plan	L Applicants who do not have, or will not request funding for, a marketing plan

D. Eligible and Ineligible Projects and Costs

Regardless of the eligibility of any costs requested or the panelists' determination, FEMA reserves the right to reduce any requests for funding, in whole or in part, that it deems excessive or otherwise contrary to the best interests of the program.

Hiring of Firefighters Category – Eligible Costs

Hiring of Firefighters Category – Eligible Costs

- Salary and associated benefits (actual payroll expenses) for the positions funded under the SAFER Grant are eligible.
- Only firefighters hired or rehired after the SAFER Grant offer of award (except if awarded under the retention activity) are eligible for grant funding. Firefighters hired after the SAFER Grant offer of award are considered new hires.
- Only full-time positions are eligible for funding. A full-time position is one position that is funded for at least 2,080 hours per year, e.g., 40 hours per week, 52 weeks per year. However, recognizing many departments have shifts exceeding a 40-hour workweek, FEMA also will consider funding the job-sharing of a full-time position if the grantee has sufficient justification. A job-share position is a full-time position occupied by more than one person. Example: A department may hire two part-time staff persons at 28 hours each to fulfill the scheduled work hours of one 56-hour shift position.
- Salaries and benefits of firefighters hired under SAFER Funding while they are engaged in training are eligible.
- Costs for overtime that fire departments routinely pay as a part of the base salary or the firefighter's regularly scheduled and contracted shift hours in order to comply with the Fair Labor Standards Act (FLSA) are eligible.
- SAFER Grant funds will only pay for operational positions whose primary assignment (more than 50 percent of duties) is fire suppression, which includes staffing a fire suppression vehicle, regardless of collateral duties.
- Volunteer and mostly volunteer fire departments may hire individuals to also fill officer-level positions (e.g., chief, fire inspector, training officer, safety officer) in addition to their primary operational assignment.
- Eligible positions for funding under the Rehiring or Attrition activities must have been laid off or vacated in the two years prior to the start of the application period (February 22, 2016)
- Firefighters who have been issued a formal layoff notice, which includes a specific date for

Hiring of Firefighters Category – Eligible Costs

the layoff action, prior to the start of the application period, and those who face imminent layoff – within 120 days of the close of the application period – are eligible for SAFER Funding under the Retention activity. Since the application period closes on (March 25, 2016), the layoffs must become effective on or before (July 23, 2016).

- Any layoff action not executed in accordance with the terms of the official layoff notice or which does not meet the above requirements may not qualify for funding in the rehiring of laid off firefighters or retention categories. Applicants who do not meet these parameters must apply under the New Hire activity.
- Eligible positions under the Retention category must be employees of the department at the time of an offer of award. Note that if a retention position become vacant after award, departments must fill the vacancy with a new hire in order to maintain the operational staffing level.

Hiring of Firefighters Category – Ineligible Costs

Hiring of Firefighters Category – Ineligible Costs

- The salaries and benefits of firefighters who are current employees or were hired prior to an offer of award (except under the retention activity) are ineligible.
- The SAFER Grant may not be used to fund promotions (e.g., pay a current member a higher salary by placing them in a new SAFER-funded position). If a department chooses to promote a current member, SAFER Grant funding may be used to fund the vacated firefighter position.
- Pre-application costs, such as grant writer fees, administrative costs, and indirect costs associated with hiring or rehiring firefighters are ineligible.
- Costs to train and equip firefighters are ineligible (this does not include the salaries and benefits of firefighters hired under SAFER Funding while they are engaged in training).
- Uniforms and physicals are ineligible.
- Overtime costs are ineligible (except as noted in “eligible costs” above).

Recruitment and Retention of Volunteer Firefighters Category – Eligible Costs

Overview

Applicants must correlate the activities for which funding is being requested and the identified recruitment or retention problems or issues being addressed. FEMA will not fund activities if an applicant has not provided sufficient information detailing how an activity being funded will enhance recruitment and retention.

Applicants who propose to focus on retention of volunteers will receive equal consideration as applicants focusing on recruitment of volunteers. A focus on retention may include providing incentives for volunteer firefighter members to continue service in a fire department.

Departments should consult their jurisdiction to understand the full legal and financial implications involved with implementing or sustaining programs that offer benefits or financial awards to firefighters (e.g., stipends, Length of Service Award Program [LOSAP]).

Recruitment and Retention of Volunteer Firefighters Category – Eligible Costs

All grant related purchases and activities must be incurred, received, and completed within the period of performance. The period of coverage and/or service delivery on all contracts, and agreements may not extend beyond the period of performance of the grant.

All funded activities under Recruitment and Retention must be governed by formally adopted Standard Operating Procedures (SOPs). Minimally, these SOPs should specify who qualifies for each of the incentives, specific requirements for earning the incentives, and the disposition of the awarded incentives if an individual fails to fulfill the stipulations.

FEMA will not fund any activities that are covered under a department's normal operating budget.

Recruitment and Retention Category – Eligible Costs

Federal funding should not be used to supplant an existing activity or program. Retroactive payments or recognition for services rendered prior to the grant award are ineligible (with the potential exception of grant writer fees discussed in Appendix C: Award Administration Information, Section I. Grant Writer/Preparation Fees). Examples of initiatives that may receive funding include, but are not limited to:

- Nominal stipends for firefighters where the primary duty is an operational assignment (fire suppression) regardless of collateral duties. (See Appendix B: Programmatic Information and Priorities, Section II. Supporting Definitions for this NOFO.)
- Insurance packages, e.g., Accidental Death and Dismemberment (AD&D), workers compensation, disability, health, dental, life.
- Reimbursement to members while attending required basic training (e.g., compensation for lost wages, mileage, lodging, per diem). Note that costs for mileage, lodging, and per diem must comply with the department's written travel policies and procedures. If policies are not established, costs will only be reimbursed at the Federal Government rate.
- Marketing costs to recruit new volunteer members
- Station internet access
- Computers in common areas
- LED/electronic signs (note: 75 percent of usage must be dedicated to Recruitment and Retention activities – additional restrictions apply; see Section D: Application and Submission Information - Environmental Planning and Historic Preservation [EHP]).
- One set of station duty uniforms for each new recruit only (SAFER considers one set of station duty uniform as one pair of pants, one shirt, one hat, and one pair of boots)
- Non-uniform clothing (t-shirts, jackets, or pullovers) as part of an award program only.
- Station modifications (e.g., converting space into bunkroom - restrictions apply; see Section D: Application and Submission Information - Environmental Planning and Historic Preservation [EHP] Compliance)
- Salary and benefit costs for a recruitment and retention coordinator. Salary and benefit costs should be based on reliable market research (see earnings information published by the U.S. Bureau of Labor Statistics). Information on how the associated costs were determined should be provided in the Request Details portion of the application.
- Physicals for new recruits only. All grant-funded physicals must meet NFPA 1582 standards (Chapter 6, Medical Evaluations of Candidates 6.1 and Chapter 9, Essential Job Tasks — Specific Evaluation of Medical Conditions in Members). The cost of physicals should be based on local physician or health center prices.

Recruitment and Retention of Volunteer Firefighters Category – Eligible Costs

- Explorer, cadet, and mentoring programs (see page 35 for specific eligible costs)
- Staffing needs assessment
- Administrative costs up to three percent of the total awarded amount in accordance with 2 CFR Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards. Applicants may apply for administrative costs if the costs are directly related to the implementation of the program for which they are applying. Administrative costs are identifiable costs directly associated with the implementation and management of the grant and cannot exceed three percent of the award.
- Tuition assistance for higher education (including college tuition and not limited to firefighter training or education) and professional certifications (Note: coursework or certifications in this category should be more advanced than what the department typically funds for required minimum-staffing requirements)
- Books and lab fees for higher education or professional certification (not including computers)
- Costs for training not currently covered under the department's operating budget. Training requests must be detailed in the Request Details and Narrative Statement sections of the application and must closely correlate to the applicant's recruitment and/or retention goals.
- Awards program for participation in operational activities, like operational training and/or responding to incidents (e.g., length of service plaques, gift cards, non-uniform clothing)
- New Length of Service Award Programs (LOSAP)
- Mileage reimbursement for operational activities. Note that costs for mileage must comply with the department's written travel policies and procedures. If policies are not established, costs will only be reimbursed at the Federal Government rate.
- Applications for funding in the Recruitment and Retention category could include activities requiring up to four years to complete (with proper justification)
- Indirect costs for national, state, local, or tribal volunteer firefighter interest organizations that are expended pursuant to Section D: Application and Submission Information – Indirect Costs.
- Exercise equipment and gym memberships limited to no more than \$10,000 (total per grant award).
- Grant writer fees (see Appendix C: Award Administration Information, Section I. Grant Writer/Preparation Fees).
- Personal Protective Equipment (PPE) may be funded for new recruits only (after they have successfully passed an NFPA 1582 compliant physical), but PPE for other types of members or existing members is not eligible.
- Funds are available to acquire OSHA-required and NFPA-compliant PPE for firefighting personnel. Only actual costs for PPE are allowed and will be paid on a reimbursable basis. Allowable costs may be limited to reasonable amounts, as determined by FEMA.
- Recipients are required to provide documentation to support the purchase of PPE (proof that the firefighter(s) have undergone an NFPA 1582 compliant physical and are certified as "fit for duty"). PPE purchased with SAFER Grant funding must be utilized by adequately trained staff. In addition to these requirements, PPE must meet any national or state standards and increase firefighter safety. Failure to meet these requirements may result in ineligibility for PPE funding. Copies of NFPA standards may be reviewed at <http://www.nfpa.org/>.
- Eligible PPE Expenditures:

Recruitment and Retention of Volunteer Firefighters Category – Eligible Costs

- One set of PPE for structural or wildland firefighting per new recruit.
- SAFER considers a complete set of structural PPE to be comprised of one SCBA mask/face piece, one pair of pants, one coat, one helmet, one hood, one pair of boots, one pair of gloves, and one pair of suspenders. In those jurisdictions where additional PPE, like Personal Safety/Rescue Bailout Systems are statutorily required, SAFER will consider all statutorily required items to be part of a complete PPE set.
- SAFER considers a complete set of wildland PPE to be comprised of: one pair of boots, one set of coveralls (or pants, coat, and suspenders), one pair of gloves, one hood, one set of goggles, one helmet, and one fire shelter).
- American National Standards Institute (ANSI)-approved retro-reflective highway apparel
- Ineligible PPE Expenditures:
 - Three-quarter length rubber boots
 - Self-Contained Breathing Apparatus (SCBAs) (not including SCBA masks/face pieces)
 - PASS Devices
 - Spare cylinders
 - Bomb disposal suits
 - PPE for hazardous materials and other specialized incidents
 - More than one set of PPE per member
 - PPE for existing members

Remodeling/Renovation of Existing Facilities

- Remodeling/Renovation of Existing Facilities using SAFER Funds may not exceed \$10,000.
- Remodeling/renovations to an existing facility are allowable. The renovations must be minor interior alterations not to exceed \$10,000 (total per grant award).
- Eligible applicants must provide a cost breakdown in the Request Details section of the application. The costs must be justified in the Narrative Statement section as well.
- Remodeling/renovations may not change the footprint or profile of the building.
- Any request for modifications to facilities may require Environmental and Historic Preservation (EHP) review (see Section D: Application and Submission Information - Environmental Planning and Historic Preservation [EHP]). Recipients are encouraged to have completed as many steps as possible for a successful EHP Review in support of their proposal for funding (i.e., coordination with their State Historic Preservation Office to identify potential historic preservation issues and to discuss the potential for project effects; compliance with all state and EHP laws and requirements).
- Written approval must be provided by FEMA prior to the use of any SAFER Funds for remodeling or renovation. If awarded funds for remodeling or renovation, recipients may be required to submit evidence of approved zoning ordinances, architectural plans, any other locally required planning permits, and a notice of interest.

Explorer/Cadet Programs

Eligible items include but are not limited to:

- One set of station duty uniforms (SAFER considers one set of station duty uniform as one pair of pants, one shirt, one hat, and one pair of boots).
- Training (Non-Immediate Danger to Life and Health or IDLH)

Recruitment and Retention of Volunteer Firefighters Category – Eligible Costs

- One set of structural or wildland PPE (as defined above but not including an SCBA mask/face piece because PPE for explorers or cadets may not be used in an IDLH atmosphere)
- Insurance
- Coordinator's position
- Workers compensation insurance
- Transportation costs
- Medical exams

Recruitment and Retention Category – Ineligible Costs

- Salary and benefits for firefighters
- Costs incurred prior to an offer of award except for grant writer fees; see Appendix C: Award Administration Information - Grant Writer/Preparation Fees, Vehicles
- Fire suppression equipment or vehicles
- Fire simulators, fire evolution, or fire training props (e.g., burn trailers, forcible entry, rescue/smoke maze, flashover simulators),
- Sirens or other outdoor warning devices
- Communication equipment including cell phones, pagers, portable radios, or Computer-Aided Dispatch (CAD) systems
- Cash payments (including gift cards) or award programs for non-operational activities
- Payments for travel to or participation in leisure activities such as theatre tickets, entertainment tickets, and trips (e.g., professional sporting events)
- Costs associated with award banquets, such as food, refreshments, entertainment, or rental facilities. Reimbursement for actual awards (e.g., plaques and trophies) is eligible.
- Costs for food or refreshments
- Costs for training currently covered under the department's operating budget, e.g., tuition or instructor fees for department-mandated, basic-level training.
- Services at a member's personal residence (e.g., internet access, plowing of driveways)
- Furniture (except for newly converted bunkrooms), televisions, fixtures, appliances (e.g., refrigerators), and entertainment equipment
- "Giveaways," such as pencils, pens, t-shirts, cups, mugs, or balloons, for recruitment events
- Fees for courses and training that are available free of charge on the internet or at a state/local training facilities (e.g., NIMS 100, 700, 800)
- Costs for fuel
- Annual medical exams (not including NFPA 1582 physicals for new recruits)

Recruitment and Retention Category – Explorer/Cadet Ineligible Costs

- SCBA, including mask/face piece
- Anything involving the IDLH atmosphere
- Vehicles
- Warning lights for private vehicles
- Any activities precluded by the authority having jurisdiction
- Radios, cell phones, or pagers

Appendix C: Award Administration Information

Appendix C contains more detailed information on SAFER Award Administration. Reviewing this information may help grant recipients in the programmatic and financial administration of their award(s).

Help FEMA Prevent Fraud, Waste, and Abuse

If applicants or recipients have information about instances of fraud, waste, abuse, or mismanagement involving FEMA programs or operations, they should contact the DHS OIG Hotline at (800) 323-8603, by fax at (202) 254-4297, or email DHSOIGHOTLINE@dhs.gov

I. Grant Writer/Preparation Fees (Recruitment and Retention Category Only)

Applicants under the Recruitment and Retention of Volunteer Firefighters category are allowed to hire and reimburse a grant writer to assist in the application process.

Fees for grant writers may be included as a pre-award expenditure. Fees payable on a contingency basis are not an eligible expense. For grant writer fees to be eligible as a pre-award expenditure, the fees must be specifically identified and listed in the Request Details section of the application. FEMA will only consider reimbursements for application preparation, but not administration, up to but not more than \$1,500. Pursuant to 2 CFR Part 180, recipients may not use federal grant funds to reimburse any entity, including a grant writer or preparer, if that entity is presently suspended or debarred by the Federal Government from receiving funding under federally funded grants or contracts. Recipients must verify that the contractor is not suspended or debarred from participating in specified federal procurement or non-procurement transactions pursuant to 2 CFR § 180.300.

By submitting the application, applicants are certifying all of the information contained therein is true and an accurate reflection of the organization and, regardless of the applicant's intent, the submission of information that is false or misleading may result in actions by FEMA that include, but are not limited to, the submitted application not being considered for award, temporary withholding of funding under the existing award pending investigation, or referral to the Office of the Inspector General.

Prior to submission of the application, please review all work produced by grant writers or other third parties for accuracy. In addition, the fees must have been paid within 30 days of the end of the application period and prior to any contact with SAFER Program Office staff or an Offer of Award.

Applicants will be required to provide documentation to support these pre-award expenditures. A copy of the cancelled check and bank statement shall be provided upon request. Failure to provide the requested documentation may result in the grant writer fee being deemed ineligible and the grant reduced accordingly.

NOTE: FEMA requires that all grant writer or preparer information must be entered into the Overview section of the SAFER application, whether that person, entity, or agent is compensated or not.

II. Maintenance and Sustainment for SAFER Programs

The use of FEMA preparedness grant funds for the costs of repairs or replacement, as well as maintenance contracts, warranties, and user fees may be allowable.

The intent of eligible Maintenance and Sustainment activities is to provide direct support to the critical capabilities developed using FEMA and other DHS grants and support activities. Routine upkeep and the supplies, expendables, or one-time use items that support routine upkeep (e.g., gasoline, tire replacement, routine oil changes, monthly inspections, or grounds and facility maintenance) are the responsibility of the recipient and may not be funded with SAFER Funding.

Generally, when purchasing a maintenance agreement, service contract, or extended warranty for systems or equipment, the period of coverage provided under such a plan may not extend beyond the period of performance of the grant with which the agreement, warranty, or contract is purchased.

However, only if the maintenance contract or extended warranty is purchased incidental to the original purchase of the system or equipment, recipients may procure maintenance or warranty coverage that exceeds the period of performance, as explained in FEMA Policy 205-402-125-1, document available at http://www.fema.gov/media-library-data/20130726-1915-25045-9444/gpd_maintenance_policy.pdf

The duration of an extended warranty purchased incidental to the original purchase of the equipment may exceed the period performance as long as the coverage purchased is consistent with that which is typically provided for, or available through, these types of agreements, warranties⁶, or contracts. When purchasing a stand-alone warranty, or extending an existing maintenance contract on an already-owned piece of equipment or system, coverage purchased may not exceed the period of performance of the award used to purchase the maintenance agreement or warranty. As with warranties and maintenance agreements, this policy extends to licenses and user fees as well.

Even if purchased incidental to the original purchase of the equipment, the duration of an extended maintenance agreement or warranty must also be reasonable for the type of equipment or system being purchased. For example, if a vendor offers a 10-year extended warranty incidental to the purchase of a piece of equipment, but the useful life of that equipment being purchased is five years, the purchase of a 10-year extended warranty would not be a reasonable cost and may not be charged to the grant.

III. Taxes, Fees, Levies and Amendments

Taxes, fees, levies, or assessments that the recipient is legally required to pay and is directly related to any eligible SAFER Program acquisition activity may be charged to an SAFER Award pursuant to 2 C.F.R. § 200.470. These charges shall be identified and enumerated in the AFG application's Narrative and the Request Details section of the acquisition activity.

Any avoidable and unreasonable costs that result from the action or inaction of a recipient (or recipient's agent), or that prevent that recipient from enjoying any lawful exemption, waiver, or reduction of any tax, fee, levy, or assessment directly related to any eligible SAFER Program acquisition activity, are not chargeable to any SAFER Award.

Example: Governmental entities and Public Safety Agencies are exempt from some Federal Communications Commission (FCC) fees*, but only if the eligible organization submits an exemption or waiver request to the FCC.

*Government entities are not required to pay FCC regulatory fees. Non-profit entities (exempt under Section 501 of the Internal Revenue Code) also may be exempt. The FCC requires that any entity claiming exempt status submit, or have on file with the FCC a valid IRS Determination Letter

documenting its nonprofit status or certification from a governmental authority attesting to its exempt status. For more information, please visit <http://www.fcc.gov/>.

IV. Subscription, Access, Membership, Rental, Lease or User Fees

No subscription, access, membership, rental, lease, termination of services, or user fees, are chargeable to any SAFER Award.

V. Excess Funds

After completing the initial projects proposed in the recipient's application, some recipients may have unexpended funds remaining in their budget. These excess funds may result from any combination of under-budget acquisition activities or competitive procurement processes.

These cost shared excess funds may be utilized to enhance or continue the approved project(s). FEMA and AFGP expect excess funds to be obligated concurrent with an award's period of performance to address a known or critical need related to the awarded project(s).

VI. Procurement Integrity

Through audits conducted by the Department of Homeland Security's Office of Inspector General (OIG) and AFG Program Office grant monitoring, findings have shown that some SAFER recipients have not fully adhered to the proper procurement requirements when spending grant funds. Anything less than full compliance with federal procurement policies jeopardizes the integrity of the grant as well as the grant program. Below, we highlight the federal procurement requirements for SAFER recipients when procuring goods and services with federal grant funds. DHS will include a review of recipients' procurement practices as part of the normal monitoring activities. **All procurement activity must be conducted in accordance with Federal Procurement Standards at 2 C.F.R. § 200.317 – 200.326.** Select requirements under these standards are listed below. The recipient must comply with all requirements of these standards, even if they are not listed below.

With the exception of State governments, which must comply with the terms of 2 C.F.R. § 200.317, the non-federal entity must use its own documented procurement procedures which reflect applicable State, local, and tribal laws and regulations, provided that the procurements conform to applicable federal law and the standards identified in 2 C.F.R. Part 200. These standards include, but are not limited to providing for full and open competition consistent with the standards of 2 C.F.R. § 200.319.

Among the requirements of 2 C.F.R. § 200.319, in order to ensure objective contractor performance and eliminate unfair competitive advantage, contractors that develop or draft specifications, requirements, statements of work, or invitations for bids or requests for proposals must be excluded from competing for such procurements. Some of the situations considered to be restrictive of competition include but are not limited to:

- Placing unreasonable requirements on firms in order for them to qualify to do business;
- Requiring unnecessary experience and excessive bonding;
- Noncompetitive pricing practices between firms or between affiliated companies;
- Noncompetitive contracts to consultants that are on retainer contracts;
- Organizational conflicts of interest;

- Specifying only a “brand name” product instead of allowing “an equal” product to be offered and describing the performance or other relevant requirements of the procurement; and
- Any arbitrary action in the procurement process.

Generally, a recipient may seek to procure good or services from prequalified lists of persons, firms, or products which are used in acquiring goods and services, e.g., Government Services Administration (GSA) schedule, a State schedule, or co-operative or group purchasing, as having satisfied AFG Program requirements for competition. In order for such procurements by entities other than State governments to be permissible, the following must be true:

- The procurement of the original contract or purchasing schedule and its use by the recipient complies with state and local law, regulations, and written procurement procedures.
- The state or other entity that originally procured the original contract or purchasing schedule with the express purpose of making it available to the recipient and other similar types of entities, the contract or purchasing schedule specifically allows for such use, and the work to be performed for the local government falls within the scope of work under the contract as to type, amount, and geography.
- The procurement of the original contract or purchasing schedule complied with all of the procurement standards applicable to a local government at 2 C.F.R. §§ 200.318 to 326.
- With respect to the use of a purchasing schedule, the recipient must follow ordering procedures that adhere to state and local laws and regulations and the minimum requirements of full and open competition under 2 C.F.R. Part 200.

If a recipient other than a State government seeks to use such a prequalified list, purchasing schedule, or other similar type of arrangement, it must first contact the AFG Program Office.

To the greatest extent possible, the FEMA recommends that federal grant funds be used for the purchase of goods and services manufactured, assembled, and distributed in the United States.

Pursuant to 2 C.F.R. § 200.318(c)(1), the recipient (other than States) are required to maintain written standards of conduct covering conflicts of interest and governing the actions of its employees engaged in the selection, award, and administration of contracts. No employee, officer, or agent may participate in the selection, award, or administration of a contract supported by a federal award if he or she has a real or apparent conflict of interest. Such a conflict of interest would arise when the employee, officer or agent, any member of his or her immediate family, his or her partner, or an organization which employs or is about to employ any of the parties indicated herein has a financial or other interest in or a tangible personal benefit from a firm considered for a contract. The officers, employees, and agents of the non-federal entity may neither solicit nor accept gratuities, favors, or anything of monetary value from contractors or parties to subcontracts. However, non-federal entities may set standards for situations in which the financial interest is not substantial or the gift is an unsolicited item of nominal value. The standards of conduct must provide for disciplinary actions to be applied for violations of such standards by officers, employees, or agents of the non-federal entity.

If the recipient (other than States) has a parent, affiliate, or subsidiary organization that is not a state, local government, or Indian tribe, the non-federal entity must also maintain written standards of conduct covering organizational conflicts of interest. Organizational conflicts of interest means that because of relationships with a parent company, affiliate, or subsidiary organization, the non-federal entity is unable or appears to be unable to be impartial in conducting a procurement action involving a related organization.

The non-federal entity must disclose in writing any potential conflict of interest to the federal awarding agency or pass-through entity in accordance with applicable Federal Awarding agency policy.

NOTE: For the purposes of this conflicts of interest under procurements executed by the recipient, FEMA considers volunteers of an organization and grant writers to be employees, officers, and/or agents of the grantee. As such, no volunteer or member of an organization or anyone involved in preparing the application for funding can participate in, or benefit from, the procurement if federal funds are involved.

Recipients that purchase items with grant funds from vendors who employ any of their volunteers/members will have to document how they avoided a *Conflict of Interests* during the procurement process (i.e., specific details regarding how the members/volunteers removed themselves or how they were prevented from participating in the process). Recipients may be required to provide this documentation upon request. Recipients who fail to fully document their purchases may find their expenditures questioned and subsequently disallowed. FEMA reserves the right to request and review any and all bids/spec prior to purchase. Recipients may be subject to an audit after award.

Documentation

Recipients are required to maintain and retain the following:

- Backup documentation, such as bids and quotes
- Cost/price analyses on file for review by federal personnel
- Other documents required by 2 C.F.R. Part 200

FEMA generally recommends that the recipient maintain the following documentation for federally funded purchases:

- Specifications
- Solicitations
- Competitive quotes or proposals
- Basis for selection decisions
- Purchase orders
- Contracts
- Invoices
- Cancelled checks

Recipients who fail to fully document their purchases may find their expenditures questioned and subsequently disallowed.

Specifications

When drafting bid specifications, and prior to publicizing or publishing such bid specifications, a recipient should ensure the following:

- Bids and specifications are not proprietary to any one product or manufacturer
- In-state or local geographical preferences are not imposed in the evaluation of bids or proposals

VII. Payments and Amendments

Payments

SAFER Payment/Drawdown Requests are generated using the eGrants system.

SAFER Payment/Drawdown Requests from state, local, or tribal government entities will be governed by applicable federal regulations in effect at the time a grant is awarded to the recipient and may be either advances or reimbursements.

Recipients should not expend funds or request drawdowns until all special conditions listed on the grant award document have been met and request for payment in the eGrants system has been approved.

Recipients should draw down funds based upon immediate disbursement requirements; however, FEMA strongly encourages recipients to draw down funds as close to disbursement or expenditure as possible to avoid accruing interest.

Advances

Recipients shall be paid in advance, provided they maintain or demonstrate the willingness and ability to maintain procedures to minimize the time elapsing between the transfer of the funds and their disbursement by the recipient, and financial management systems that meet the standards for fund control and accountability as established in 2 C.F.R. Part 200.

Although advance drawdown requests are permissible, recipients remain subject to applicable federal law in effect at the time a grant is awarded to the recipient governing interest requirements, including the Uniform Administrative Requirements Cost Principles, and Audit Requirements for Federal Awards at 2 C.F.R. Part 200 and the Cash Management Improvement Act (CMIA) and its implementing regulations at 31 CFR Part 205. Interest under CMIA will accrue from the time federal funds are credited to a recipient's account until the time the recipient pays out the funds for program purposes.

Recipients must follow applicable federal regulations governing interest earned on payment advances in effect at the time a grant is awarded to the recipient, including § 200.305.

For the rate to use in calculating interest, please visit Treasury Current Value rate at:
<http://www.fms.treas.gov/cvfr/index.html>.

Reimbursement

Reimbursement of the recipient is the preferred method when the requirements to be paid in advance, per applicable federal regulations in effect at the time a grant is awarded to the recipient, cannot be met. In accordance with U.S. Department of Treasury regulations at 31 CFR Part 205, if applicable, the recipient shall maintain procedures to minimize the time elapsing between the transfer of funds and the disbursement of said funds.

Rebates

Recipients shall disburse program income, rebates, refunds, contract settlements, audit recoveries, and interest earned on such funds before requesting additional cash payments, in accordance with applicable federal regulations in effect at the time a grant is awarded to a recipient.

The reduction of federal financial participation via rebates/refunds may generate excess funds for the recipient, if the recipient had already obligated their Cost Share match based upon the original award figures.

If the recipient had already obligated their original Cost Share prior to the rebate, then the recipient may have minimum excess funds equal to the difference between the original Cost Share less the rebate adjusted Cost Share.

Payment Requests During Closeout

For 90 days after the expiration of the period of performance, during an award's closeout reconciliation, a recipient may only submit reimbursement payment requests.

Reimbursement payment requests shall only be for obligations that were obligated within the active period of performance of the award. The recipient's request should contain clear and specific information certifying that the liquidation of federal funds is reimbursement for an obligation properly incurred during the active period of performance; FEMA may request documentation supporting the reimbursement for review.

Amendments

SAFER Award amendments may be approved, on a case-by-case basis, for the following reasons:

- Extension of the period of performance in order to complete the scope of work
- Changes to the activity, mission, retroactive approval [pre-award], closeout issues, some excess funds requests, and requests for maintenance of expenditure waivers
- Cost over/under run (adding funds to award/non-closeout deobligation* of funds)
- Economic Hardship Waiver

Amendments will only be considered when submitted via the online eGrants system. These requests must contain specific and compelling justifications for the requested change.

The FEMA Grant Programs Directorate strongly encourages the timely expenditure of grant funds by recipients to be consistent with the goals and objectives outlined in AFG Programs.

*A recipient may deobligate (return) unused funds (those remaining funds drawn down via payment request and/or remaining award funding that was never requested) to DHS prior to the end of an award's Period of Performance. To exercise this option, a recipient must submit a cost over/under run Amendment via the eGrants system and state in their amendment that the unliquidated funds (funds to be returned) are not necessary for the fulfillment or success of the grant's obligations or mission. The recipient must also indicate that it understands that the returned funds will be deobligated and unavailable for any future award expenses.

Deobligation of funds will decrease the federal portion of the grant and the amount of the recipient's Cost Share obligation. FEMA will confirm deobligation amendments with all points of contact; after confirmation of the recipient's intent to deobligate, FEMA will hold the approved deobligation request for 14 calendar days as a period for recipient reconsideration before processing the deobligation request.

Period of Performance Amendments and Guidance:

Hiring of Firefighters Category

- The period of performance will be 24 months for all grants awarded under this category.
- A default 180-day recruitment period begins when an application is approved for award under this category.

- The 24 month period of performance automatically starts after the 180-day recruitment period, regardless of whether the grantee has successfully hired the requested firefighters.
- If a recipient is able to rehire or hire SAFER-funded firefighters during the 180-day recruitment period, the period of performance may begin at that time. For recipients awarded retention positions, the period of performance can begin immediately. However, in both cases, recipients must submit an amendment requesting that the period of performance start before the end of the 180-day recruitment period.
- Recipients can seek reimbursement for grant-related costs incurred during the recruitment period as long as these costs are in the approved budget and scope of work and an amendment is submitted to start the period of performance early.
- The period of performance cannot be started later than 180 days after the award date.

Recruitment and Retention of Volunteer Firefighters Category

- The period of performance will be between 12 and 48 months for all grants awarded under this category.
- A default 90-day recruitment period begins when the application is approved for award. This period allows each grantee time to gather resources, initiate processes, and to finalize contracts needed to implement SAFER Grant activities before the start of the period of performance in order to maximize the availability of the funding.
- If a recipient is able to begin their recruitment or retention activities during the 90-day recruitment period, the period of performance may begin at that time. However recipients must submit an amendment requesting that the period of performance start before the end of the 90-day recruitment period.
- Recipients can seek reimbursement for grant-related costs incurred during the recruitment period as long as these costs are in the approved budget and scope of work and an amendment is submitted to start the period of performance early.
- The period of performance cannot start later than 90 days after the recruitment period.

VIII. Grantee Responsibilities Post Award

SAFER Award Grant recipients must agree to the following:

Recipients must perform all tasks (scope of work) as outlined in the grantee's application approved by FEMA within the period of performance, comply with the terms of this NOFO, comply with all the terms and conditions of their grant award, including any special conditions in accordance with the articles of agreement, and comply with all applicable Federal statutory and regulatory requirements. Recipients that do not fulfill their obligations under their SAFER Grant will be considered in default and may be required to return the federal funds disbursed under the grant award.

Recipients under the Hiring of Firefighters category who lay off any operational personnel during the two- year period of performance will be considered in default of their grant and the award will be terminated. Recipients may be required to return the federal funds disbursed under the grant award. Recipients under the Hiring of Firefighters category must agree to maintain operational staffing at the level that existed at the time of award and must also retain all SAFER-funded positions throughout the grant's full two year period of performance unless the grantee has been afforded a waiver of this requirement. At the time of award, recipients under the Hiring of Firefighters category must submit a current (pre-SAFER) roster listing paid operational/firefighting personnel, in support of NFPA 1710 or NFPA 1720, who are in full-time or job share positions. The program office will work with a grantee to

establish the correct staffing maintenance number which combines the number of pre-SAFER and SAFER-funded operational positions. Once this is established, recipients must agree to maintain this number throughout the two year period of performance by taking active and timely steps to fill any vacancies.

Recipients who are unable (due to documentable economic hardship) to backfill non-SAFER operational positions that are vacated through attrition (e.g., resignation, retirement) after award may petition FEMA for a waiver of staffing maintenance requirements. An approved waiver allows a grantee to decrease and reestablish the staffing maintenance number agreed to at the time of award by the number of positions that a grantee is unable to fill. In order to qualify for this waiver, the economic hardship must affect the entire public safety sector in a grantee's jurisdiction, not only the fire department. Waivers will not be granted for SAFER-funded positions. Recipients who fail to maintain this level of staffing risk losing the federal funds awarded under this grant.

Since the goal of the SAFER Grant Program is to enhance incident scene safety, recipients must certify that the primary assignment (more than 50 percent of duties) of all SAFER-funded firefighters will be an operational assignment (fire suppression) regardless of collateral duties, which includes staffing a fire suppression vehicle.

Recipients must retain grant files and supporting documentation in a manner consistent with 2 C.F.R. § 200.333 – no less than for three years after submission of the closeout report (see below), and in some cases longer pursuant to 2 C.F.R. § 200.333. FEMA may require access to any pertinent books, documents, papers, or records belonging to a recipient. The DHS Office of Inspector General or the Comptroller General of the United States may also require access to a grantee's books and records. The required documentation for federally-funded purchases should include specifications, solicitations, competitive quotes or proposals, basis for selection decisions, purchase orders or contracts, invoices, and cancelled checks. Recipients who fail to document purchases may find their expenditures will be questioned and disallowed.

Recipients must provide periodic performance reports to FEMA. In all years of the grant's period of performance, for both the Hiring of Firefighters and the Recruitment and Retention of Volunteer Firefighters Categories, recipients must submit quarterly performance reports as well as a final performance report at grant closeout. Payments are requested online using the automated system and payments are based on actual expenses incurred during the period covered by the payment request. Quarterly performance reporting is required even if the grantee has not requested funding within the quarter.

At the end of the grant's period of performance, all recipients are required to produce a final report on how the grant funding was used and the benefits realized from the award. Recipients must submit a final financial report and a final performance report (e.g., closeout report) within 90 days after the end of the period of performance. After these reports have been reviewed and approved by FEMA, recipients are given an official notice that the closeout has been accepted and completed. Any remaining grant funds are de-obligated. The grantee is responsible for returning any funds that have been drawn down but remain unspent.

Notwithstanding any provision of other laws, firefighters hired under these grants shall not be discriminated against, or be prohibited from, engaging in volunteer firefighting activities in another jurisdiction during off-duty hours.

To the extent possible, recipients should seek, recruit, and appoint women and members of racial and ethnic minority groups within the applicant's department.

FEMA strongly encourages applicants, to the extent practicable, to seek, recruit, and hire military veterans to increase their ranks within their departments.

RESOLUTION # 2016-50

A RESOLUTION OF THE MAYOR AND COUNCIL OF THE CITY OF SURPRISE, ARIZONA, AUTHORIZING THE CITY TO APPLY FOR AND, IF AWARDED, ENTER INTO THE GRANT PROGRAM FY2015 FEMA ASSISTANCE TO FIREFIGHTERS STAFFING FOR ADEQUATE FIRE AND EMERGENCY RESPONSE WITH FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), WASHINGTON DC .

WHEREAS, the FEMA Assistance to Firefighters Grant (AFG) annually awards Staffing for Adequate Fire and Emergency Response (SAFER) grants to local agencies under the hiring of firefighters category for jurisdictions to assist in staffing and deployment capabilities to respond to emergencies and assure adequate protection from fire and fire-related hazards;

WHEREAS, the City of Surprise Fire-Medical Department desires to seek and accept grant funding in the amount of \$737,850 to hire five (5) firefighters for a two year period;

WHEREAS, accepting this grant will improve response time initiatives and ensure citizen and responder safety within the City of Surprise;

WHEREAS, if awarded the grant, the department will return to Council for a budget amendment to properly accept the funds; and

WHEREAS, the City of Surprise Administrative Policies requires the approval of the Mayor and Council prior to the application and acceptance of grant funds of this nature.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the City of Surprise, Arizona, as follows.

Section 1. The City of Surprise is authorized to apply for and, if awarded, accept a grant in the amount of \$737,850 from the FEMA Assistance to Firefighter's Grant program for the City of Surprise, acting through its Fire-Medical Department, to be able to improve the Fire-Medical Department's suppression response and thereby better ensure responder and citizen safety.

Section 2. The City Manager, Bob Wingenroth, or his designees, is hereby authorized to conduct all negotiations and to execute and submit all documents and other necessary or desirable instruments in connection with this grant application.

SIGNATURES ON FOLLOWING PAGE

APPROVED AND ADOPTED this ____ day of _____, 2016.

Sharon R. Wolcott, Mayor

Attest:

Approved as to form:

Sherry Aguilar, City Clerk

Robert Wingo, City Attorney



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

[Back](#) [Print](#)

Council Meeting Date:	April 5, 2016	Contact Person:	Tom Abbott, Fire Chief
Submitting Department:	Fire	District:	Citywide
Staff Recommendations:	None		

Consent	x	Regular	Public Hearing	Report/Discussion
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Agenda Wording:

Consideration and action approving a Governor's Office of Highway Safety (GOHS) grant application in the amount of \$20,000 to host a FY2017 DUI and Distracted Driving Mock Crash Drill in conjunction with the Dysart Unified School District (DUSD); Resolution # 2016-49.

Motion:

I move to approve Resolution # 2016-49.

Background:

The National Highway Traffic Safety Administration (NHTSA) funds grant projects under the Highway Safety Act. Federal funds are authorized under the Act to assist state and political subdivisions in conducting highway safety programs approved by the respective governor and the U. S. Secretary of Transportation. This grant is funded through the GOHS program. Grant funding is based on the federal fiscal year which begins on October 1, 2016 and ends on September 30, 2017. Grants are awarded with a one year performance period. The Surprise Fire-Medical Department (SFMD) has applied for this grant in previous years and in FY2015 received an award in the Emergency Medical Services program area. This grant is also being requested under the Emergency Medical Services program area.

Objective Analysis:

The purpose of the Mock Drill is to convey the importance of safe, distraction-free, sober driving. The grant will be administered in coordination with the DUSD in an effort to improve driver awareness among the student population in the DUSD and within the City of Surprise. A drill similar to this one has not been conducted since April 2013 due to the recession and funding constraints. This mock drill has the potential to reach an estimated 7,237 students and will prove invaluable in SFMD traffic safety initiatives.

Policy Compliant:

All policies and protocols on a local, state and national level will be adhered to.

Financial Impact:

If awarded, this one-time grant award of \$20,000 will cover all costs for supplies, services, and overtime to successfully coordinate the FY2017 DUI and Distracted Driving Mock Crash Drill. There is no city match requirement.

Budget Impact:

If awarded, grant funding in the amount of \$20,000 will be included as a part of the FY2017 budget.

FTE Impact:

This item does not have an impact on current staff levels.

ATTACHMENTS:

Click to download

- ☐ [FFY2017 GOHS Grant Program Guidance](#)
 - ☐ [SFMD Draft GOHS Application FFY2017](#)
 - ☐ [Resolution 2016-49](#)
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FEDERAL FISCAL YEAR 2017 GRANT PROPOSAL GUIDE

ARIZONA GOVERNOR'S OFFICE OF HIGHWAY SAFETY

DOUGLAS A. DUCEY

GOVERNOR
STATE OF ARIZONA

ALBERTO GUTIER

DIRECTOR AND
GOVERNOR'S HIGHWAY SAFETY REPRESENTATIVE



GOVERNOR'S OFFICE OF HIGHWAY SAFETY (GOHS)

PURPOSE AND AUTHORITY:

The procedures outlined in this manual are based upon the requirements of the Highway Safety Act of 1966 (United States Code, Title 23, Chapter 4, § 402, § 405c, § 405d, § 405f and subsequent amendments; Fixing America's Surface Transportation (FAST) Act; Moving Ahead for Progress in the 21st Century (MAP-21); Arizona Revised Statutes; the Arizona Vehicular Code; and Administrative Orders issued by the Federal Highway Administration (FHWA), the National Highway Traffic Safety Administration (NHTSA), and the Arizona Governor's Office of Highway Safety (GOHS).

NHTSA funds grant projects under the Highway Safety Act. Federal funds are authorized under the Act to assist state and political subdivisions in conducting highway safety programs approved by the respective governor and the U. S. Secretary of Transportation.

GOHS prepared this guide to provide guidance in conforming to the federal fiscal and technical requirements. All governmental and non-profit agencies are encouraged to take an active part in Arizona's Highway Safety Program. Please contact GOHS when you need information or assistance.

Any proposal submitted to GOHS and then funded from another source must notify GOHS in writing immediately. Failure to make this notification could result in supplanting, which is a direct violation of federal rules, or could adversely affect future funding opportunities.

FUNDING CRITERIA GUIDELINES:

Federal funds allocated to finance state and local government highway safety projects are intended to supplement, not be a substitute for, ongoing state or local program expenditures. Projects should be designed to eliminate a deficiency in an applicant agency's program or to expand an existing program. Agencies that are tax-based and non-profit agencies may apply to GOHS for federal grant funds.

Federal grants are funded in the form of reimbursable contract expenditures. GOHS reimburses funds on the basis of a written claim made by the applicant agency each time funds are expended.

GENERAL REQUIREMENTS:

All political subdivisions participating in federal grant processes must comply with the Single Audit Act of 1984 (P.L. 98-502). Mail a copy of the most recent independent audit of your agency to: Director Alberto Gutier, 1700 West Washington Street, Executive Tower, Suite 430, Phoenix, AZ 85007 or email independent audit to agutier@azgohs.gov.

Highway Safety Act funds cannot be used for the construction, design, or maintenance of highways or for highway construction research projects.

Highway Safety Act funds may be used for conducting inventories, need studies, engineering studies, systems development, program implementation, or for purchasing equipment. (Program implementation can include putting new programs into use and the training required for their use.)

Buy America Act

In accordance with the Buy America Act (49 U.S.C. 5323(j)):

Only steel, iron and manufactured products produced in the United States may be purchased with Federal funds unless the Secretary of Transportation determines that such domestic purchases would be inconsistent with the public interest, that such materials are not reasonably available and of a satisfactory quality, or that inclusion of domestic materials will increase the cost of the overall project contract by more than 25 percent. Clear justification for the purchase of non-domestic items must be in the form of a waiver request submitted to and approved by the Secretary of Transportation.

Effective July 30, 2015, the National Highway Traffic Safety Administration (NHTSA) published a Buy America Act public interest waiver. The waiver allows States to purchase any manufactured product with a purchase price of \$5,000.00 or less, excluding a motor vehicle when the purchased product is using Federal grant funds administered under Chapter 4 of Title 23 of the United States Code. (Reference Federal Register Vol. 80, No. 125, published June 30, 2015.)

GENERAL PROPOSAL INSTRUCTIONS:

Cover Letter

A cover letter to the attention of the Director of the Governor's Office of Highway Safety shall be submitted on agency letterhead and must be signed by the agency head authorized to commit your agency to conduct the grant should it be approved for funding. The cover letter should summarize the total number of proposals submitted, total dollar amount requested, and if submitting for multiple grant projects, prioritize the funding request.

How to Apply

Applying for a GOHS grant begins with submission of a proposal. The proposal is to be submitted only on-line to egrants.azgohs.gov with a separate cover letter prepared on your agency letterhead. The system is open. Proposals must be submitted by **March 31, 2016**. GOHS will not accept proposals that are faxed and/or mailed.

Proposal cover letters should be submitted to the following address:

**Director Alberto Gutier
Governor's Office of Highway Safety
1700 West Washington Street
Executive Tower, Suite 430
Phoenix, Arizona 85007**

FEDERAL FISCAL YEAR 2017:

GOHS grant funding is based on the federal fiscal year calendar which begins on October 1, 2016 and ends on September 30, 2017. Grants for the 2017 federal fiscal year are awarded for a one-year period.

If selected, GOHS staff will assist your agency to finalize the contractual grant agreement. Development of the agreement will begin at GOHS in the month of April 2016; however, **grants are not considered approved until signed by the GOHS Director**. Therefore, it is incumbent upon the agency to be prepared to initiate the grant timelines by an October 1, 2016 start date.

Upon written notification from GOHS that your proposed grant agreement has been selected, it is imperative that your agency Project Administrator research the procurement processes for obtaining grant funded items (equipment bids, etc.) in order to complete the project in a timely fashion. However, **do not incur any costs prior to the contract execution**.

If you have any questions when preparing your proposal, please contact a Project Coordinator at the GOHS for assistance: (602) 255-3216.

If your City Council or Board of Supervisors is not scheduled to meet before your proposal is submitted, include the date of their next meeting in your scanned cover letter and forward the resolution to GOHS as soon as it is signed and certified. Failure to do this can invalidate your proposal.

Include your governing board's requirements, i.e. some require a resolution to submit the proposal and then another one to accept the contract. Others simply have a monetary limit. Sample resolution and certification are located on pages 23 & 24 of this document.

PROPOSAL REVIEW:

Proposals will be reviewed by GOHS staff to determine:

- Past performance of the agency (performance in submitting stats and fiscal compliance, past grant awards, etc...)
- If the crash and activity data covering the three preceding years indicates a significant problem
- If the proposed goals and objectives address the problem
- If the agency intends to continue the program following the termination of federal funding support.

“Grants for Performance”

GOHS Funded Programs Descriptions:

Accident Investigation (AI)

Accident Investigation area grants provide funding to improve the overall ability of the Vehicular Crime Units (VCU) detectives to investigate fatality and serious injury collisions. Funding supports the purchase of Capital Outlay to provide the agencies with the most technically advanced accident measuring equipment and documentation systems to reconstruct collisions for causation for subsequent criminal prosecution. Additionally, funding provides both in-state and out-of-state training for VCU personnel to receive the most current training and trends in the field of collision reconstruction.

Impaired Driving (AL)

Impaired Driving Program area grants strive to remove alcohol and other drug impaired drivers from the road through highly effective enforcement and public education programs, traffic adjudication, and licensing systems. Law enforcement agency grants additionally provide funding for DUI saturation patrol enforcement throughout the year and multi-agency task forces during specific holiday periods such as Independence Day, Labor Day, St Patrick's Day, Halloween and Christmas Holiday season and on other days with high numbers of alcohol-related collisions (such as Super Bowl Weekend, Cinco de Mayo, Back to School). Enforcement efforts are conducted through combined agency efforts to cover all enforcement jurisdictions. These programs provide a highly visible and united DUI message to the community during these periods.

Emergency Medical Services (EMS)

Victims of motor vehicle collisions must be assured of receiving life-saving emergency medical service no matter where or when the collision occurs. To meet the challenge, GOHS funds cost effective programs that incorporate effective strategies for improving Arizona EMS system's ability to meet the needs of collision victims.

GOHS provides funding for: rescue equipment, medical equipment and supplies, training, data collection and reporting systems, injury prevention programs, communications equipment, and program evaluation.

Occupant Protection (OP)

Occupant Protection grants provide highly effective programs which reduce traffic fatalities and injuries by increasing the usage of seat belts and child safety seats. These grants provide traffic safety education, low-cost child safety seats, bilingual educational programs and materials, and overtime funds to conduct child safety seat checkups and enforcement. A strong commitment requires help from the entire community including public agencies and the private sector to increase seat belt and child safety seat compliance and correct usage.

Pedestrian and Bicycle Safety (PS)

GOHS grantees conduct traffic safety programs including bicycle rodeos for elementary, middle and high schools, and community groups in an effort to increase awareness among various age groups. To boost compliance with the law and decrease injuries, safety bicycle helmets are properly fitted and distributed to children in need. Other programs target high-risk populations and areas with multicultural public education addressing safer driving, biking and walking behaviors.

A bicycle and pedestrian community program should be designed to increase safety awareness and skills among pedestrians and bicyclists and should also address driver behaviors. Two types of programs are described below. A comprehensive program should include both elements: 1) education and 2) enforcement.

Police Traffic Services/Speed Control (PT)

The Police Traffic Safety/Speed Control program focuses on enforcing and encouraging compliance with seat belt use, speed limit, aggressive/reckless driving and other traffic laws. The grants are highly effective in reducing traffic collisions through selective enforcement and education.

Grants may include Personnel Services (overtime) and Employee Related Expenses (ERE) to conduct enhanced enforcement directed toward described documented problem. Additional funding may support the purchase of Capital Outlay to be implemented to resolve the described problem.

Examples of funded equipment include: motorcycles, radar and laser speed measuring devices, visible speed display radar trailers, and computers.

Roadway Safety/Traffic Records (RS, TR)

GOHS Roadway Safety grants do not include highway design, maintenance or construction. Rather, it is a program intended to effect improvements in the roadway environment by enabling traffic engineers and others with traffic engineering responsibilities to identify and recommend solutions to traffic hazards attributable to the roadway and its appurtenances. An engineering solution represents a long-term improvement that should reduce not only the incidence of serious collisions, but also the need for close monitoring by law enforcement.

Roadway Safety grants may include the procurement and use of computer software to identify critical collision locations. When performed in conjunction with a Traffic Records program, a Roadway Safety grant may provide a grantee agency with a broad based, comprehensive Geographical Information System (GIS) or other similar automated system. The developed system must address the bulleted agendas (above) with the enhancement of graphics, data storage, and retrieval of collision and law enforcement activities.

Motorcycle Safety (MS)

The Motorcycle Safety program focuses on the reduction of motorcycle fatalities and serious injury collisions through enforcement, public awareness and education. Activities include but are not limited to impaired motorcycle operation, speeding, aggressive/reckless driving and other traffic laws. The grants are highly effective in reducing traffic collisions through selective enforcement and education.

Grants may include Personnel Services (overtime) and Employee Related Expenses to conduct enhanced enforcement directed toward described documented problem. Additional funding may support the purchase of Capital Outlay, Professional & Outside Services, and Materials/Supplies to be implemented to resolve the described problem.

Proposal Development:

Background

Provide general characteristics describing the applicant agency as well as information on population, demographics, topography, and climate. Additionally describe streets and highways listing of all roadway mileage within the agency's jurisdiction (if applicable to the project for which funds are being sought).

Problem Statement

Provide detailed information referencing the specific traffic safety related problem or deficiency that the proposed grant is intended to correct. Identify and gather appropriate supporting information and data relevant to the problem. When identifying the problem, take into consideration changes or granted changes in population, traffic patterns, and other demographic dynamics that may affect traffic safety.

Traffic Data Summary – Law Enforcement (If Applicable)

In addition to some data gathered by GOHS, the data provided in the proposal will be used to evaluate your proposal against those submitted from other agencies. If selected, updated preliminary 2014 data will be required as the baseline measurement for the program goals and objectives.

The Traffic Data Summary - Law Enforcement Report provides statistics to evaluate the need and potential effectiveness of the proposed project. Collection of correlated data is appropriate to identifying problems within communities. Three years of traffic data summary must be completed and attached to your proposal. New data categories have been added to the current statistical form which will allow GOHS to conduct a more in depth, comprehensive analysis of grant proposals.

Traffic Data Summary – Fire District (If Applicable)

For regional EMS proposals, the problem statement must include the number of traffic collision responses, extrications, age of equipment, response times, and size of response areas for each jurisdiction/station that will receive equipment.

For non-profit organizations, no Traffic Data Summary is required

If your department does not have accurate data concerning traffic-related crashes, please contact the Arizona Department of Transportation, Motor Vehicle Division (Traffic Records Section 602-712-7011), adjudicating court/prosecutors office, and own respective agency traffic records section.

For Law Enforcement Agencies ONLY
TRAFFIC DATA SUMMARY - LAW ENFORCEMENT REPORT
(Submitted to GOHS)

Reporting Period

Description	(If Available) 2015	2014	2013
Sober Designated Drivers Contacted			
TOTAL DUI ARRESTS			
Aggravated DUI Arrests			
Misdemeanor DUI Arrests			
Extreme DUI Arrests (.15+)			
DUI – Drug Arrests			
DRE Evaluations			
Under 21 DUI Arrests			
Minor Consumption / Possession Arrests			
TOTAL AGENCY CITATIONS			
Criminal Speed Citations			
Aggressive Driving Citations			
Civil Speed Citations			
Other Citations (Except Speed)			
Child Restraint Citations			
Seatbelt Citations			

For Emergency Medical Agencies ONLY
TRAFFIC DATA SUMMARY – FIRE DISTRICT REPORT
(Submitted to GOHS)

Reporting Period

Description	(If Available) 2015	2014	2013
Traffic Calls for Service			
Injuries			
Fatalities			
Crash to Hospital Arrival Times			

Attempts to Solve Problem:

Describe in detail your agency's past efforts to resolve the problem, if any, and include reasons the efforts have been unsuccessful. Outline the reasons the goals and objectives of the on-going or past projects haven't been met or need to be modified.

Performance Measures:

Grant goals and objectives should be stated in measurable terms, be concise and deal with a specific item, be realistic with a reasonable probability of achievement, and be related to a specific time frame (a "by" date). Establishing the "by date" assists in developing the full grant agreement upon acceptance of the proposal. These dates establish the full grant timeline.

Goals and objectives related to statistical data should be based upon completion date of December 31, 2016. Goals and objectives related to completion of activities to address goals and objectives should have a completion date of September 30, 2017.

Goals and objectives serve as the foundation upon which the grant is built. Goal(s) are what you hope to accomplish by implementing a traffic safety grant and represent an end result.

Examples of goal and objectives statements are the following:

- To reduce the number of persons killed in alcohol-involved collisions **3%** from **219** to **213** by December 31, 2016.
- To reduce the number of persons injured in alcohol-involved collisions **3%** from **219** to **213** by December 31, 2016.
- To participate in **1** DUI Task Force detail per quarter by September 30, 2017.

- To participate in **2** speed enforcement details per quarter by September 30, 2017.
- To increase total department-wide DUI arrests by **3%** from **549 to 566** by December 31, 2016.
- To conduct educational presentations in **2** schools by September 30, 2017.
- To conduct **2** child safety seat events throughout the community by September 30, 2017.
- To conduct **1** bicycle rodeo event with one-on-one education by September 30, 2017.

*Performance measures outlined in subsequent contracts if awarded are recommendations by GOHS staff to provide agencies with direction in achieving their goals and objectives.

*Although these are performance examples, each agency should provide goals specific to their community.

Detailed Budget Estimate:

When preparing the Detailed Budget Summary, care should be taken in estimating costs. Grant costs must be reasonable and proportional to the stated problem. See on-line attachments for Budget Summary. Agency should research costs associated with proposed projects to assure accurate funding.

Personnel Services:

This category is for overtime salaries. It is the policy of GOHS not to fund full-time or part time positions unless approved by the agency director.

Employee Related Expenses:

This category is for the benefits received, i.e. FICA (social security), Medicare, unemployment insurance, workers compensation, and pension. Typically this percentage is less for overtime than it is for straight time. The GOHS reserves the right to limit reimbursement of Employee Related Expenses from zero (0) to a **maximum rate of 40 percent**.

All proposals shall include the applying agency current percentage (%) for employee related expenses. Employee Related Expenses does not apply to health and dental insurance as the contributions are allocated out of a normally funded budgeted position.

Professional and Outside Services:

This category is reserved for contracted outside services. Examples of outside services include refurbishment of vehicles, public service announcements, brochures, production of signs and other public awareness and educational materials.

Travel In-State:

This category is for attending highway safety-related workshops, conferences, and/or training. Include a breakdown of registration fees (if applicable), lodging and per diem. Mileage will be reimbursed only for personal vehicles. Brochures providing conference/training information outlining content and costs must be included with proposal.

Conference registration, lodging, and State of Arizona per diem rates will be reimbursed to the agency in accordance with ARS §38-624.

Travel Out-of-State:

This category is for attending highway safety-related workshops, conferences, and/or training outside the State of Arizona. Include breakdown of registration fees (if applicable), lodging, per diem, airfare, ground transportation, (rental cars only if it can be demonstrated that this is the most economical mode of ground transportation). Except as separately approved by NHTSA, costs for international travel are not allowable. Brochures providing conference/training information outlining content and costs must be included with proposal.

Conference registration, round-trip airfare, ground transportation (excluding a rental vehicle unless it can be documented that the costs are equal to or less than utilizing a taxi, shuttle, hotel transportation), lodging, and State of Arizona per diem rates will be reimbursed to the agency in accordance with ARS §38-624.

Materials and Supplies:

This category is for items that support capital outlay equipment such as PBT mouthpieces, blood kits, DRE supplies, breath testing instrument gas canisters etc. Additional items purchased under this section would include public information and educational materials to support a traffic safety program such as informational brochures and items for distribution (pencils, key chains, etc.).

Capital Outlay:

This category is for equipment that has a life of at least three years. This includes, but is not limited to, marked and unmarked enforcement vehicles, police motorcycles speed detection devices, in-car video systems, preliminary breath testing devices, marked enforcement motorcycles, radar trailers, child safety seats and collision extrication equipment.

Obtain appropriate estimates from vendors, and include tax, delivery, shipping, and set-up costs. Attempt to anticipate increases in costs that may occur between the time the grant is proposed and the grant start date. It is strongly recommended that you request assistance from your financial office to estimate accurate program costs. An inaccurate budget estimate could result in insufficient grant funds.

Photographs and estimated cost sheets must be provided as attachments for subsequent review by GOHS staff.

Important Contract Exclusions:

Supplanting is replacing routine and/or existing State or local expenditures with the use of federal grant funds and/or using Federal grant funds for costs of activities that constitute general expenses required to carry out the overall responsibilities of State, local or Federally-recognized Indian tribal government is prohibited.

Alcoholic beverages for any consumption purposes, including controlled settings for the training of law enforcement officers in techniques for determining driver impairment are not allowable.

Entertainment cost, including amusement and social activities and any costs directly associated with such costs (such as tickets to shows or sports events, meals, lodging, rentals, transportation, and gratuities) are not allowable.

ESTIMATED COSTS:

I.	Personnel Services (Overtime) <i>"Provide Explanation"</i>	\$0.00
II.	Employee Related Expenses (ERE) <i>"Provide ETE Percentage"</i>	\$0.00
III.	Professional and Outside Services <i>"Provide Explanation"</i>	\$0.00
IV.	Travel In-State <i>"Provide Travel Explanation"</i>	\$0.00
V.	Travel Out-of-State <i>"Provide Travel Explanation"</i>	\$0.00
VI.	Materials and Supplies <i>"Provide Materials Explanation"</i>	\$0.00
VII.	Capital Outlay <i>"List Equipment and Cost"</i>	\$0.00
	<u>TOTAL ESTIMATED COSTS</u>	\$0.00

Budget Narrative:

This schedule is a detailed narrative explanation and justification of individual expenditures outlined in the Budget Summary Page. The Budget Narrative should be complete, covering all cost categories and individual line-items reflected in the Budget Summary. Provide specific details on how the granted funding will be implemented related to the previously outlined request.

The GOHS reserves the right to limit reimbursement of Employee Related Expenses (ERE) from zero (0) to a maximum rate of 40 percent. This is the maximum ERE amount to be reimbursed. It is agreed and understood that the grantee shall absorb any and all expenditures in excess of total amount awarded.

SPECIFIC REQUIREMENTS:

Grantees should review the Arizona State Procurement Office (SPO) for items on state contract or listed on the Western States Contracting Alliance (WSCA). For more information follow this link to Procure AZ: <https://procure.az.gov/bsol/> or to WSCA: <http://www.aboutwsca.org/content.cfm>.

Remember the “BUY AMERICA” NHTSA requirements.

SPEED DETECTION EQUIPMENT:

Requirements for Speed Detection Devices

The grantee will be responsible for providing all personnel the appropriate training for using the speed detection devices purchased under this contract implementing a NHTSA approved training course.

The grantee will maintain written documentation (copy of the training certificates) which will be available for review by GOHS.

Some models are on State contract or WSCA.

Requirements for Speed Monitoring Trailer Systems

Speed monitoring trailers are portable, self-contained speed display units. This equipment may be used for enforcement, public information, education and data collection. The grantee will maintain a written policy covering usage of the Speed Trailer System, which will be available upon request for review by GOHS.

VIDEO EQUIPMENT:

Requirements for In-Car Video Systems

The grantee will be responsible for providing all personnel the appropriate training for using the In-Car Video System purchased under this contract.

The grantee will maintain written documentation (copy of the training certificates) which will be available upon request for review by GOHS.

The grantee will maintain a written policy covering training and usage regarding an In-Car Video System which will be available upon request for review by GOHS.

Some models are on State contract or WSCA.

BREATH TESTING DEVICES:

Requirements for Portable Breath Test Devices (PBTs)

The grantee will be responsible for providing all personnel the appropriate training for using the Portable Breath Test Devices (PBTs) purchased under this contract.

PBTs will be calibrated per the specifications outlined by the respective manufacturer. Written documentation will be maintained by the agency and will be available upon request for review by GOHS.

Some models are on State contract or WSCA. \$500 is the maximum allotted funding amount per portable breath test device.

Requirements for Intoxilyzers (Evidentiary Breath Testing Instruments)

The successful vendor must certify that the devices purchased are on the NHTSA Conforming Products List and must meet, or exceed, NHTSA model specifications. In addition, the devices must be certified and approved by the Arizona Department of Public Safety per Arizona Administrative Code R9-14-403.

The grantee will be responsible for providing all personnel the appropriate training for using the Intoxilyzers purchased under this contract implementing a NHTSA approved training course.

The grantee will maintain written documentation (copy of the training certificates) which will be available upon request for review by GOHS.

Intoxilyzers will be operated, calibrated under the standard quality assurance procedures per the appropriate outlined procedures listed in the Arizona Administrative Code.

POLICE PACKAGE VEHICLES:

Requirements for Police Package Vehicle (Marked and Unmarked)

Equipment included with the vehicle, at a minimum, is emergency equipment (lights and siren), police radio system, and may include a speed detection device and an in-car video system. The make, model, and color of this vehicle may or may not be that which is associated with traditional enforcement vehicles.

A sample of vehicle markings and decals are required to be provided to the GOHS Director for review and written approval prior to placement on vehicle. \$47,000 is the maximum allotted funding amount per vehicle.

Requirements for Police Package Motorcycle

Equipment included with the motorcycle, at a minimum, is emergency equipment (lights and siren), police radio system, and helmet with microphone, and may include a speed detection device.

A sample of motorcycle markings and decals are required to be provided to the GOHS Director for review and written approval prior to placement on motorcycle. \$27,000 is the maximum allotted funding amount per motorcycle.

OTHER CONTRACT SPECIFICS:

Requirement for Child Safety Seats

The equipment purchased under this contract shall be ordered, received, training completed, and placed in service prior to the end of the project period. Child Safety Seats will only be distributed by certified Child Passenger Safety Technicians along with appropriate installation instruction and education. \$50 is the maximum allotted funding amount per child safety seat.

Requirements for Professional and Outside Services

A copy of all contracts for "Professional and Outside Services" will be required to be submitted to the GOHS Director for written approval before execution.

Requirements for Public Information and Education Materials

Prior to the printing and distribution of public information, education materials, and news releases, a sample will be required to be provided to the GOHS Director for review and written approval.

Requirements for Paid Media

All paid media must be pre-approved by the GOHS Director to ensure that consistent messages are sent statewide. Requests for paid media must include, *at a minimum*, scripts, description of target audience (to include methodology for identifying target audience), type of media to be utilized (electronic, print), campaign schedule, and budget. Additional information may be requested on a case by case basis.

Prior to the printing and distribution of public information, education materials, and news releases, a sample will be provided to the GOHS Director for review and written approval. If this is not done, costs relating to the printing and distribution of the materials may not be reimbursed.

EQUIPMENT:

Requirements for Equipment

The grantee shall include a high quality color photograph of all equipment purchased under this contract. The grantee shall complete the attached Capital Outlay Equipment form for all individual equipment purchases of \$5,000.00 or more. The form is to be attached and submitted with the next quarterly report subsequent to the delivery of the equipment.

METHOD OF PROCUREMENT:

The application of USDOT "Common Rule" and Circular A-102 requires that:

Grantees and sub grantees will use their own procurement procedures which reflect applicable state and local laws and regulations, provided that the procurement procedures conform to applicable federal laws and standards. The most stringent purchasing requirement at each level must be met. If the Agency does not have a procurement process, the Agency may use the State Procurement process.

A clear audit trail must be established to determine costs charged against this contract. Substantiation of costs shall, where possible, be made utilizing the grantee documentation consisting of, but not limited to, copies of time sheets, purchase orders, copies of invoices, and proof of payment.

The Project Director shall retain copies of all documentation in the project file.

LIMITATIONS AND CONDITIONS:

1. Facilities

- a. Costs for land are not allowable.
- b. Costs for construction or reconstruction of permanent facilities, such as paving, driving ranges, towers, and portable and non-portable skid pads are not allowable.
- c. Costs for construction, rehabilitation, or remodeling for any buildings or structures or for purchase of office furnishings and fixtures are not allowable.

Examples of office furnishings and fixtures

Desk	Credenza	Storage Cabinet
Chair	Bookcase	Portable Partition
Table	Filing Cabinet	Picture, Wall Clock
Shelving	Floor Covering	Draperies & Hardware
Coat Rack	Office Planter	Fixed Lighting/Lamp

- d. Costs for highway safety appurtenances including longitudinal barriers (such as guardrails), sign supports (except as allowed under the NHTSA Highway Safety Grant Funding Guidance Allowable Costs with Conditions for selected Items, Part II.A.2), luminaire supports, and utility poles are not allowable. (FHWA safety construction Federal-aid funds are available.)

2. Personnel

It is the policy of GOHS to not fund positions. The only Personnel Services and Employee Related Expenses that will be funded are for overtime and special detail funding.

3. Equipment

Costs for major multi-purpose equipment will be factored based on utilization for highway safety purposes.

- a. Costs for safety belts and air bags/automatic restraints are not allowable.
- b. Costs for child restraint devices are allowable if they comply with NHTSA performance standard FMVSS #213. An educational component **must** be included in your proposal.

The individual administering this program **must** have a certified national child safety seat technician available to the agency prior to distributing any child safety seats. You may contact GOHS or refer to the National Safe Kids website for scheduled training. The cost of this training may be included in your proposal and will be evaluated upon financial need.

It is GOHS policy to provide funding to agencies so they may order their own respective child restraint systems in bulk and have them drop-shipped to approved agencies.

- c. Costs for police officer uniforms, weapons, handguns, shotguns, mace, batons, riot helmets, bulletproof vests, motor boots, and ammunition are not allowable.
- d. Costs for fixed and portable truck scales, including costs associated with transportation and use, are not allowable.
- e. Costs for mainframe computers are not allowable.
- f. Costs for commercial lease or purchase of motorcycles are not allowable; however, police package solo motorcycles and helmets with microphones are allowable costs.
- g. Costs for traffic signal preemption systems are not allowable. (FHWA Federal-aid highway program funds are available.)
- h. It is the policy of the GOHS not to fund indirect costs.

4. Training

- a. Costs for training are allowable using curriculum developed or endorsed by USDOT/NHTSA/GOHS or their equivalent.

It is the policy of GOHS to reimburse the **lowest registration fee** offered, i.e. early registration versus late or on-site registration.

- b. Development costs for new training curriculum and materials are allowable if they will not duplicate materials for similar purposes by USDOT/NHTSA or by other states. This does not preclude modifications of present materials necessary to meet state and local instructional needs.
- c. Costs to pay for an employee's salary while pursuing training or to pay the salary of the employee's replacement, except where the employee's salary is supported by federal funds under an approved project, are not allowable.
- d. Training costs for helicopter pilots, fixed wing pilots, and observers are not allowable.
- e. The cost to pay for an individual's salary while pursuing training or to pay the salary of the individual's replacement, except when the individual's salary is already supported with highway safety funds under an approved project, are not allowable.
- f. Costs of training employees of Federal and military agencies are not allowable.

All training for FY 2017 needs to be completed prior to September 30, 2017. Training occurring after that date will not be reimbursable utilizing FY 2017 funds.

5. Subcontractors

All contracts between a sub grantee agency and subcontractor(s) must be reviewed by the GOHS Director and approved in writing prior to execution. If this is not completed, costs relating to the subcontractor may not be reimbursed.

Requirements for Emergency Medical Services:

The following information is to provide further clarification for agencies applying to GOHS for federal grant funds under the EMS highway safety program area specifically.

1. **Eligibility:** Agencies that are tax-based and non-profit agencies may apply to GOHS for federal grant funds.
2. **Relation to Highway Safety:** GOHS reviews grant proposals based on how the request applies to "highway safety." When submitting a request for equipment or training, explain why the equipment is needed and how the requested items relate directly to highway safety and will contribute to the reduction of crashes, fatalities and injuries.
3. **Statistics:** Provide information on the number of highway miles the agency responds to, where the agency is located and the other agencies nearby that also respond to the same area. Provide statistics for the previous three (3) years of the number of crashes responded to, the number of resulting injuries, fatalities and average response time. Statistics will be reported to GOHS during the contract period if grant funds are awarded.
4. **Equipment:** Costs for major multi-purpose equipment will be factored based on utilization for highway safety purposes. It is a NHTSA rule that any emergency medical services (EMS) equipment will not exceed 25% of the purchase price. The purchase price for equipment directly related to highway safety (i.e., extrication tools, airbag lifting set, etc.) is fundable at 100%.

"SAMPLE" RESOLUTION and CERTIFICATION

(Note: When preparing your agency's Resolution, please enter the one appropriate choice from within each set of brackets or other appropriate information for that section if choice is not listed.)

RESOLUTION

Resolution Number: _____

A RESOLUTION OF THE [COUNCIL, BOARD] OF THE [CITY, TOWN, COUNTY] OF _____, ARIZONA, PERTAINING TO THE SUBMISSION OF PROJECTS FOR CONSIDERATION IN ARIZONA'S 2017 (requested fiscal year) HIGHWAY SAFETY PLAN:

WHEREAS, the Governor's Office of Highway Safety is seeking proposals from state and local agencies for projects relating to all aspects of highway safety; and

WHEREAS, the [City, Town, County] of _____, through the [Police/Fire Department, Sheriff's Office], is interested in submitting projects to be considered for funding in the form of reimbursable grants from the National Highway Traffic Safety Administration;

NOW, THEREFORE, BE IT RESOLVED by the [Council, Board] of the [City, Town, County] of _____, Arizona as follows:

1. THAT approval of the submission of projects for consideration in Arizona's *20____ (requested fiscal year)+ Highway Safety Plan is granted.

2. THAT _____, [Chief of Police, Fire Chief, Sheriff] is appointed agent for the [City, Town, County] of _____, to conduct all negotiations and to execute and submit all documents and any other necessary or desirable instruments in connection with such grant.

PASSED AND ADOPTED by the [Council, Board] of the [City, Town, County] of _____, Arizona, this _____ day of _____, 20____.

ATTEST:

[CITY, TOWN, COUNTY] CLERK

[MAYOR, BOARD OF SUPERVISOR]

Print Name and Telephone Number

Print Name and Telephone Number

CERTIFICATION

I HEREBY CERTIFY that the foregoing Resolution Number _____ was duly passed and adopted by the [Council, Board] of the [City, Town, County] of _____, Arizona, at a regular meeting held on the ____ day of _____, 20____, and that a quorum was present at the meeting.

[CITY, TOWN, COUNTY] CLERK

APPROVED AS TO FORM:

Governor's Office of Highway Safety (GOHS) Staff

Name	Position	Phone Number	E-Mail Address
Alberto Gutier	Agency Director and Governor's Highway Safety Representative	602-255-3216	agutier@azgohs.gov
Mari Hembeck	Assistant Director of Administration and Operations	602-255-3201	mhembeck@azgohs.gov
Megan Darian	Comptroller	602-255-3203	mdarian@azgohs.gov
Renee Bracamonte	Grant Manager	602-255-3204	rbracamonte@azgohs.gov
Jenise Moreno	Special Projects	602-255-3206	jmoreno@azgohs.gov
Joshua Worley	Senior Grant Project Coordinator and Statistical Data	602-255-3202	jworley@azgohs.gov
Terri Fornefeld	Grant Project and IT Coordinator	602-255-3213	tfornefeld@azgohs.gov
Shane Radford	Grant Project and DUI AC Coordinator	602-255-3208	sradford@azgohs.gov
Gabby Gallegos	Grant Project and Occupant Protection Coordinator	602-255-3211	ggallegos@azgohs.gov
Kristi Noneman	Administrative Assistant	602-255-3216	knoneman@azgohs.gov
Pam Cobb	Fiscal Specialist	602-255-3210	pcobb@azgohs.gov

FFY 2017 PROPOSAL TEMPLATE

Please use the following template to create your FFY 2017 Proposal. This is a Word document you can save to your PC. It follows the format in the eGrants Proposal application.

Cover Page

2017 Surprise Fire-Medical Department Drunk/Distracted Driving Mock Drill

DRAFT

Contact Information

AGENCY NAME

Surprise Fire-Medical Department
14250 W Statler Plaza, Suite 101
Surprise
Maricopa
623-222-5000
623-555-5001
<http://www.surpriseaz.gov/8/Fire-Medical-Department>

PROJECT DIRECTOR

Chief Tom Abbott
623-222-5020
Tom.Abbott@surpriseaz.gov

PROJECT ADMINISTATOR

Kimberly Drabik
623-222-5030
Kimberly.Drabik@surpriseaz.gov

FISCAL/FINANCIAL CONTACT

Kimberly Drabik
623-222-5030
Kimberly.Drabik@surpriseaz.gov

Proposal Summary

Program Area: *Emergency Medical Services (EMS)*

Program Description: *Victims of motor vehicle collisions must be assured of receiving life-saving emergency medical service no matter where or when the collision occurs. To meet the challenge, GOHS funds cost effective programs that incorporate effective strategies for improving Arizona EMS system's ability to meet the needs of collision victims.*

GOHS provides funding for: rescue equipment, medical equipment and supplies, training, data collection and reporting systems, injury prevention programs, communications equipment, and program evaluation.

Summary of Funding:

This proposal outlines a request for \$20,000 in grant assistance to support the "2017 Surprise Fire-Medical Drunk/Distracted Driving Mock Drill" ('the Drill') to be executed in front of an audience of high school students. The Drill would be orchestrated by Surprise Fire-Medical Department ('SFMD') personnel and selected students from the host high school (one of the four within the Dysart Unified School District ('DUSD')). The purpose of the Drill is to convey the importance of safe, distraction-free, sober driving.

The Drill will be strategically planned to take place in the spring of 2017 to heighten awareness during prom and graduation season. Drunk and Distracted Driving banners will be strategically placed at each fire station and high school within the DUSD to further promote SFMD's message. The banners will be reusable in future years and will have the AZ GOHS logo on them (design to be approved by AZ GOHS). The Drill will be staged on the football field of the host high school and videotaped by City of Surprise personnel. The video will be edited, produced and the final product distributed via SFMD's social media sites for further outreach. Copies of the video production will be distributed to the three non-host high schools.

In order to fairly select the host high school, while simultaneously motivating students, SFMD will run a slogan contest prior to the Drill event. Each student or groups of students from the four high schools within the DUSD will submit a Drunk/Distracted Driving related slogan and SFMD Administration staff will select a winning slogan. This will not only help to promote the Drill but will thoroughly engage our target audiences. The Drill will be performed at the school of the student(s) whom submitted the winning slogan. The winning slogan will be printed on t-shirts and will include the AZ GOHS logo (design to be approved by AZ GOHS, sample attached). The t-shirts will also display links to the SFMD social media sites that will post the video production. The t-shirts will be distributed to the senior class of the host high school at the Drill event. The slogan will also be incorporated into the video production.

On the day of the Drill, SFMD will simulate a multi-patient crash scene utilizing students as "patients" who have been involved in a drunk and distracted driving incident. Moulage will be used on the "patients" to portray a real-life scenario. SFMD personnel will demonstrate the use of extrication equipment and Advanced Life Support (ALS) measures. The ALS measures will utilize immobilization boards, EMS supplies purchased from this grant, and two Crash Kelly mannequins

purchased with 2015 GOHS grant funding (2015-EM-014). These specialized mannequins will allow two sectors to work simultaneously on one mannequin in a training scenario. Following the Drill, signed distracted driving pledge sheets will be collected from students in attendance and distracted driver silicone finger bands will be distributed to remind students to choose safe driving practices.

It is important to note that on August 7, 2015, SFMD was granted a CON which allowed for one fully operational ambulance to be put into service on November 1, 2015. The ambulance is currently staffed by one EMT and one Paramedic per 24 hour shift. An added benefit of the grant funding is the needed training for SFMD's ambulance staff, first responders and regional partners on multi-casualty incidents with extrication. Just as recent as February 23rd, SFMD, along with multiple other agencies, responded to an eight-patient traffic accident in the City of Surprise. Additional training for these types of incidents is invaluable. The Drill would give SFMD the opportunity to perfect diverse life savings skills in a multi-patient trauma scenario while simultaneously sharing the invaluable message to not drink and drive or text and drive/walk. 2015 saw a rise in traffic accidents in AZ with 113 more motor vehicle fatalities as well as a rise in accidents on a national level (Trivalleycentral.com, 2/18/16). Additionally, pedestrian fatalities have seen a continual rise since 2009 (State of Arizona Highway Safety Plan FFY2016). SFMD believes it is equally important to address this issue in the Drill scenario.

SFMD will partner with the Surprise Police Department, DUSD, Rural Metro Ambulance, Helicopter Air Logistics Operations (HALO) and other emergency response agencies to ensure the reality of the message is delivered effectively to the target audience and provide training to all aspects of incident response.

Agency Background

SFMD is an organization of 129 professionals dedicated to providing fire suppression, emergency medical services, code enforcement, public education, fire prevention, and technical rescue to the people who reside within or pass through the City of Surprise's borders. Services are delivered by full-time personnel operating out of seven engine companies, one ambulance, one air/light support truck, one Battalion Chief and a host of support staff. SFMD participates in a Valley-wide automatic aid system which encompasses 26 different municipal fire departments and fire districts.

The City of Surprise is located northwest of the City of Phoenix, nestled along the east and north sides of the White Tank Mountain Range. The City of Surprise encompasses approximately 109 square miles of desert terrain with annexation plans of an estimated 150 square miles over the next several years.

Vehicular traffic enters the City of Surprise via four main routes;

- (1) State Highway 60/Grand Avenue, which cuts through the City of Surprise southeast to northwest, providing motorists travel between Phoenix and Las Vegas, Nevada;
- (2) Bell Road cuts through the northern heart of the city, running east and west, crossing over State Highway 60/Grand Avenue. To improve congestion at the busy intersection of Bell Road and Grand Avenue, the Arizona Department of Transportation (ADOT) will construct a new Bell Road bridge over US 60 (Grand Avenue) and the adjacent railroad tracks. The bridge will replace the current ground-level intersection. With this new interchange, through traffic on Grand Avenue will no longer stop at Bell Road. Instead, the two roadways will be connected via new on- and off-ramps constructed within the Grand Avenue median. Construction began 01/14/16 and expects to be completed in the Spring of 2017;
- (3) Greenway Road cuts through the southern heart of the city, also running east and west;
- (4) State Route 303 cuts through the City of Surprise north and south and has recently completed an extensive expansion to increase the flow of traffic through the City of Surprise. The expansion has successfully brought more motorists into the City of Surprise and allowed traffic to travel through Surprise to Interstate 10 to the south, which leads to California and New Mexico and north to Interstate 17 which takes travelers to Flagstaff.

In total, the SFMD is responsible for providing services to approximately 690 miles of roadway within the City.

According to the City of Surprise's FY15 Comprehensive Annual Financial Report, available on www.surpriseaz.gov, the 2015 population was 126,275 with a median resident age of 37. Over the past ten years, the City has experienced tremendous growth resulting in an estimated 31% increase in population while the median resident age has remained relatively unchanged.

According to <http://www.census.gov/quickfacts/table/PST045215/0471510>, as of April 1, 2010, persons under the age of 20 represent 27.3% of the population and persons over the age of 65 represent 19.0% of the population of the City of Surprise.

The City of Surprise is home to three high schools, Willow Canyon, Valley Vista and Shadow Ridge, and has a current student population of 5,580, representing 4.5% of the overall population of the City of Surprise. Dysart High School is located in El Mirage, a neighboring city that borders Surprise to the east. The current student population at Dysart High School is 1,657. These four high schools comprise the DUSD and the total student population is 7,237.

Additionally, Surprise is home to several active adult communities, which has increased the amount of vehicle, bicycle, and pedestrian traffic in and around the city, especially during the winter months.

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Problem Statement

Statistics

- In 2013, 3,154 people were killed and an estimated 424,000 people were injured in crashes involving a distracted driver. (NHTSA)
- In 2013, 18% of crashes in which someone was injured involved a distracted driver. (NHTSA)
- 10% of drivers of all ages under the age of 20 involved in fatal crashes were reported as distracted at the time of the crash. This age group has the largest proportion of drivers who were distracted. (www.distracted.gov)
- Drivers in their 20s make up 27 percent of the distracted drivers in fatal crashes. (NHTSA)
- A quarter of teens respond to a text message once or more every time they drive. (UMTRI)
- Kids who start drinking young are seven times more likely to be in an alcohol-related crash. (Hingson, Ralph, et al. "Age of Drinking Onset, Driving After Drinking, and Involvement in Alcohol-Related Motor Vehicle Crashes." DOT HS 809-188. Washington, DC: National Highway Traffic Safety Administration, January 2001.
- Car crashes are the leading cause of death for teens, and about a quarter of those crashes involve an underage drinking driver. (NHTSA)
- Over 40% of all 10th graders drink alcohol. (Miech, R.A., Johnston, L.D., O'Malley, P.M., Bachman, J.G., & Schulenberg, J.E. (2015). Monitoring the Future national survey results on drug use, 1975-2014: Volume I, Secondary school students. Ann Arbor: Institute for Social Research, The University of Michigan, 599pp..

On a national level, these statistics are alarming; however, they are even more alarming when you consider that persons under the age of 20 represent 27.3% of the population of the City of Surprise.

In a state without a cell phone and texting ban (except for an all cell phone ban for school bus drivers), outreach to young drivers is crucial. Using the Drill, it is SFMD's goal to bring awareness about the dangers of drunk and distracted driving and inspire teens to make safe, smart decisions when behind the wheel.

As previously mentioned, the high school student population in the City of Surprise is 5,580 and represents 4.5% of the City's overall population. This adds an increased amount of novice drivers to our roadways and when you factor in technological advancements, social trends, peer pressure, and drunken driving cases, this creates a desperate need for education in the various traffic safety situations that arise while on the road.

In addition to novice drivers joining the roads, the City's population growth alone has increased the number of drivers on the roads, leading to more traffic and subsequently more collisions. In FY15, SFMD responded to 606 traffic accidents with 263 of those accident patients requiring advanced life support measures and five requiring extrication. SFMD can confirm that at least one of the extrications was due to a distracted driver. To date, in FY16, SFMD has responded to 512 traffic accidents; 201 required Advanced Life Support measures, seven required extrication, and two accidents resulted in four fatalities. SFMD can confirm that two of the fatalities were due to drunk

driving. SFMD is committed to reducing these numbers through educating the public on the importance of safe, distraction-free, sober driving.

Attempts to Solve Problem

For four consecutive years, from 2010-2013, SFMD played a role in similar mock crash events, sponsored by DUSD's Safe Schools/Healthy Students program. The last event took place at Shadow Ridge High School in April, 2013. Over the past three years, from 2014-2016, the mock crash events have not been done due to budget constraints between both agencies. As the City is recovering from the recession, it is SFMD's hope and goal to become the lead agency of these mock crash events in the future.

It is important to note that if this funding is received, no high school student within the DUSD will have missed the mock crash experience. The last event was held in April, 2013 and students entering as freshman in August, 2013 will be seniors in the spring of 2017.

The Drill has the potential to reach 100% of the DUSD high school student population (7,237 students) and countless members of the community when you factor in parents, family and friends of the students. In addition, the video production will be published via social media and shared with the DUSD population.

Project Objectives

- 1) To receive drunk and distracted driving pledge sheets from 100% of students in attendance of the Drill.
- 2) To deliver SFMD's message of safe, distraction-free, sober driving to 100% of the DUSD high school student population.
- 3) To reduce the number of traffic accidents within the City of Surprise by 3%.

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Method of Procedure

- 1) SFMD will set up two event tables for students to pass by at the beginning of the Drill. At these event tables, pledge sheets will be distributed and students will be asked to sign and return the pledge sheet at the completion of the Drill.
- 2) SFMD will host the Drill event by 03/31/17 and City of Surprise personnel will begin editing and producing the video soon thereafter. The final video production will be distributed to the non-host schools and published on SFMD's social media sites by 04/15/17 in order to reach 100% of students within the DUSD. Additionally, banners will be distributed to each of the schools promoting the message of safe, distraction-free, sober driving. SFMD will request that each high school hang the banner in a strategic location for all students to see.
- 3) Following the Drill, SFMD's Community Life Safety Education Division will be active on social media and, in addition to posting the video production, will post one drunk/distracted driving related fact/article on SFMD social media pages per month through 09/30/17.

Performance Measures

By 11/01/16, SFMD will have designated a Drill coordinator to ensure the timeline is adhered to.

By 12/01/16, SFMD will contact the four high schools within the DUSD to discuss the Drill, their interest and ability to host the event. The slogan contest will be initiated by SFMD and DUSD representatives.

By 12/15/16, the winning slogan will be selected (determining the host school) and the hosting school will be notified.

By 02/01/17, SFMD will host a planning meeting with the students and DUSD personnel that will be involved in the Drill.

By 02/15/17, SFMD will have ordered all promotional materials and equipment from vendors.

- Demo cars
- Banners & table event covers (design to be approved by AZGOHS)
- Slogan t-shirts (design to be approved by AZGOHS)
- Distracted driving silicone fingers
- Immobilization backboards
- Paper and toner
- Water
- Moulage supplies

By 03/01/17, SFMD will host a second and final planning meeting with the school's representatives.

By 03/31/17, SFMD will have hosted the Drill event and collected all pledge sheets from the attending students.

By 04/15/17, SFMD will distribute a hard copy of the video production to the non-host schools and post the video production to SFMD social media pages.

By 09/30/17, SFMD will run reports from their call tracking system (Firehouse) to determine if the accident reduction goal of 3% was met.

(For Law Enforcement Agencies Only)
Traffic Data Summary – Law Enforcement Report
 (Submitted to GOHS)

Reporting Period

Please include the following traffic data to support the identified problem in your proposal.

Description	(If Available) 2015	2014	2013
Sober Designated Drivers Contacted			
TOTAL DUI ARRESTS			
Aggravated DUI Arrests			
Misdemeanor DUI Arrests			
Extreme DUI Arrests (.15+)			
DUI – Drug Arrests			
DRE Evaluations			
Under 21 DUI Arrests			
Minor Consumption / Possession Arrests			
TOTAL AGENCY CITATIONS			
Criminal Speed Citations			
Aggressive Driving Citations			
Civil Speed Citations			
Other Citations (Except Speed)			
Child Restraint Citations			
Seatbelt Citations			

****This information was obtained from the Surprise Police Department. Please note that Surprise Police Department responds to more traffic related incidents than SFMD, as medical personnel are not always dispatched to accident scenes.**

(For Emergency Medical Agencies Only)

Traffic Data Summary – Fire Department / District
(Submitted to GOHS)

Include the following traffic data to support the identified problem in your proposal.

Description	FY16 (YTD)	FY15	FY14
	07/01/15 – 03/08/16	07/01/14 – 06/30/15	07/01/13 – 06/30/14
Traffic Calls for Service	512	606	629
Injuries	510	606	628
Fatalities	2	0	1
Crash to Hospital Arrival Times	Unable to obtain this information		

****Note from SFMD – A year-to-date report indicates that, SFMD has responded to two traffic calls for service which resulted in four fatalities (SFMD's system tracks calls, not patients). SFMD can confirm that one of the accidents, resulting in two fatalities, was related to an intoxicated wrong-way driver.**

Estimated Budget Costs

FFY 2017 Budget			
Budget Item	Description	Subtotal	Total
Personnel Services (Overtime)	SFMD Staff (8 staff, 5 hrs each @ \$55/hr)	\$2,200	
	PD Student Resource Officer (2 staff, 5 hrs each @ \$55/hr)	\$550	
	IT/Communications - Social Media Management (2 staff, 3 hrs each @ \$40/hr)	\$240	
	IT/Communications – Video developing, editing and copying (2 staff, 16 hrs each @ \$60/hr)	\$1,920	
	Planning Meetings (2 SFMD staff/1 PD Student Resource Officer)	\$330	
			\$5,240
Employee Related Expenses	25% of Overtime Costs	\$1,310	
			\$1,310
Professional and Outside Services	T-shirt costs and screen printing (600 shirts @ \$15/shirt)	\$9,000	
	Silicone finger bands (3,220 bands @ \$0.25/band)	\$805	
	Event table covers (2 @ \$150 each)	\$300	
	Reusable banners (11 @ \$150 each; 1 for each fire station (7), 1 for each school (4))	\$1,650	
	Demo cars (2 @ \$400 each)	\$800	
			\$12,555
Travel In-State	N/A		
			\$0
Travel Out-of-State	N/A		
			\$0
Materials and Supplies	Cases of water for Drill staff (10 @ \$5)	\$50	
	Toner cartridge (1 @ \$150)	\$150	
	Paper reams (5 @ \$5)	\$25	
	Moulage supplies	\$250	
			\$475
Capital Outlay	Immobilization Backboards (2 @ \$210 each)	\$420	
			\$420
Total Estimated Cost			\$20,000

Budget Narrative

Personnel Services (Overtime)

- Funds will be used for wages for personnel to plan and execute the Drill, produce the Drill video, and manage social media posts in relation to the Drill.

Employee Related Expenses

- SFMD has estimated costs of approximately 25% of overtime costs for ERE.

Professional and Outside Services

- A third party will be contracted to provide services and goods for the following items:
 - 600 t-shirts that include the winning slogan and logos for SFMD and AZ GOHS. T-shirt sizes will range from small to extra-large. The t-shirts will keep the message alive/active over time.
 - § 100 – small
 - § 200 – medium
 - § 200 – large
 - § 100 – extra large
 - 3,220 silicone finger bands that contain a drunk/distracted driving related message. The finger bands are one-size.
 - Eleven reusable banners printed in color and contain the logos for SFMD and AZ GOHS. One banner will be hung at each of Surprise's seven fire stations and SFMD will provide one to each of the four schools within the DUSD.
 - Two reusable event table covers printed in color and contain the logos for SFMD and AZ GOHS.
 - Two demo cars to be used in staging the Drill crash scene. The cars will be towed to and from the host school.

Note: The City's Procurement Department will be involved to ensure proper purchasing.

Materials and Supplies

- Ten cases of water will be purchased to ensure those participating in the Drill are hydrated during the event.
- SFMD anticipates the use of one full black toner cartridge to print the pledge sheets. The toner cartridge compatible with our office printer costs approximately \$150.
- Approximately five reams of paper will be needed to print the amount of pledge sheets for the anticipated number of students attending the Drill.
- Moulage supplies will be ordered so the crash 'victims' are portrayed as close to a real-life scenario as possible.

Capital Outlay

- Immobilization backboards will be purchased for use in the Drill and for future use on two of the City's apparatus'. Currently SFMD is short on spinal immobilization boards. This will ensure resources available for the drill and for future training/response needs.

Attachments

RESOLUTION: The City of Surprise intends to complete the GOHS 2017 grant application Resolution requirement by April 5, 2016, at which time the signed resolution will be sent to GOHS via regular mail.

T-SHIRT SAMPLE:



Front



Back

FINGER BAND SAMPLE:



RESOLUTION # 2016-49

A RESOLUTION OF THE MAYOR AND COUNCIL OF THE CITY OF SURPRISE, ARIZONA, AUTHORIZING THE CITY TO APPLY FOR AND, IF AWARDED, ENTER INTO THE GRANT PROGRAM HS-FY2017 FROM THE GOVERNOR'S OFFICE OF HIGHWAY SAFETY, STATE OF ARIZONA.

WHEREAS, the Arizona Governor's Office of Highway Safety annually awards grants to local agencies to focus upon highway safety;

WHEREAS, the City of Surprise Fire-Medical Department desires to seek and accept grant funding in the amount of \$20,000 to host a DUI and Distracted Driving Mock Crash event in conjunction with the Dysart Unified School District;

WHEREAS, accepting this grant will improve driver awareness among the student population in the Dysart Unified School District and within the City of Surprise;

WHEREAS, the grant, if awarded, will be included as a part of the FY2017 budget; and

WHEREAS, the City of Surprise Administrative Policies requires the approval of the Mayor and Council prior to the application and acceptance of grant funds of this nature.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the City of Surprise, Arizona, as follows.

Section 1. The City of Surprise is authorized to apply for and, if awarded, accept a grant in the amount of \$20,000 from the Arizona Governor's Office of Highway Safety for the City of Surprise, acting through its Fire-Medical Department, to be able to improve driver awareness among the student population in the Dysart Unified School District and within the City of Surprise pursuant to the Governor's Office of Highway Safety Grant Program HS-FY2017.

Section 2. The City Manager, Bob Wingenroth, or his designees, is hereby authorized to conduct all negotiations and to execute and submit all documents and other necessary or desirable instruments in connection with this grant application and, if awarded in whole or in part, the grant acceptance.

[SIGNATURES ON THE FOLLOWING PAGE]

APPROVED AND ADOPTED this ____ day of _____, 2016.

Sharon R. Wolcott, Mayor

Attest:

Approved as to form:

Sherry Aguilar, City Clerk

Robert Wingo, City Attorney



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

[Back](#) [Print](#)

Council Meeting Date:	April 5, 2016	Contact Person:	Mike Gent Public Works Director
Submitting Department:	Public Works	District:	3
Staff Recommendations:	None		

Consent	x	Regular	Public Hearing	Report/Discussion
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Agenda Wording:

Consideration and action amending the fiscal year 2016 budget by reallocating appropriations of \$205,000 for construction of Cactus Road 175th Ave to Cotton; Resolution #2016-53.

Motion:

I move to approve Resolution # 2016-53.

Background:

The project consists of improving Cactus Road from 175th Avenue to Cotton Lane with one lane in each direction including roadside swales for drainage and safety barriers. The new roadway will provide alternate access to Sierra Ann Ranch and future developments (Zanjero Trails) to the west. This road will also serve the Paradise Honors and Shadow Mountain High Schools.

Additional scope such as drainage, safety barriers and pavement has been added to the Cactus Road project incurring additional expenses above the budgeted amount.

Objective Analysis:

By re-appropriating funds from other projects where savings have been identified to this project allows the City to complete a project that has been in the capital improvement plan since FY2013. If the City were to choose to shelf the plan and not construct the City would more than likely incur future design and construction costs at some later date.

Policy Compliant:

This action item helps to address Council Strategic Goal of Transportation and more specifically goal 2 of improving internal circulation by paving a section of Cactus road that is currently a dirt road.

Financial Impact:

An additional \$205,000 is needed for the completion of the Cactus Road 175th to Cotton Lane project. This request will utilize available savings from the Dove Valley and Jomax Road project for the

completion of the Cactus Road 175th to Cotton Lane project.

Budget Impact:

All projects were approved as a part of the FY2016 budget. This request will reallocate appropriations of \$205,000 within the Transportation Improvement Fund and General Capital Fund from Project 21504 Jomax Road and Project 21105 Dove Valley Road to Project 21304 Cactus Road 175th to Cotton for construction without exceeding the approved total annual budget for FY2016.

The total project budget for FY2016 Dove Valley Road will decrease from \$267,600 to \$117,600 and Jomax Road will decrease from \$863,500 to \$808,500 while the project budget for Cactus Road 175th to Cotton Lane will increase from \$272,200 to \$477,200.

FTE Impact:

There is no FTE impact associated with this item.

ATTACHMENTS:

Click to download

☐ [Resolution 2016-53 Cactus Road Budget Amendment](#)

RESOLUTION # 2016-53

A RESOLUTION OF THE MAYOR AND COUNCIL OF THE CITY OF SURPRISE, ARIZONA, AMENDING THE FISCAL YEAR 2016 BUDGET BY REALLOCATING APPROPRIATIONS OF \$55,000 FROM CAPITAL PROJECT 21105 (DOVE VALLEY ROAD) AND APPROPRIATIONS OF \$150,000 FROM CAPITAL PROJECT 21504 (JOMAX ROAD) TO CAPITAL PROJECT 21304 (CACTUS ROAD 175TH TO COTTON) FOR CONSTRUCTION.

WHEREAS, the Public Works Department has completed design of Cactus Road 175th to Cotton project;

WHEREAS, the Public Works Department in conjunction with the Procurement division of the Finance department advertised for the construction of Cactus Road according to City procurement policies;

WHEREAS, the construction bids came back higher than the remaining budget for construction;

WHEREAS, the Public Works Department has identified construction savings from the Jomax road project and the Dove Valley road project;

WHEREAS, the FY2016 budget was adopted by Council Resolution #2015-53 on June 2, 2015;

WHEREAS, this action will necessitate a budget amendment; and

WHEREAS, City of Surprise Administrative Policies requires the approval of the Mayor and Council for budget amendments of this nature.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the City of Surprise, Arizona, as follows.

Section 1. The City's Chief Financial Officer is authorized to make the fund source budget adjustments described and estimated in Exhibit "A".

Section 2. That the statements and schedules attached as *Exhibit A* and incorporated by reference are adopted, amending the budget of the City of Surprise, Arizona for the fiscal year July 1, 2015 through June 30, 2016.

SIGNATURES ON THE FOLLOWING PAGE

APPROVED AND ADOPTED this ____ day of _____, 2016.

Sharon R. Wolcott, Mayor

Attest:

Approved as to form:

Sherry Aguilar, City Clerk

Robert Wingo, Interim City Attorney

RESOLUTION # 2016-53
Exhibit A

The FY2016 Annual Budget is amended by reallocating appropriations among lawfully available appropriations to ensure the continued operations of the City of Surprise in the payment of necessary expenditures. These allocations do not represent an actual transfer of funds, but only a transfer of spending authority. Additionally, these reallocations do not increase or decrease the total budget.

Fund / Project	Current Appropriation	Increase (Decrease)	Amended Appropriation
Transportation Improvement Fund, #21504 Jomax Rd	\$ 383,200	\$ (27,500)	\$ 355,700
General Capital Fund, #21504 Jomax Rd	480,300	(27,500)	452,800
General Capital Fund, #21105 Dove Valley	267,600	(150,000)	117,600
Transportation Improvement Fund, #21304 Cactus Rd 175th to Cotton Ln	272,200	27,500	299,700
General Capital Fund, #21304 Cactus Rd 175th to Cotton Ln	0	177,500	177,500
	<u>\$ 1,403,300</u>	<u>\$ 0</u>	<u>\$ 1,403,300</u>

The fund changes are as follows:

- This amendment reallocates appropriations of \$205,000 within the Transportation Improvement Fund and the General Capital Fund from Project 21504 Jomax Road and Project 21105 Dove Valley Road to Project 21304 Cactus Road 175th to Cotton for construction without exceeding the approved total annual budget for FY2016.
- The total project budget for Dove Valley Road will decrease from \$267,600 to \$117,600 and Jomax Road will decrease from \$863,500 to \$808,500 while the project budget for Cactus Road 175th to Cotton Lane will increase from \$272,200 to \$477,200.



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

[Back](#) [Print](#)

Council Meeting Date:	April 5, 2016	Contact Person:	Sergio Angulo, Community Development
Submitting Department:	CD	District:	4
Staff Recommendations:	None		

Consent	Regular	Public Hearing	x	Report/Discussion
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Agenda Wording:

Consideration and action pertaining to an Ordinance rezoning, a .36 acre parcel generally located on the southwest corner of W. Ironwood Street and N. Verde Street in the Original Townsite, from CN/RL-5 split zoning to RL-5; Ordinance # 2016-02.

Motion:

I move to approve Ordinance # 2016-02.

Background:

The applicant discussed with staff the possibility to use the subject property and existing building as a gathering place for youth functions and the Door Christian Fellowship facility. This meeting was followed by a concept review and a formal submittal for a Rezone of the property as outlined herein along with a related Final Plat. The Planning and Zoning Commission recommended approval of the proposed Rezone on March 3, 2016.

Objective Analysis:

The proposed Rezone will bring the subject property into conformance and facilitate development of said property.

Policy Compliant:

The proposed Rezone is compliant with all City Policies.

Financial Impact:

All activity related to ongoing development of the City of Surprise has an economic and fiscal impact on the city and the region.

Budget Impact:

There is no anticipated budget impact related to this item.

FTE Impact:

This item does not have an impact on current staff levels.

ATTACHMENTS:**Click to download**

- ☐ [FS15-315 - The Door Christian Fellowship - Rezone/Zoning Amendment - Public Engagement Form](#)
 - ☐ [00 - FS15-315 - The Door Christian Fellowship - Rezone/Zoning Amendment - Staff Report](#)
 - ☐ [01 - FS15-315 - The Door Christian Fellowship - Rezone/Zoning Amendment - Case Map](#)
 - ☐ [02 - FS15-315 - The Door Christian Fellowship - Rezone/Zoning Amendment - Vicinity Map](#)
 - ☐ [03 - FS15-315 - The Door Christian Fellowship - Rezone/Zoning Amendment - Luke AFB Comments](#)
 - ☐ [04 - FS15-315 - The Door Christian Fellowship - Rezone/Zoning Amendment - Rezone Document](#)
 - ☐ [05 - FS15-315 - The Door Christian Fellowship - Rezone/Zoning Amendment - Presentation](#)
 - ☐ [Ordinance 2016-02 and Rezone Document](#)
-

PUBLIC ENGAGEMENT FORM

PROJECT TITLE: FS15-315 The Door Christian Fellowship Rezone and Final Plat

OVERALL PUBLIC INVOLVEMENT LEVEL:

The Citizen Review meeting took place October 22, 2015 at the project location. Two (2) neighboring property owners attended to ask information about the project and, after listening, gave support for the project.

IDENTIFY STAKEHOLDERS:

Neighboring Property Owners

OBJECTIVES:

This Rezone and Final Plat will bring the subject parcel into conformance with the SUDC so that the property can be used as a gathering place for youth functions. If the City Council chooses to not approve the Rezone and Final Plat, the property will continue to remain inoperable due to its nonconforming status.

PUBLIC ENGAGEMENT STRATEGIES & TOOLS:

Public Engagement & Project timeline:

Public outreach time frame (when to when) October 22, 2015

Future Council Work Session/Meetings target dates April 5, 2016 Regular Meeting

Election dates (if applicable) N/A

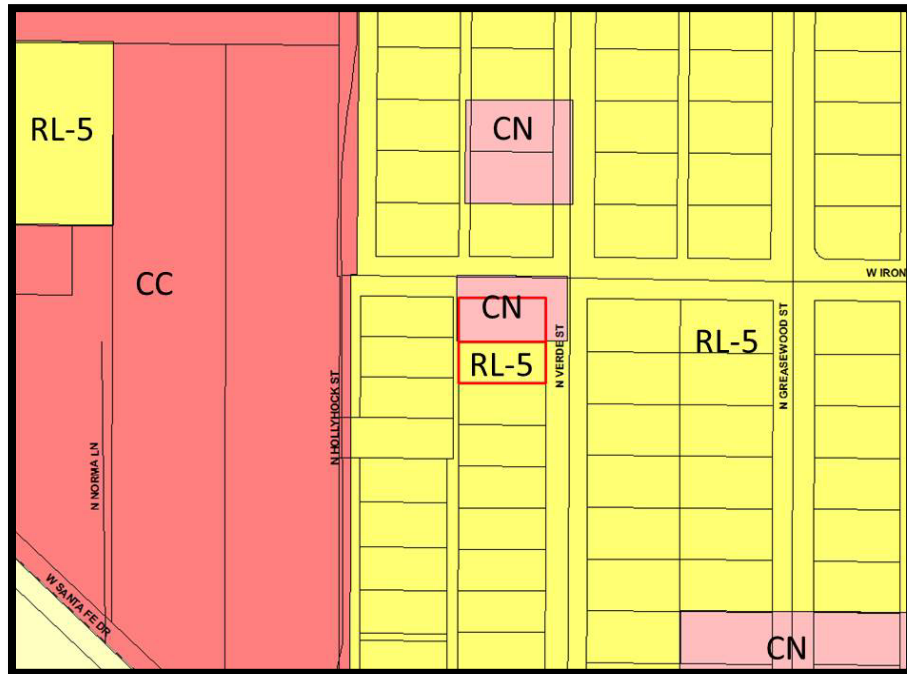
Project start/completion dates N/A

Communication Tools and Technique options: (which do you plan to use?)

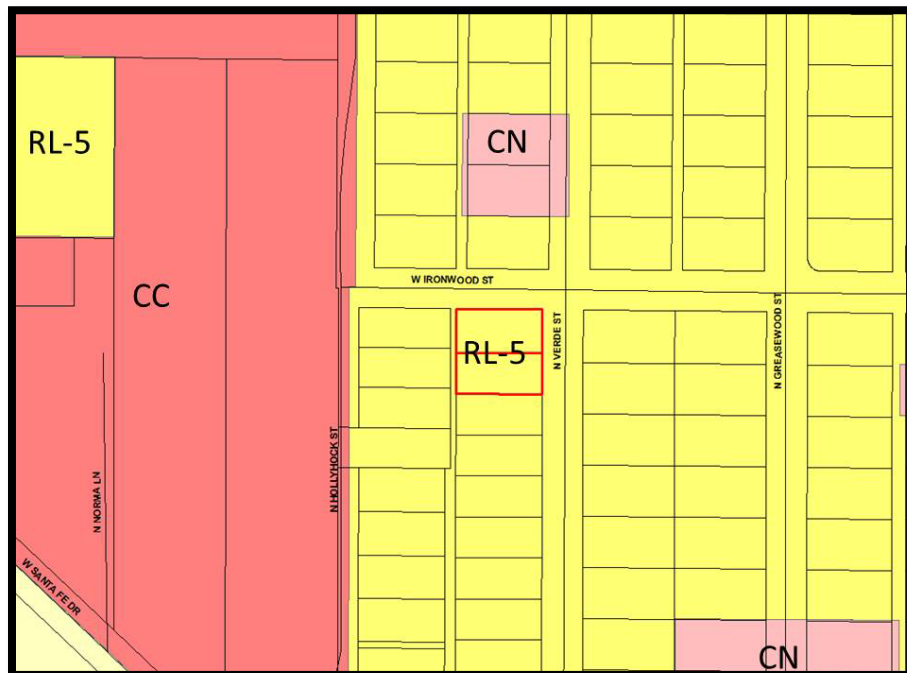
- ☐ Press releases
- ☐ Public meetings (video/photos, poster boards, fact sheet(s) *do you need Spanish version?)
- ☒ Presentations to boards and commissions, other interested community partners/stakeholders
- ☐ Third-party consultant/moderator (pending budget)
- ☐ Survey (online/paper/both?)
- ☐ Social media
- ☐ Surprise 11
- ☐ Notify Me email/ Council newsletters (opt-in audience)
- ☒ Paid advertising (pending budget)
- ☐ Surprise Progress (mailed quarterly and tied to print deadlines)
- ☐ Booth at city events
- ☒ Paid mailings (pending budget)
- ☐ Creation of a subcommittee/task force
- ☐ Youth/adult activities, registration, or orientation (HOA Academy)
- ☐ Website updates

REZONE

24 **Existing Zoning:**



25 **Proposed Zoning:**



26 **Background:**

27 **November 20, 2014:** Staff met with the applicant to discuss the project during a regularly scheduled
28 Concept Review meeting under CR14-374.

29 **July 27, 2015:** The applicant filed a request for a Rezone and a Final Plat under case FS15-315, the
30 subject case.

31 **October 22, 2015:** The applicant held a neighborhood outreach meeting to discuss the project.
32

33 **March 3, 2016:** The Planning and Zoning Commission hearing scheduled. The Commission
34 recommended **approval** to the City Council.

35 **Citizen Review:**

36 As noted above, the applicant held a Citizen Review meeting on October 22, 2015 in which two (2)
37 neighboring property owners attended to support the project. Staff is not aware of any opposition
38 regarding this request.

39 **Analysis and Discussion:**

40 The subject property consists of two (2) lots ; lots 9 and 10 of the T.W. Feltner Subdivision, a
41 subdivision approved by the City Council on February 9, 1961. The subject property has split zoning;
42 the northern half is zoned CN while the southern half is zoned RL-5. The SUDC does not permit split
43 zoning therefore the subject property is currently a nonconforming parcel. The applicant is
44 proposing to rezone the subject property completely to RL-5 and to combine lots 9 and 10 to bring
45 the property into compliance with the SUDC.

46 There is an existing vacant building on site which is located on both parcels with the property line
47 running through the middle of the building. The existing zoning district boundaries also cause the
48 building to be in two different zoning districts, another factor contributing to the nonconforming
49 status of the parcel.

50 The proposed Rezone is consistent with the Surprise General Plan 2035 which shows the subject
51 within the Neighborhood Character Area. The applicant's intent is to use the property as a
52 community facility and gathering place for youth functions which is a permitted use in a RL-5 zoning
53 district. The Specific Plan for the Revitalization of the Original Townsite approved by City Council on
54 May 23, 2002, calls for lands uses that will appropriately serve the community. Staff believes the
55 proposed use also meets the expectations of the Specific Plan.

56 **Planning and Zoning Commission Hearing:**

57 Two members from the public spoke to this project. The first, David Johnson, the author of the
58 Rezone document, briefly summarized the project. The second speaker was Elodia Fernandez, a
59 neighbor who was concerned about the possible noise that could be created with this use.

60 **Summary:**

61 Staff believes the proposed Rezone and Final Plat will meet the requirements of the SUDC and the
62 General Plan.

63 **Findings:**

- 64 • The proposed Rezone is consistent with the Surprise General Plan 2035.
- 65 • The proposed Rezone will meet the provisions of the SUDC.

66 **Staff Recommendation to the Planning and Zoning Commission:**

67 Based on the findings noted above, staff recommended the Commission move to recommend
68 **approval** of the Rezone proposed under case **FS15-315** to the City Council.

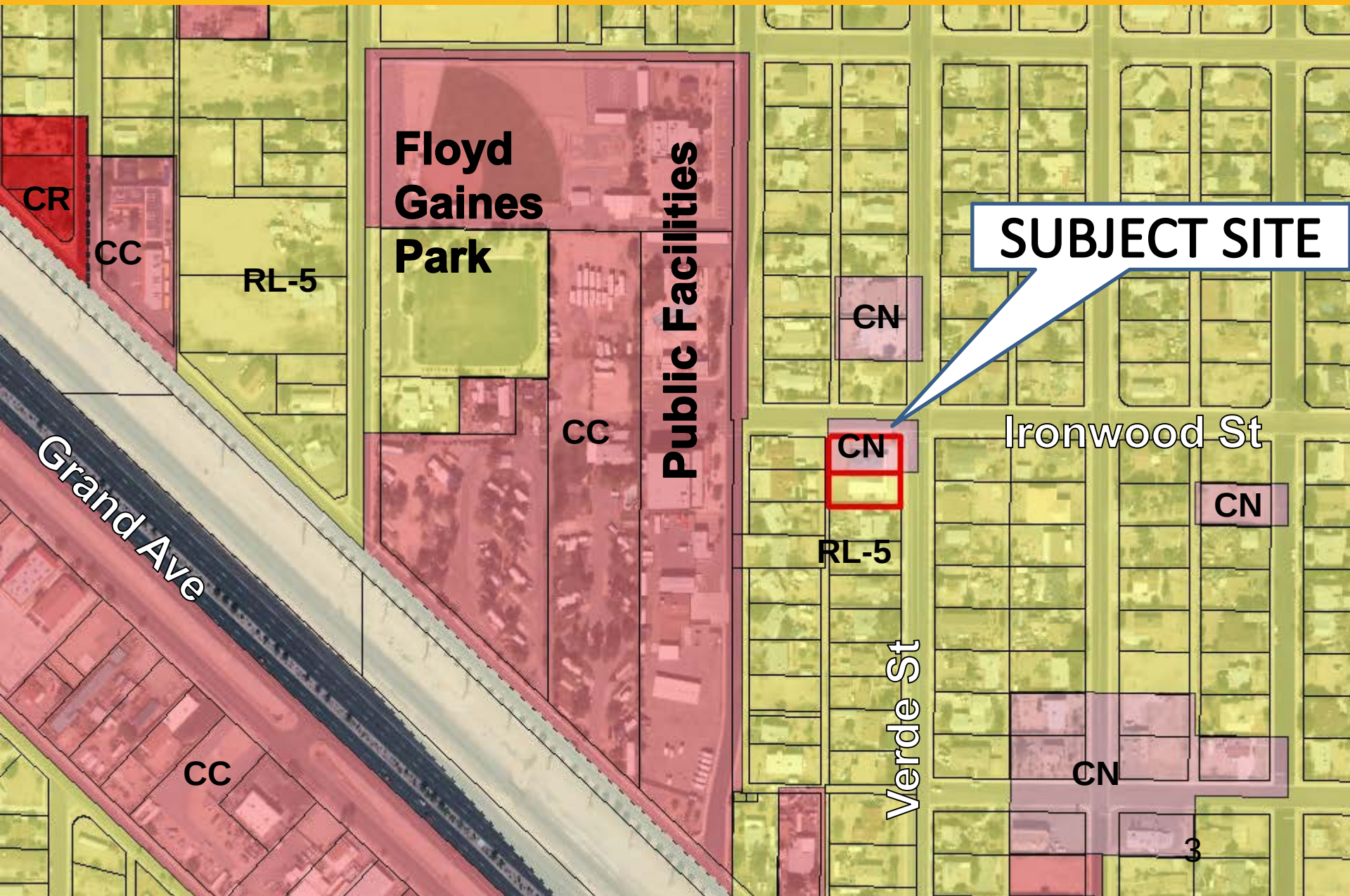
69 **Commission Recommendation:**

70 On March 3rd, 2016 the Planning and Zoning Commission moved to recommend **approval** of the
71 proposed Rezone under case **FS15-315** to the City Council.

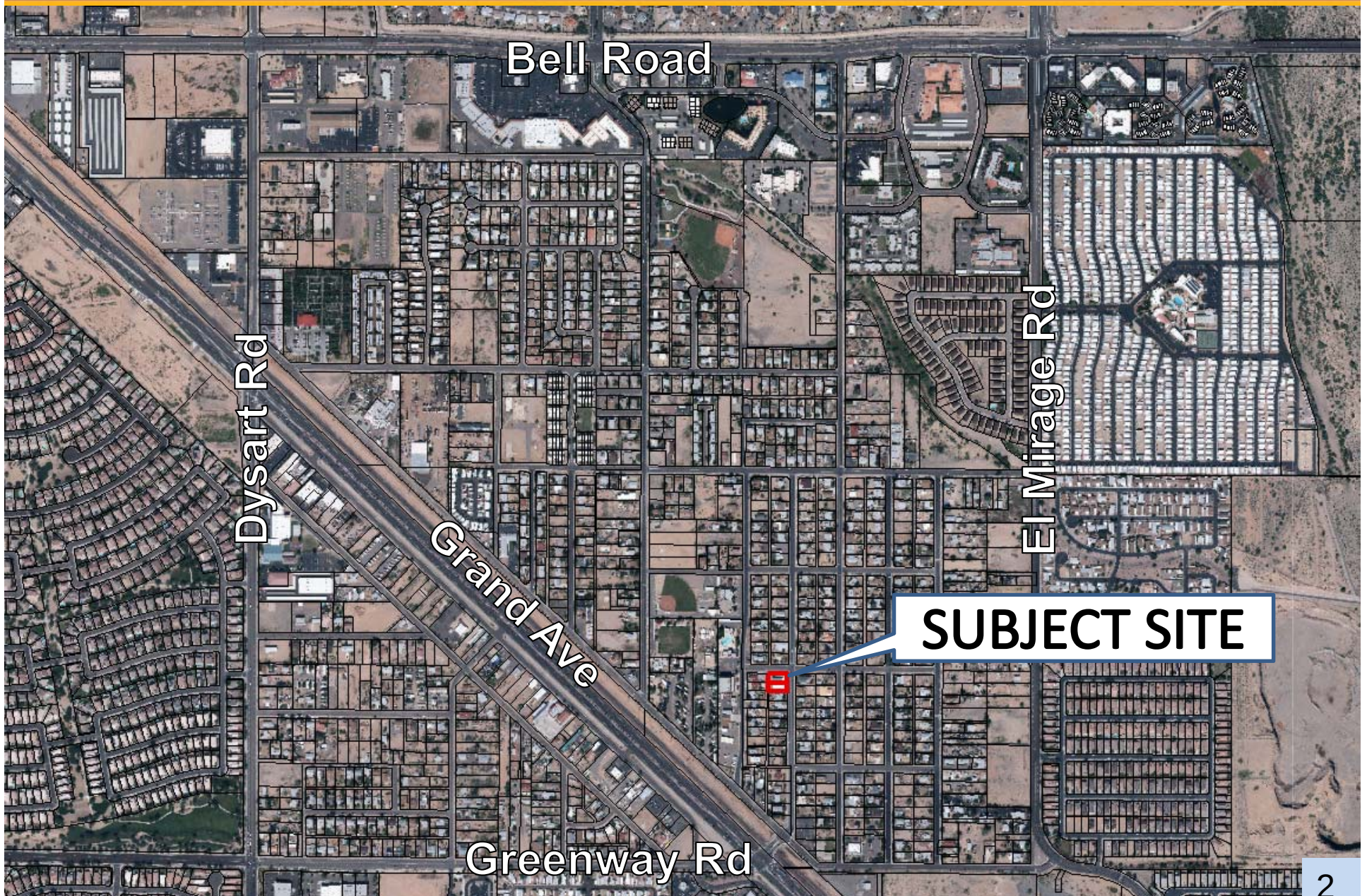
72 **Attachments:**

73 Case Map
74 Vicinity Map
75 Luke AFB comments
76 Rezone Document

CASE MAP



VICINITY MAP





**DEPARTMENT OF THE AIR FORCE
AIR EDUCATION AND TRAINING COMMAND**

20 August 2015

Mr. James R. Mitchell
Director, Community Initiatives Team
56th Fighter Wing
14185 West Falcon Street
Luke AFB AZ 85309-1629

Ms. Jamie Sullivan
City of Surprise Planning Department
16000 North Civic Center Plaza
Surprise AZ 85374

Re: Case #FS15-315: The Door Christian Fellowship

Dear Ms. Sullivan

Thank you for the opportunity to provide comments on the Rezone and Final Plat application for The Door Christian Fellowship. The church is located at 15646 N. Verde Street in Surprise AZ. It is the intention of the Door Christian Fellowship to remodel and use the existing facility as Community Facilities for a gathering place for youth functions, fellowship, etc. Currently the site is split zoned with a portion being CN(C-1): Neighborhood Commercial, and the other portion being RL-5(R1-5): Low Density Residential. The request is that the combined parcel be rezoned to RL-5(R1-5): Low Density Residential. The site is approximately one mile outside the 1988 JLUS 65 Ldn, "high noise or accident potential zone" as defined by A.R.S. § 28-8461 and is within the "territory in the vicinity of a military airport" also defined by A.R.S. § 28-8461.

As described, the rezone and remodel/additions to the church will not negatively impact the flying operations at Luke AFB. Since the Church Complex is located within the "territory in the vicinity of a military airport," it will be subjected to approximately 165 over flights a day, with some as low as 1,500 feet above ground level. We recommend you review the sound attenuation requirements found in A.R.S. § 28-8482. In addition, a strong notification program on the part of the applicant is essential to inform tenants about Luke AFB operations.

If you have any questions, please contact my Community Planner, Ms. Barbara Plante, at (623) 856-9981.

Sincerely

A handwritten signature in black ink, appearing to read "James R. Mitchell", is written over a horizontal line.

JAMES R. MITCHELL

cc:

Ms. Cindy L. Calderon, GS-13, General and Environmental Law Attorney, 56th Fighter Wing



Buckeye, AZ (623) 332-8000 - Planchkpro@CenturyLink.net

A Rezone for

The Door Christian Fellowship
15646 N. Verde St. Surprise, AZ 85378

Address: 15646 N. Verde St. Surprise, AZ 85378

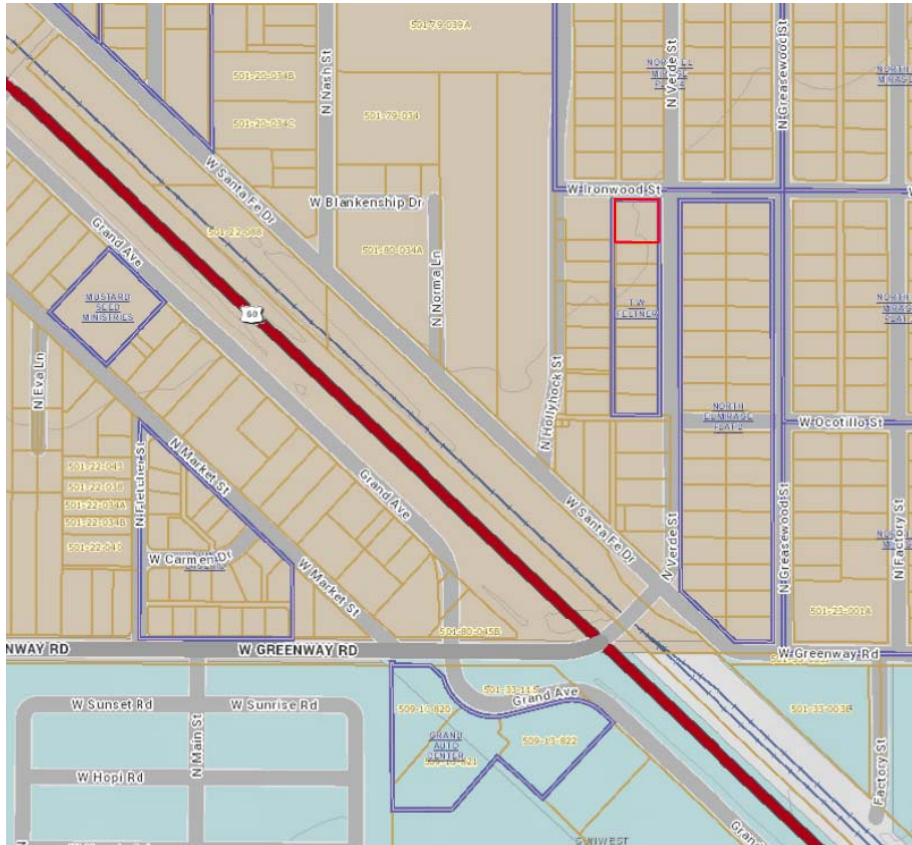
APN: 501-80-056A

Subdivision: T W FELTNER SUB MCR 99-33 LOTS 9 & 10

Lot: 10

RTS: 2 3N 1W

Vicinity Map



Legal Description

LOT 9 AND LOT 10 OF T.W. FELTNER SUBDIVISION AS RECORDED IN BOOK 99 OF MAPS, PAGE 33 OF RECORDS OF THE MARICOPA COUNTY ARIZONA RECORDER, BEING A PORTION OF THE SOUTHEAST QUARTER OF SECTION 2, TOWNSHIP 3 NORTH, RANGE 1

Prepared By David Johnson, Mayfair Design
6/3/15

WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF SAID LOT 10, MONUMENTED WITH A ONE HALF INCH REBAR AND CAP MARKED VAUGHN RLS 14216;

THENCE SOUTH 00 DEGREES 06 MINUTES 50 SECONDS WEST (AN ASSUMED BASIS OF BEARING), ALONG THE EAST LINE OF SAID LOT 10 AND LOT 9, A DISTANCE OF 123.92 FEET TO THE SOUTHEAST CORNER OF SAID LOT 9, MONUMENTED WITH A ONE HALF INCH REBAR AND CAP MARKED VAUGHN RLS 14216

THENCE NORTH 89 DEGREES 12 MINUTES 12 SECONDS WEST, ALONG THE SOUTH LINE OF SAID LOT 9, A DISTANCE OF 126.47 FEET, TO THE SOUTHWEST CORNER OF SAID LOT 9, MONUMENTED WITH A ONE INCH PIPE AND CAP MARKED VAUGHN RLS 14216;

THENCE NORTH 00 DEGREES 07 MINUTES 12 SECONDS EAST, ALONG THE WEST LINE OF SAID LOT 9 AND LOT 10, A DISTANCE OF 123.58 FEET TO THE NORTHWEST CORNER OF SAID LOT 10, MONUMENTED WITH A ONE HALF INCH REBAR AND CAP MARKED VAUGHN RLS 14216;

THENCE SOUTH 89 DEGREES 21 MINUTES 23 SECONDS EAST, ALONG THE NORTH LINE OF SAID LOT 10, A DISTANCE OF 126.45 FEET, TO THE POINT OF BEGINNING.

Surrounding Parcel Zoning

All parcels in direct proximity are currently zoned R1-5, low density residential. The neighborhood surrounding the project consists primarily of parcels zoned R1-5, low density residential.

The proposed zoning is compatible with the current zoning directly adjacent to the property and the other properties found in the neighborhood.

Rezone Compatibility With Land Uses In General Plan

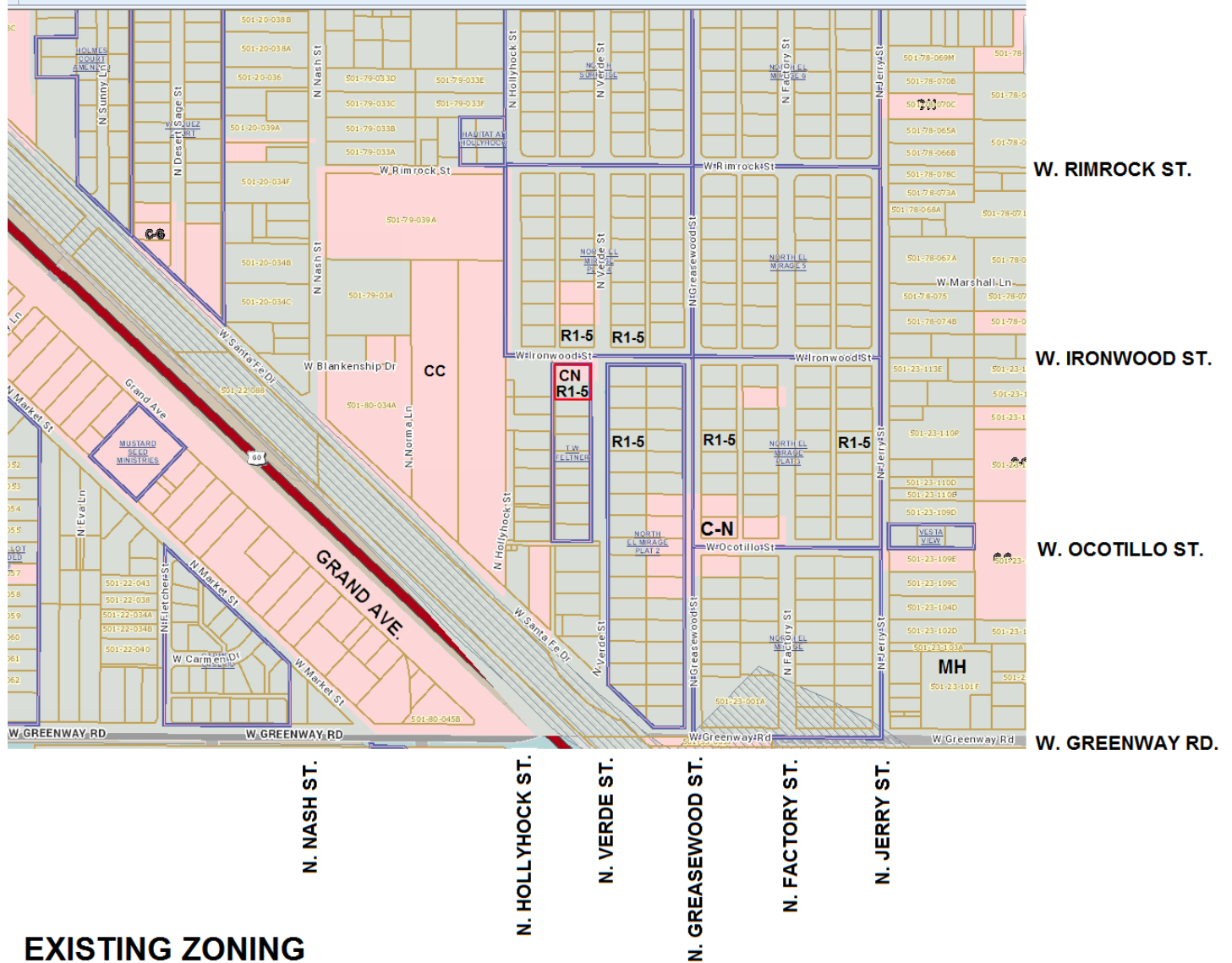
The rezoning of the parcel is in conformance and compatible with the General Plan Land Use requirements of low density residential.

General Plan Designation Within Three (3) Miles - Map



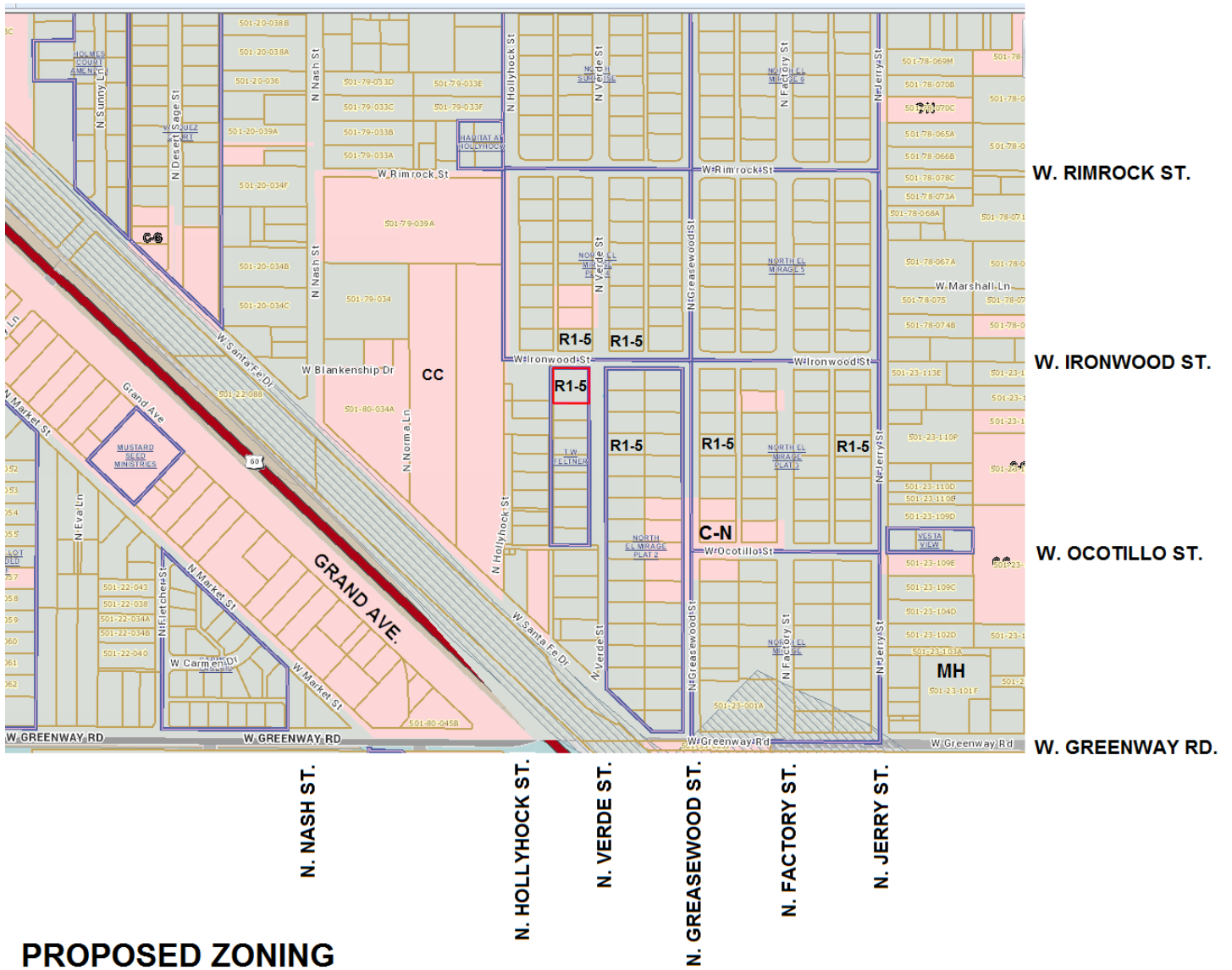
Prepared By David Johnson, Mayfair Design
6/3/15

Existing Zoning - Map



Proposed Zoning – Map

Prepared By David Johnson, Mayfair Design
6/3/15



Prepared By David Johnson, Mayfair Design
6/3/15

Rezone & Final Plat

The Door Christian Fellowship

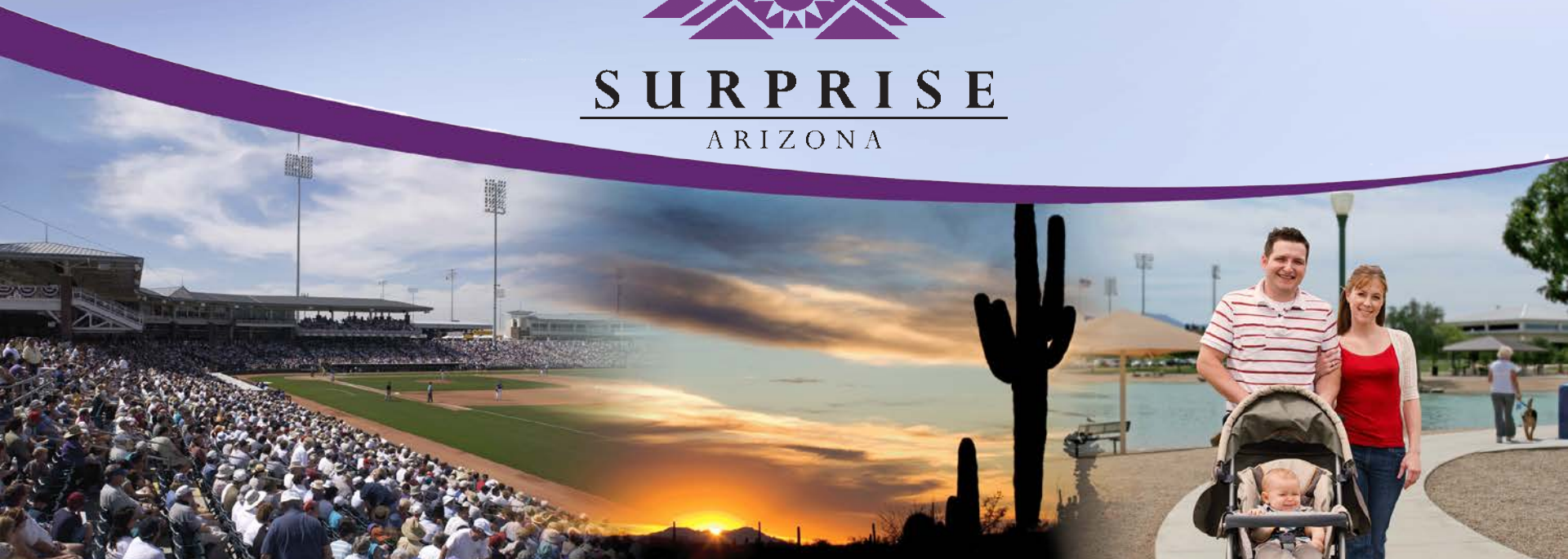
FS15-315

City Council

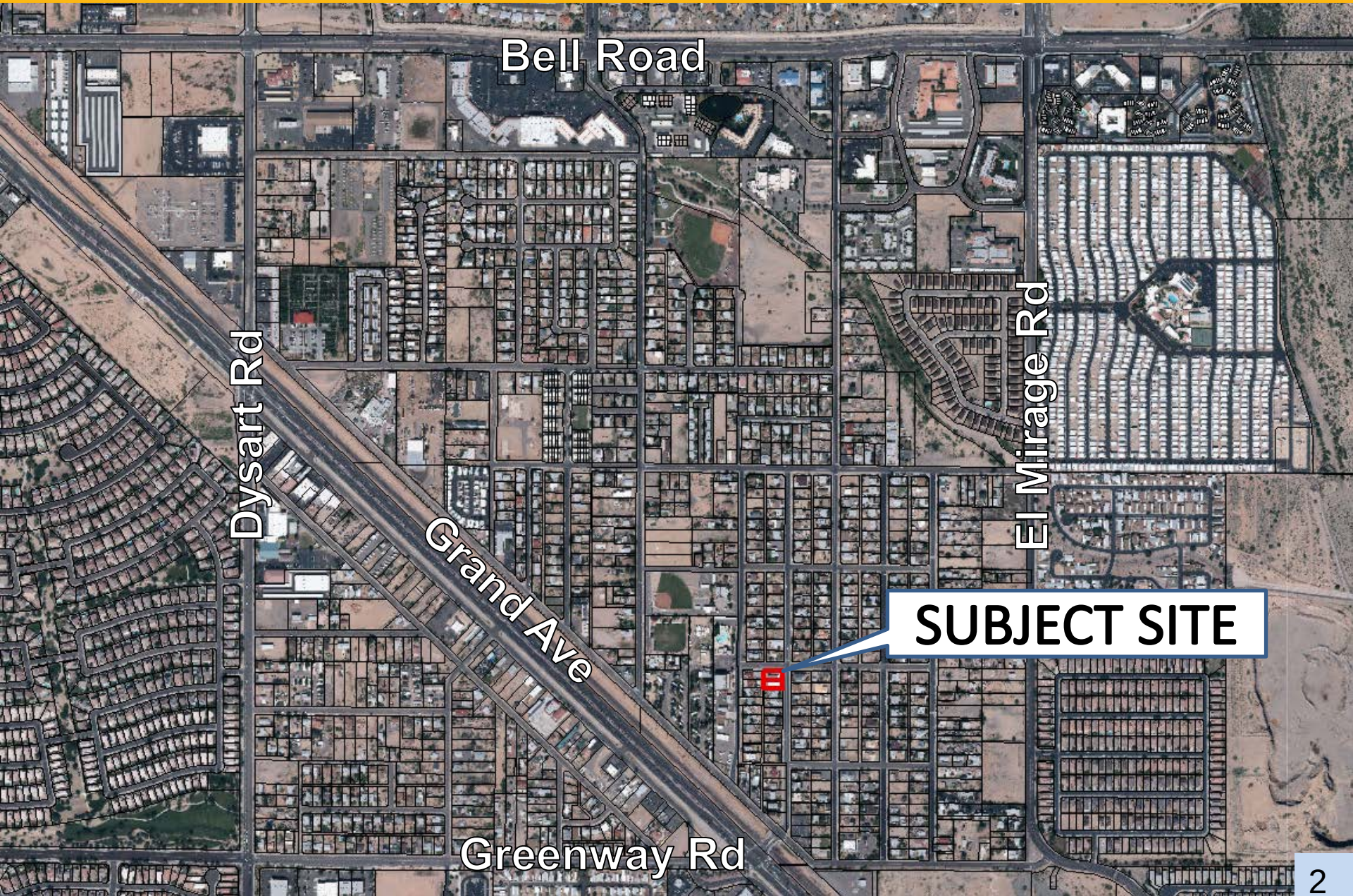
April 5, 2016



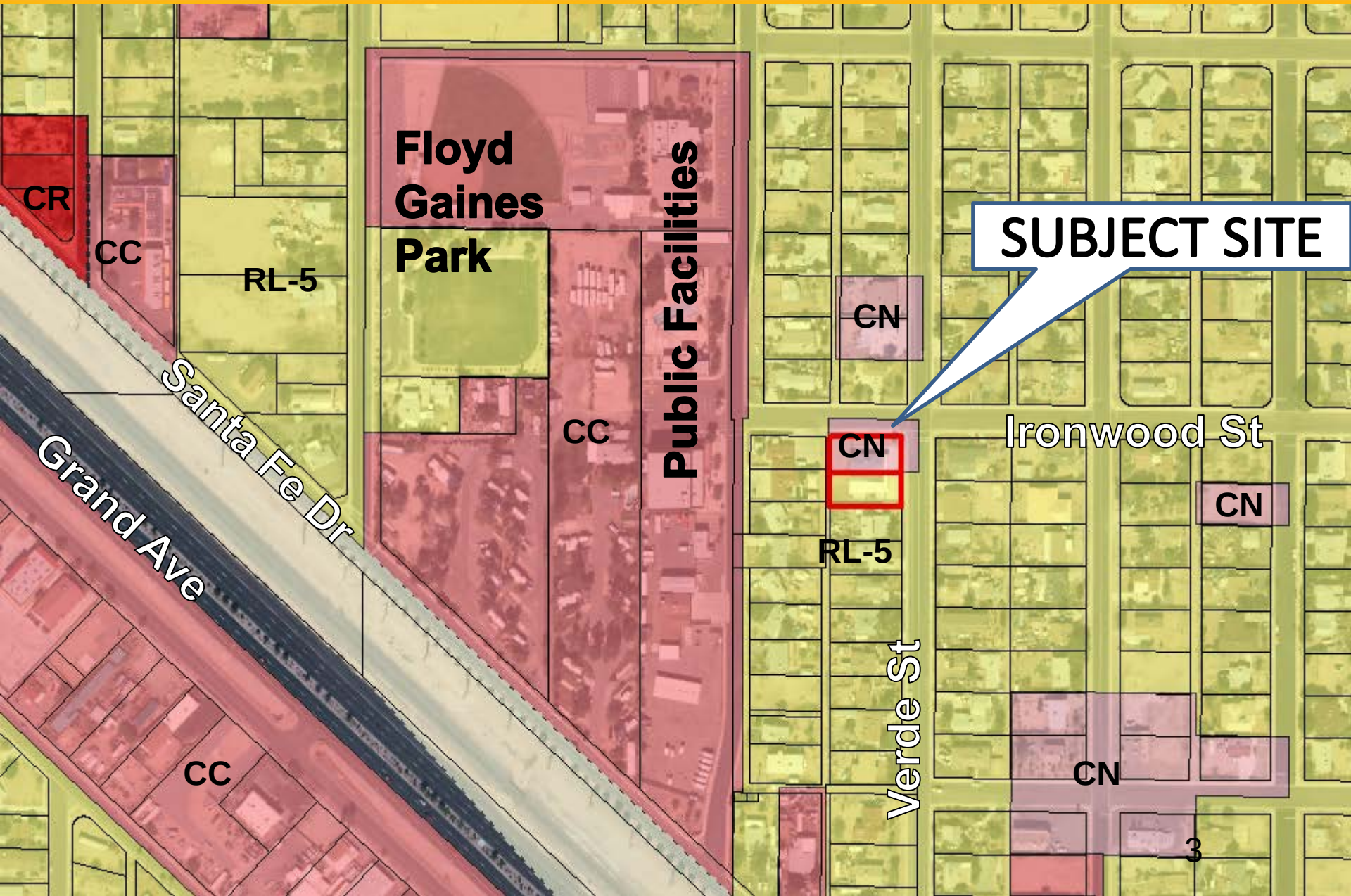
SURPRISE
ARIZONA



VICINITY MAP



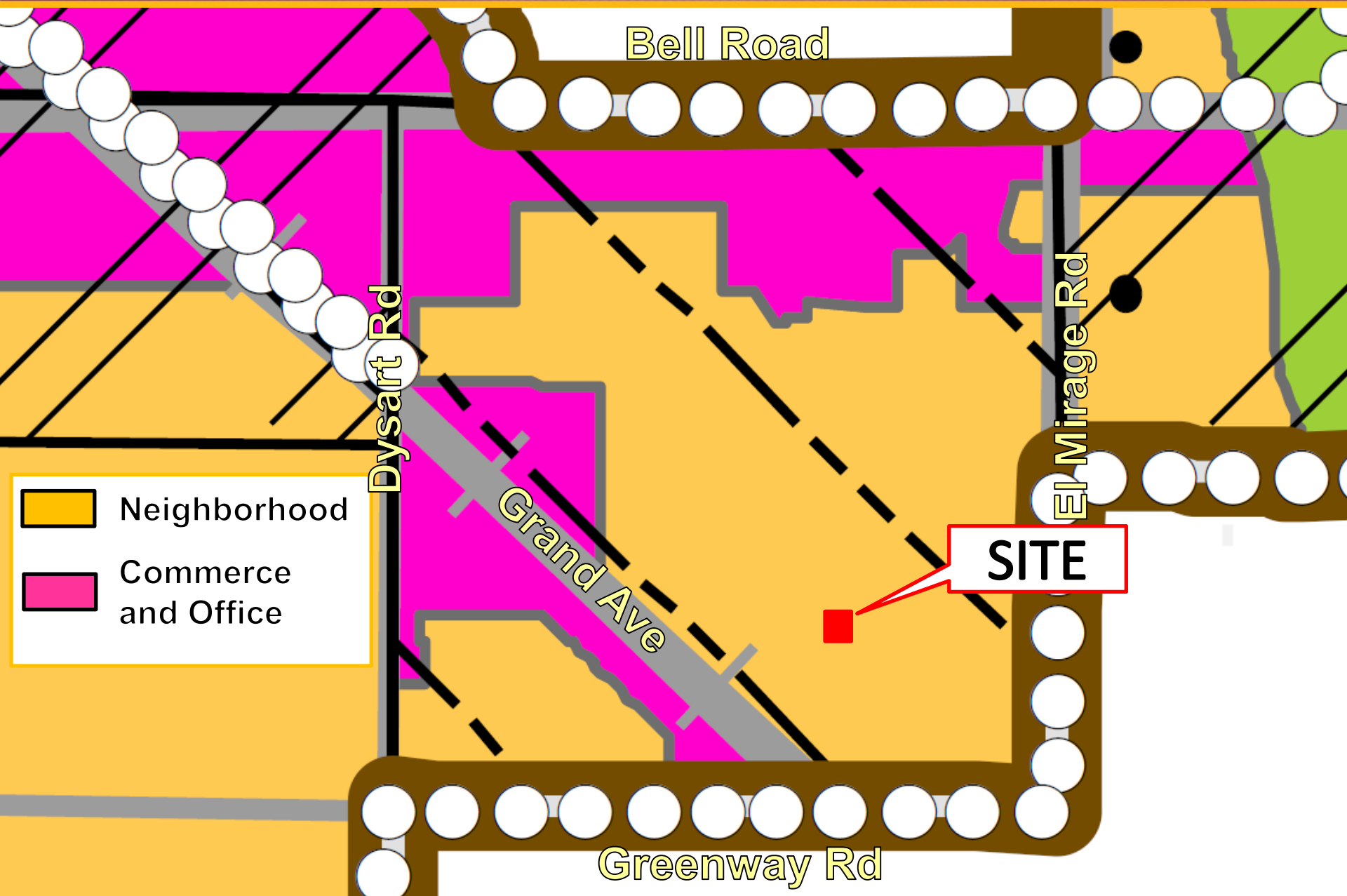
CASE MAP



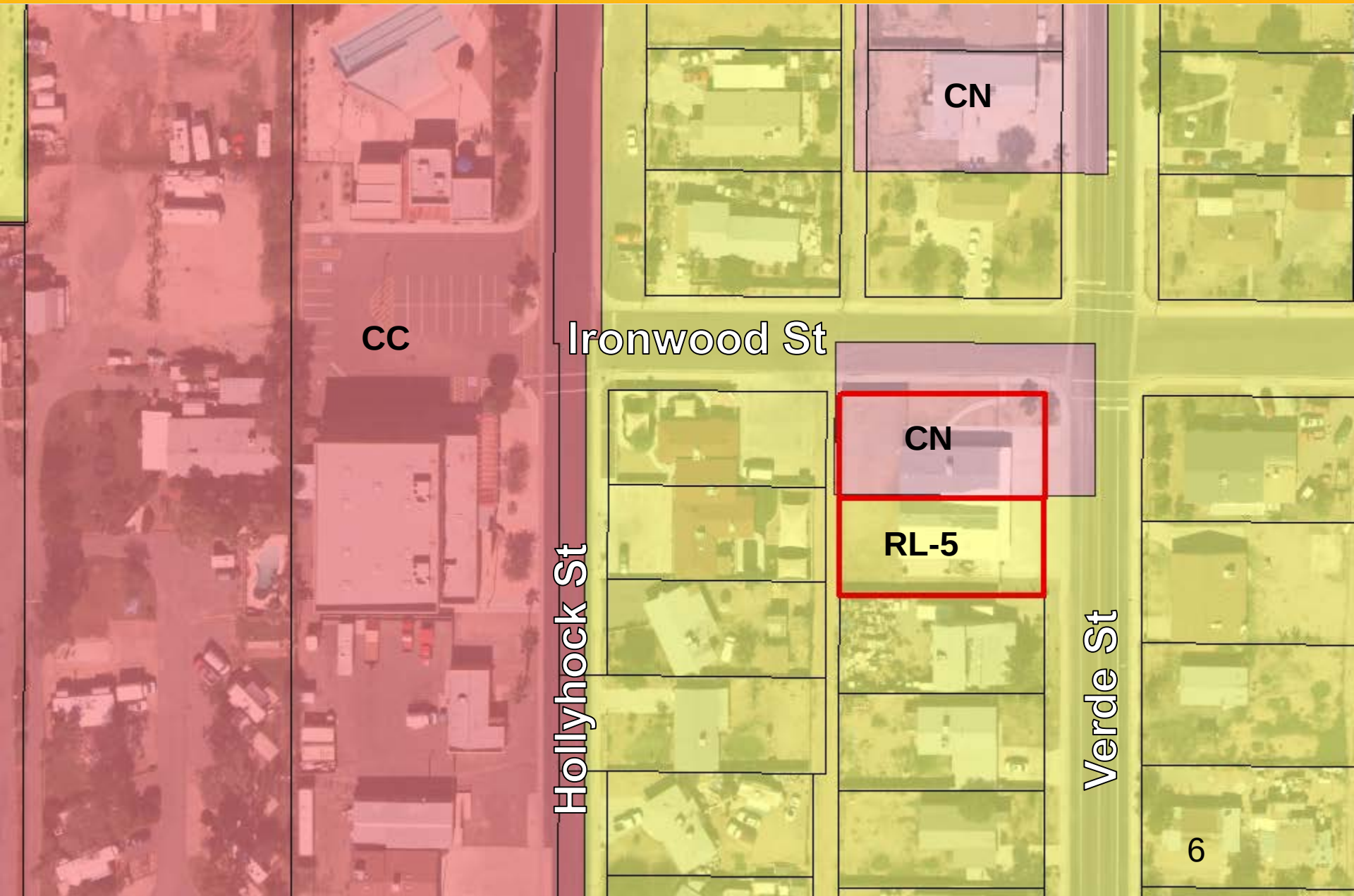
SITE MAP



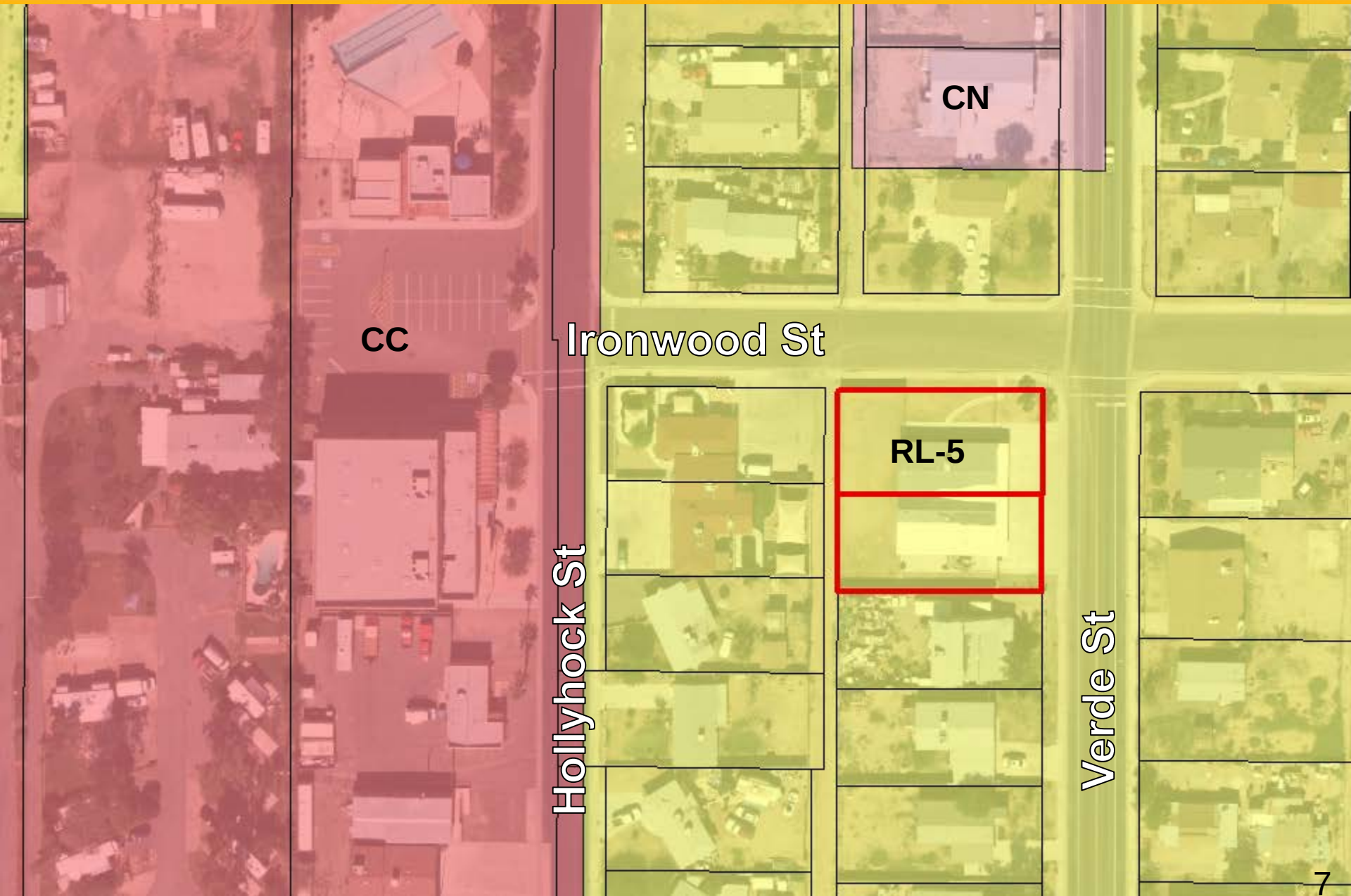
General Plan Land Use



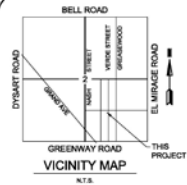
Current Zoning



Proposed Zoning



AN ASSEMBLAGE OF
LOTS 9 & 10, T.W FELTNER SUBDIVISION,
RECORDED IN BOOK 99 OF MAPS, PAGE 33, M.C.R.
 BEING
A PORTION OF THE SOUTHEAST QUARTER OF SECTION 2,
TOWNSHIP 3 NORTH, RANGE 1 WEST,
OF THE GILA AND SALT RIVER BASE AND MERIDIAN,
MARICOPA COUNTY,
CITY OF SURPRISE, ARIZONA.

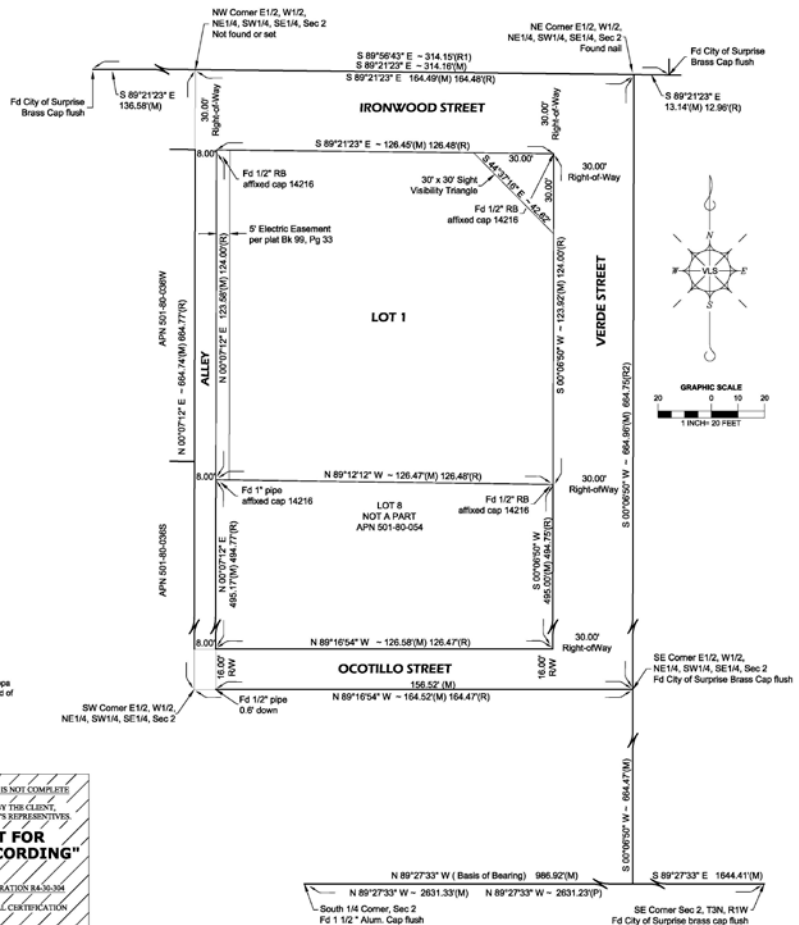


NOTICE: CERTIFICATION OF THIS SURVEY/PLAN IS NOT COMPLETE
THIS SURVEY IS SUBJECT TO FINAL REVIEW BY THE CLIENT,
GOVERNMENT AGENCIES, AND/OR THE CLIENT'S REPRESENTATIVES.

**"PRELIMINARY-NOT FOR
CONSTRUCTION OR RECORDING"**

ARIZONA STATE BOARD OF TECHNICAL REGISTRATION R4-30-304

THIS STATEMENT WILL BE REMOVED UPON FINAL CERTIFICATION
SIGNATURE



REVISION	SURVEYED BY:
2015/10/19 City Comments	K. Doward
2015/12/15 City Comments	DRAWN BY: J.N. Vaughn
2016/01/26 City Comments	CHECKED BY: J.N. Vaughn

VAUGHN LAND SURVEYING INC.
INCORPORATED IN TEXAS

P.O. Box 2011
 Mesia, AZ 85777-0111
 Ph (480) 921-1565
 Fax (480) 921-1567

Phoenix and East Valley: (480) 921-1565
 Casa Grande - (520) 316-0400
 Buckeye - (623) 364-2888

**Subdivision
Plat**
Section 2
Township 3 North
Range 1 West
OF THE G. & S.R. B. & M.
COCONA COUNTY, ARIZONA
www.VaughtnLS.com

DATE: March 3, 2015
FILE: 2207 Church.DWG
TAB: Plot
JOB: VLS4 2207

SHEET
2 OF 2

- Outreach meeting on October 22, 2015
- Two neighbors attended to support
- No opposition known

- Public hearing on March 3, 2016
- A member of the public had concerns regarding possible loud music during late hours.

**Commission Recommendation:
Approve the Rezone Case FS15-367**

Questions or Comments?

ORDINANCE 2016-02

AN ORDINANCE OF THE MAYOR AND COUNCIL OF THE CITY OF SURPRISE, ARIZONA, APPROVING A REZONE FROM NEIGHBORHOOD COMMERCIAL/RESIDENTIAL LOW DENSITY 5DU/AC SPLIT ZONING TO ENTIRELY RESIDENTIAL LOW DENSITY 5DU/AC FOR THE DOOR CHRISTIAN FELLOWSHIP LOCATED AT THE SOUTHWEST CORNER OF VERDE STREET AND IRONWOOD STREET.

WHEREAS, this Ordinance was properly noticed for public hearing and the necessary hearings and opportunity for public input were completed;

WHEREAS, the subject site is located at the southwest corner of Verde Street and Ironwood Street;

WHEREAS, the subject site is zoned as CN/RL-5 split zoning;

WHEREAS, the RL-5 zoning district is authorized by the Surprise Municipal Code §122-50, et.seq;

WHEREAS, the proposed use of the subject site requires modification of the applicable zoning regulations;

WHEREAS, the proposed Rezone satisfies the requirements set forth in Chapter 122 of the Surprise Municipal Code;

WHEREAS, this Rezone is in harmony with the purposes and intent of the Surprise General Plan; and

WHEREAS, on March 3, 2016, the Planning and Zoning Commission recommended approval of the application to rezone from CN/RL-5 split zoning to RL-5.

NOW, THEREFORE, BE IT ORDAINED by the Mayor and Council of the City of Surprise, Arizona, as follows:

Section 1. The parcel legally described and depicted on Exhibit A, is rezoned from Neighborhood Commercial/Residential Low Density 5du/Ac Split Zoning to entirely Residential Low Density 5du/Ac, without stipulation.

Section 2. Amendment of Zoning Map. The City of Surprise zoning map is herewith amended to reflect the change in districts referred to in Section 1 above.

Section 3. This Ordinance is not of a general and permanent nature and shall not be codified.

Section 4. Repeal of Conflicting Ordinances. All ordinances or parts of ordinances in conflict with the provisions of this ordinance or any part of the code adopted herein by reference are hereby repealed, upon the effective date of this Ordinance.

Section 5. Severability. If any section, subsection, sentence, clause, phrase or portion of this ordinance is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions thereof.

Section 6. Effective Date. This ordinance shall become effective at the time and in the manner prescribed by law.

PASSED AND ADOPTED this _____ day of _____, 2016.

Sharon R. Wolcott, Mayor

Attest:

Approved as to form:

Sherry Aguilar, City Clerk

Robert Wingo, City Attorney

EXHIBIT A



Buckeye, AZ (623) 332-8000 - Planchkpro@CenturyLink.net

A Rezone for

The Door Christian Fellowship
15646 N. Verde St. Surprise, AZ 85378

Address: 15646 N. Verde St. Surprise, AZ 85378

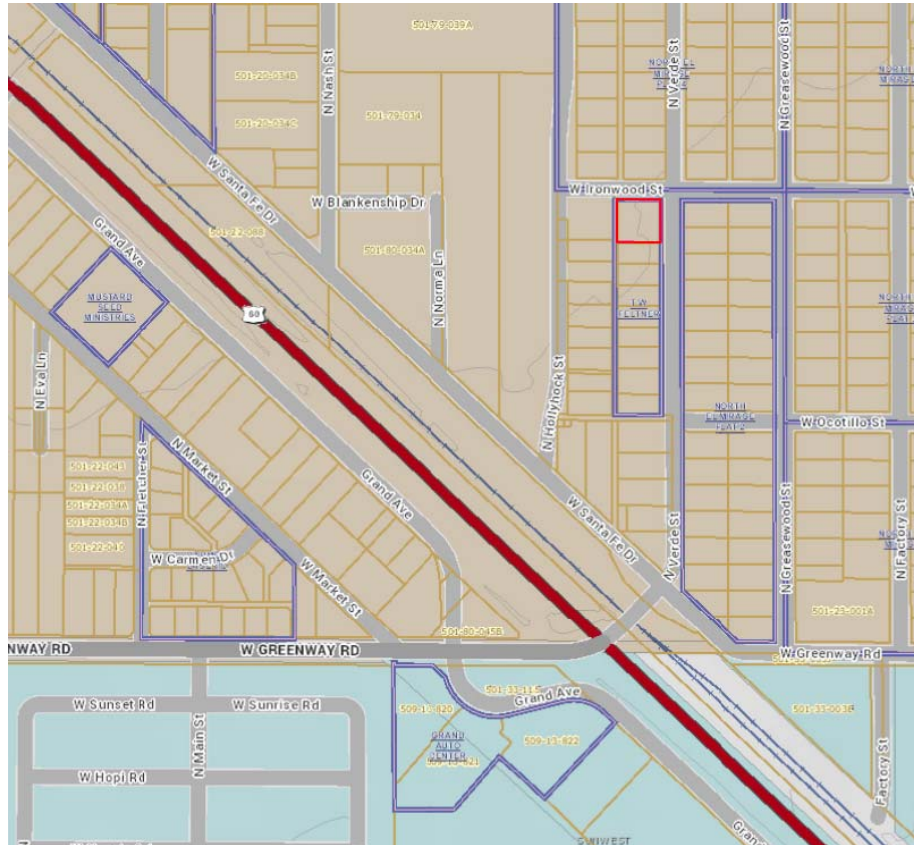
APN: 501-80-056A

Subdivision: T W FELTNER SUB MCR 99-33 LOTS 9 & 10

Lot: 10

RTS: 2 3N 1W

Vicinity Map



Legal Description

LOT 9 AND LOT 10 OF T.W. FELTNER SUBDIVISION AS RECORDED IN BOOK 99 OF MAPS, PAGE 33 OF RECORDS OF THE MARICOPA COUNTY ARIZONA RECORDER, BEING A PORTION OF THE SOUTHEAST QUARTER OF SECTION 2, TOWNSHIP 3 NORTH, RANGE 1

Prepared By David Johnson, Mayfair Design
6/3/15

WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF SAID LOT 10, MONUMENTED WITH A ONE HALF INCH REBAR AND CAP MARKED VAUGHN RLS 14216;

THENCE SOUTH 00 DEGREES 06 MINUTES 50 SECONDS WEST (AN ASSUMED BASIS OF BEARING), ALONG THE EAST LINE OF SAID LOT 10 AND LOT 9, A DISTANCE OF 123.92 FEET TO THE SOUTHEAST CORNER OF SAID LOT 9, MONUMENTED WITH A ONE HALF INCH REBAR AND CAP MARKED VAUGHN RLS 14216

THENCE NORTH 89 DEGREES 12 MINUTES 12 SECONDS WEST, ALONG THE SOUTH LINE OF SAID LOT 9, A DISTANCE OF 126.47 FEET, TO THE SOUTHWEST CORNER OF SAID LOT 9, MONUMENTED WITH A ONE INCH PIPE AND CAP MARKED VAUGHN RLS 14216;

THENCE NORTH 00 DEGREES 07 MINUTES 12 SECONDS EAST, ALONG THE WEST LINE OF SAID LOT 9 AND LOT 10, A DISTANCE OF 123.58 FEET TO THE NORTHWEST CORNER OF SAID LOT 10, MONUMENTED WITH A ONE HALF INCH REBAR AND CAP MARKED VAUGHN RLS 14216;

THENCE SOUTH 89 DEGREES 21 MINUTES 23 SECONDS EAST, ALONG THE NORTH LINE OF SAID LOT 10, A DISTANCE OF 126.45 FEET, TO THE POINT OF BEGINNING.

Surrounding Parcel Zoning

All parcels in direct proximity are currently zoned R1-5, low density residential. The neighborhood surrounding the project consists primarily of parcels zoned R1-5, low density residential.

The proposed zoning is compatible with the current zoning directly adjacent to the property and the other properties found in the neighborhood.

Rezone Compatibility With Land Uses In General Plan

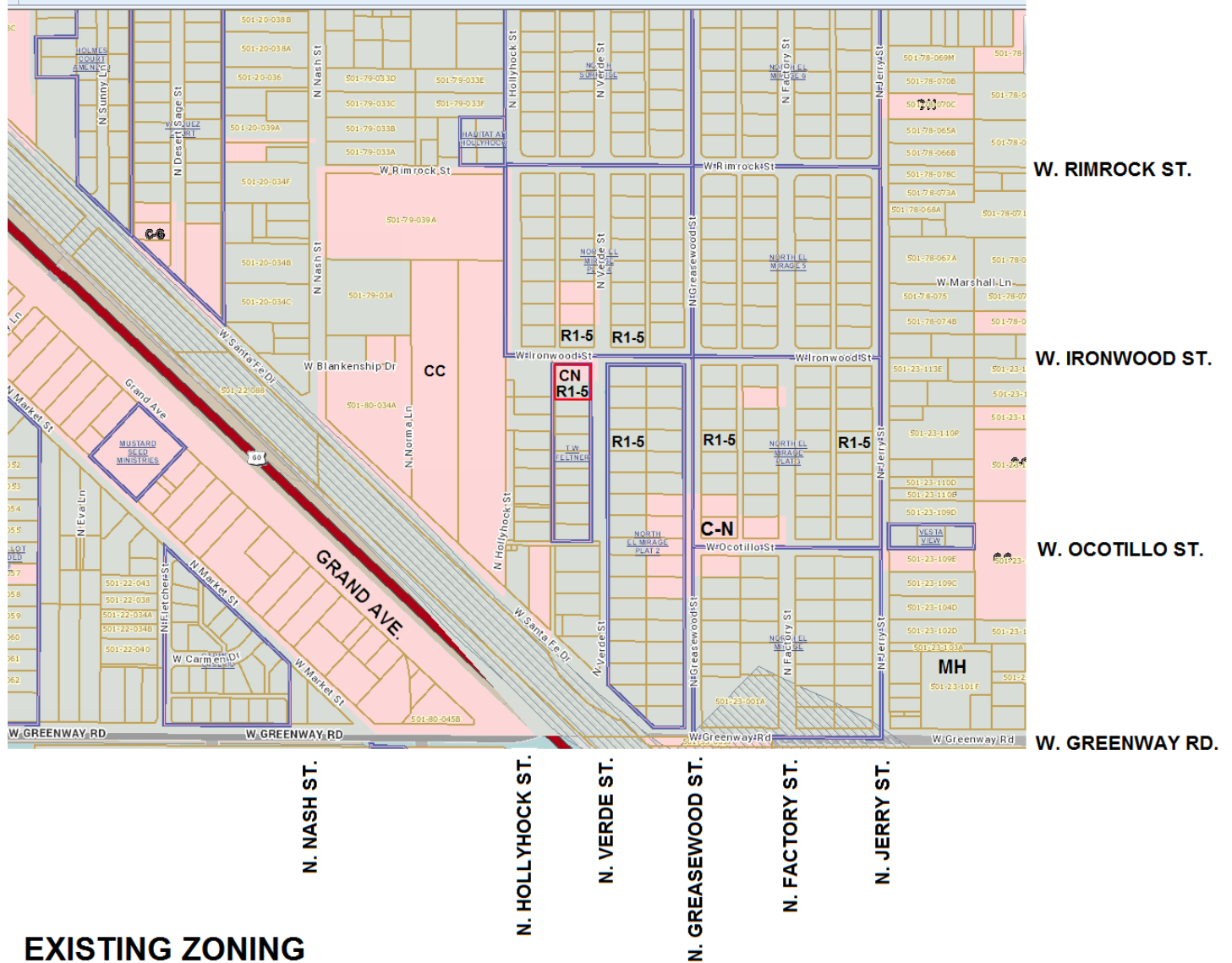
The rezoning of the parcel is in conformance and compatible with the General Plan Land Use requirements of low density residential.

General Plan Designation Within Three (3) Miles - Map



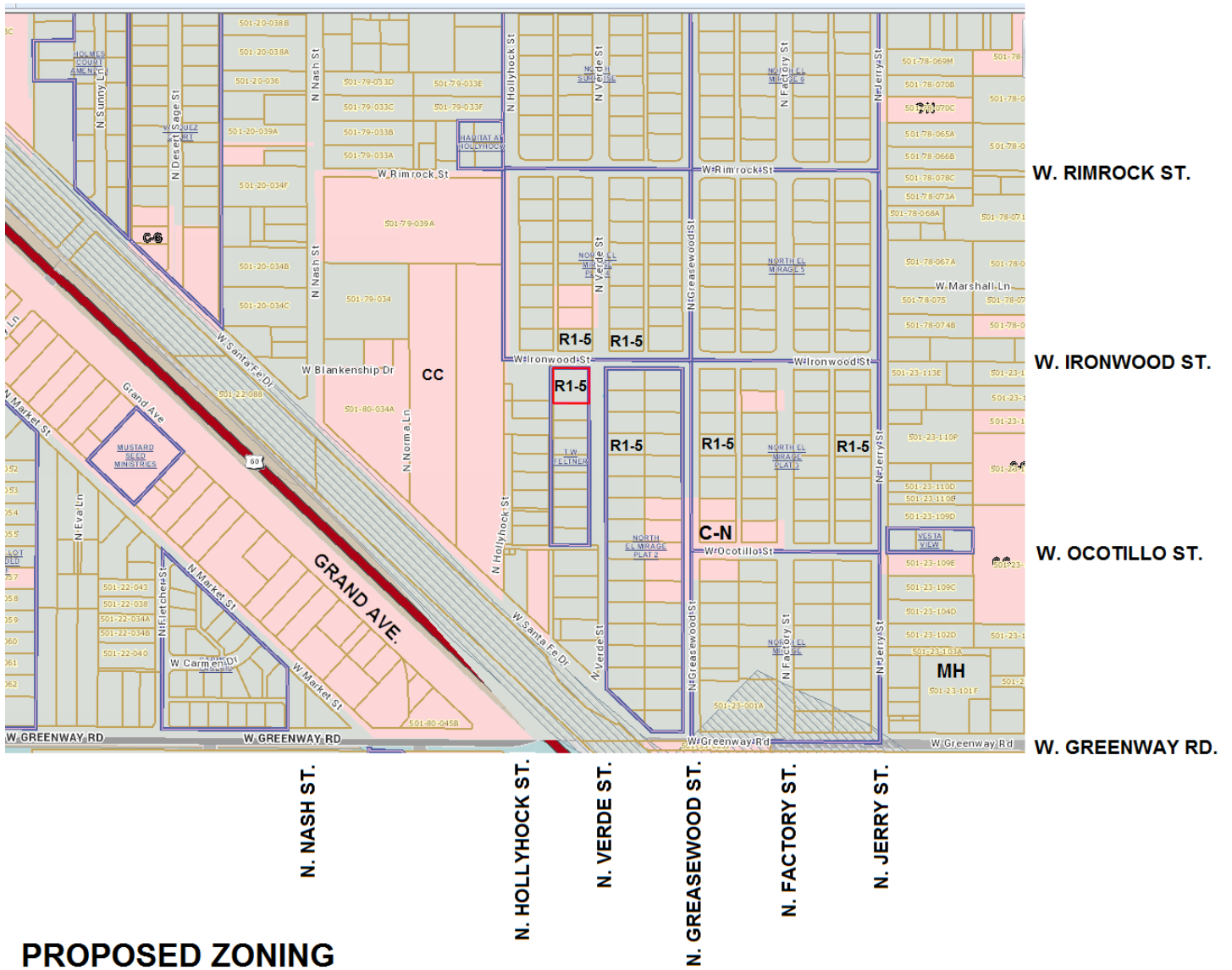
Prepared By David Johnson, Mayfair Design
6/3/15

Existing Zoning - Map



Proposed Zoning – Map

Prepared By David Johnson, Mayfair Design
6/3/15



Prepared By David Johnson, Mayfair Design
6/3/15



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

[Back](#) [Print](#)

Council Meeting Date:	April 5, 2016	Contact Person:	Sergio Angulo, Community Development
Submitting Department:	CD	District:	4
Staff Recommendations:	None		

Consent	Regular	Public Hearing	Report/Discussion
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Agenda Wording:

Consideration and action pertaining to the final plat entitled "The Door Christian Fellowship", a two lot .36 acre property generally located south of Ironwood Street and west of Verde Street in the Original Townsite.

Motion:

I move to approve the final plat entitled "The Door Christian Fellowship."

Background:

The applicant discussed with staff the possibility to use the subject property and existing building as a gathering place for youth functions and the Door Christian Fellowship facility. This meeting was followed by a concept review and a formal submittal for a Rezone and Final Plat for the property as outlined herein along with an associated Rezone. The Planning and Zoning Commission recommended approval of the proposed Rezone on March 3, 2016.

Objective Analysis:

The proposed Final Plat will bring the subject property into conformance and initiate development of said property.

Policy Compliant:

The proposed Final Plat is compliant with all City Policies.

Financial Impact:

All activity related to ongoing development of the City of Surprise has an economic and fiscal impact on the city and the region.

Budget Impact:

There is no anticipated budget impact related to this item.

FTE Impact:

This item does not have an impact on current staff levels.

ATTACHMENTS:

Click to download

- ☐ [00 - FS15-315 - The Door Christian Fellowship - Final Plat - Staff Report](#)
 - ☐ [01 - FS15-315 - The Door Christian Fellowship - Final Plat - Vicinity Map](#)
 - ☐ [02 - FS15-315 - The Door Christian Fellowship - Final Plat - Final Plat](#)
 - ☐ [04 - FS15-315 - The Door Christian Fellowship - Final Plat - Presentation](#)
-

1 **Case:** **FS15-315**
2 **Project Name:** **The Door Christian Fellowship**
3 **Council District:** **4**
4 **City Council Date:** **April 5, 2016**
5 **Planner:** **Sergio Angulo, Planner 1**

6 **Owner:** The Door Christian Fellowship
7 **Applicant:** Jaime Duarte

8 **Request:** Re-Plat of the T.W. Feltner Subdivision to combine lots 9 and 10 into
9 one (1) parcel of approximately 0.36 acres.

10 **Site Location:** Generally south of Ironwood Street and west of Verde Street in the
11 Original Townsite.

12 **Site Size:** 15,648 square feet; 0.36 acres (approx.)

13 **Density:** 2-5 DU/Ac

14 **Findings:**

- 15 • The proposed Final Plat is consistent with the Surprise General Plan 2035.
16 • The proposed Final Plat is consistent with the Surprise Municipal Code.

17 **Staff**

18 **Recommendation:** **None**

19 **Additional Information:**

20 The subject parcel was part of the original incorporation of the Town of Surprise on December 12,
21 1960.

22
23 On February 9th, 1961 the Mayor and City Council approved the T.W. Feltner Subdivision.

24 **Project Description:**

25 The applicant is requesting a final plat approval to combine lots 9 and 10 of the T.W. Feltner
26 Subdivision. Lot 9 is approximately 7,586 square feet and lot 10 is approximately 8,092 square feet.
27 If approved, the new combined lot will be approximately 15,648 square feet. There is an existing
28 unoccupied building on site which is located on both parcels with the property line running through
29 the middle of the building.

30 This final plat is in conjunction with a related rezone of lot 10 from CN/RL-5 split zoning to RL-5. The
31 Zone Change is discussed under separate cover; however, assuming the Council is comfortable with
32 approving the Zone Change, the Council may choose to approve the subject Final Plat.

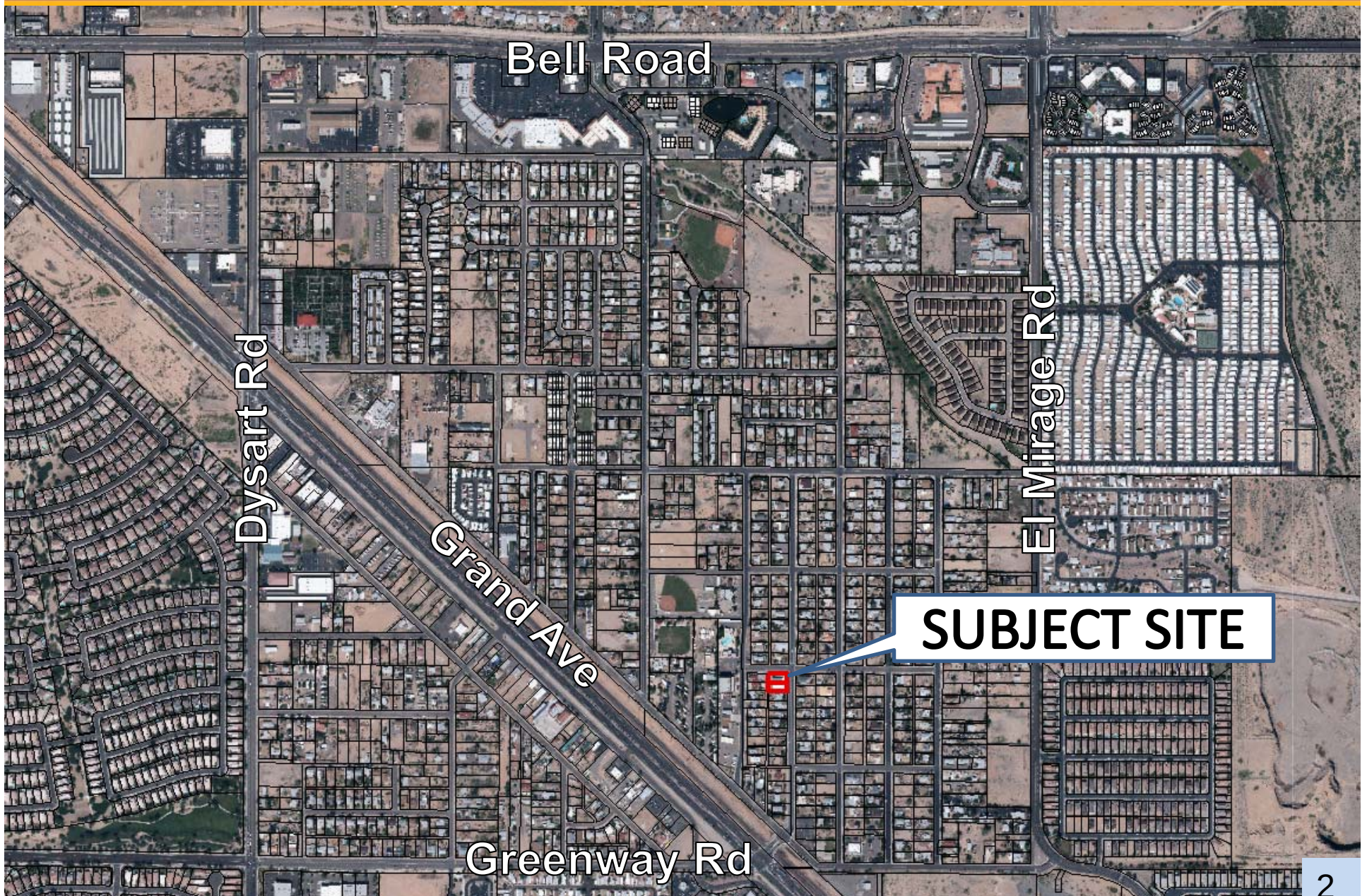
33 **Attachments:**

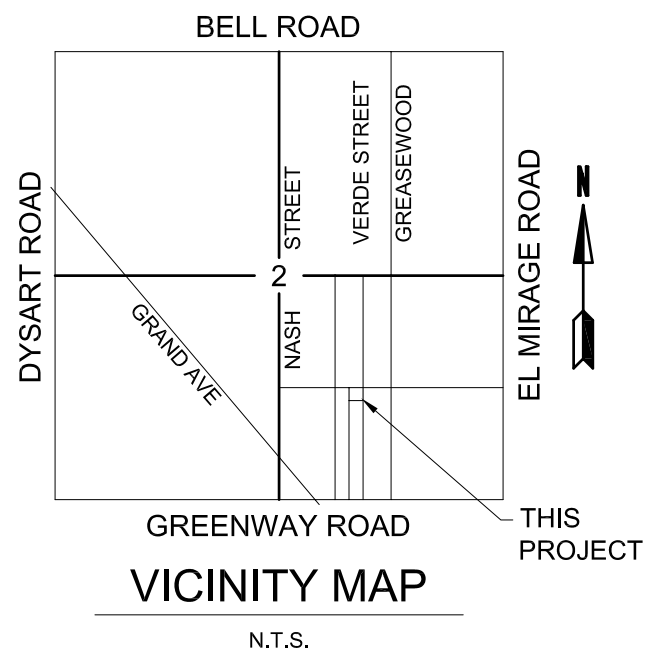
34 Final Plat (2 pages), Vicinity Map

35 **Enclosure:**

36 Sealed mylars (1 set)

VICINITY MAP





DEDICATION

STATE OF ARIZONA } SS
COUNTY OF MARICOPA

KNOW ALL PERSONS BY THESE PRESENTS: That THE DOOR CHRISTIAN FELLOWSHIP, Jaime Duarte, as Owner, has subdivided under the name of THE DOOR CHRISTIAN FELLOWSHIP, a subdivision located in a portion of Township 3 North, Range 1 West, being lots 9 and 10, T.W. FELTNER SUBDIVISION, as recorded in Book 99, Page 33, M.C.R., also being in a portion of the Southeast Quarter of Section 2, Township 3 North, Range 1 West, of the Gila and Salt River Base and Meridian, Maricopa County, Arizona, as shown and platted hereon and does hereby publish this plat as and for the plat of THE DOOR CHRISTIAN FELLOWSHIP, and declares that this plat sets forth the location and gives the dimensions of each lot, tract, street and easement constituting same and that each lot, tract, and street and easement shall be known by the number, letter and/or name given to each respectively as shown on this plat.

Owner hereby grants to the ultimate owner of each parcel created by this plat a cross access easement over, upon and across the entire plat for the purpose of providing continuous and uninterrupted ingress and egress to each parcel created by this plat.

Owner hereby grants to the United States of America Department of the Air Force ("USAF") an Avigation Easement over and across this plat and every lot and parcel thereof, which easement shall include, but not be limited to, the right of flight of aircraft over this plat, together with its attendant noise, vibration, fumes, dust, fuel and lubricant particles, and all other effects that may be caused by the operation of aircraft landing at, or taking off from, or operating at or on Luke Air Force Base and auxiliary field.

The maintenance of landscaping within the open spaces, landscaped tracts, retention basins, and parks shall be the responsibility of the owner or the homeowner's association formed by the owner.

The maintenance of landscaping within the adjacent public rights-of-way, including landscaped medians within collectors and local streets and landscaped areas between the curb and the detached sidewalk shall be the responsibility of the adjacent property owner or the property association formed by the adjacent property.

All improvements, for streets and public utilities owned and operated by the city, installed or constructed by owner within the public rights-of-way, the easements, or any tracts or parcels hereby dedicated to the City of Surprise shall be deemed to have been dedicated by owner to the city upon their completion; however, such transfer shall not occur until the City Council for the City of Surprise manifests its acceptance by formal council action.

IN WITNESS WHEREOF, owner has hereunto caused his name to be signed.

_____ day of _____, 2016.

Jaime Duarte

ACKNOWLEDGMENTS

STATE OF ARIZONA } SS
COUNTY OF MARICOPA

On this _____ day of _____, 2016, before me, the undersigned Notary

Public, appeared Jaime Duarte who acknowledged himself as owner, and that he, as

owner, executed this instrument for the purposes herein contained.

IN WITNESS WHEREOF: I hereunto set my hand and official seal.

My Commission Expires:

Notary Public

THE DOOR CHRISTIAN FELLOWSHIP

AN ASSEMBLAGE OF
LOTS 9 & 10, T.W FELTNER SUBDIVISION,
RECORDED IN BOOK 99 OF MAPS, PAGE 33, M.C.R.
BEING
A PORTION OF THE SOUTHEAST QUARTER OF SECTION 2,
TOWNSHIP 3 NORTH, RANGE 1 WEST,
OF THE GILA AND SALT RIVER BASE AND MERIDIAN,
MARICOPA COUNTY,
CITY OF SURPRISE, ARIZONA.

PUBLIC NOTICE

THE LOTS DEPICTED ON THIS PLAT ARE LOCATED WITHIN THE VICINITY OF LUKE AIR FORCE BASE AND MAY BE SUBJECT TO OVERFLIGHTS BY JET AIRCRAFT. ALL STRUCTURES WITHIN THIS PLAT SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE SOUND ATTENUATION STANDARDS ADOPTED BY THE CITY OF SURPRISE. A MAP DEPICTING THE MOST CURRENT ADOPTED MAG NOISE CONTOURS IN RELATION TO THIS PLAT SHALL BE DISPLAYED IN ALL SALES OFFICES. ADDITIONAL INFORMATION MAY BE OBTAINED BY CONTACTING THE CITY OF SURPRISE COMMUNITY DEVELOPMENT DEPARTMENT.

RELEASE OF LIABILITY

JAIME DUARTE (OWNER) DOES HEREBY (1) RELEASE AND DISCHARGE THE USAF AND THE CITY OF SURPRISE, AND (2) INDEMNIFY, DEFEND, AND HOLD HARMLESS THE CITY OF SURPRISE OF AND FROM ANY LIABILITY FOR ANY AND ALL CLAIMS FOR DAMAGES OF ANY KIND TO PERSONS OR PROPERTY THAT MAY ARISE AT ANY TIME IN THE FUTURE OVER, OR IN CONNECTION WITH AIRCRAFT OVERFLIGHTS FROM AIRCRAFT UTILIZING LUKE AIR FORCE BASE, WHETHER SUCH DAMAGE SHALL ORIGINATE FROM NOISE, VIBRATION, FUMES, DUST, FUEL AND LUBRICANT PARTICLES, AND ALL OTHER EFFECTS THAT MAY BE CAUSED BY THE OPERATION OF AIRCRAFT LANDING AT, OR TAKING OFF FROM, OR OPERATING AT OR ON LUKE AIR FORCE BASE. THIS INSTRUMENT SHALL RUN WITH THE LAND AND BE BINDING UPON OWNER AND ITS HEIRS, ASSIGNS, AND SUCCESSORS IN INTEREST TO THIS PLAT OR ANY PARCEL OR LOT THEREOF. THIS INSTRUMENT DOES NOT RELEASE THE USAF FROM LIABILITY FOR DAMAGE OR INJURY TO PERSON OR PROPERTY CAUSED BY FALLING AIRCRAFT OR FALLING PHYSICAL OBJECTS FROM AIRCRAFT, EXCEPT AS STATED HEREIN WITH RESPECT TO NOISE, FUMES, DUST, FUEL, AND LUBRICANT PARTICLES.

APPROVALS

CITY OF SURPRISE ENGINEER APPROVAL

DATA ON THIS PLAT REVIEWED AND APPROVED THIS _____ DAY OF _____, 2016.
BY THE CITY ENGINEER OF SURPRISE, ARIZONA

APPROVED: _____
CITY ENGINEER DATE

CITY OF SURPRISE COUNCIL APPROVAL

CITY OF SURPRISE COUNCIL APPROVAL

APPROVED BY THE CITY COUNCIL OF THE CITY OF SURPRISE, ARIZONA.
THIS _____ DAY OF _____, 2016.

MAYOR DATE

ATTEST:

CITY CLERK DATE

NOTES

- 1 No permanent structure of any kind shall be constructed on, over, or placed within easements. It shall be further understood that the City of Surprise shall not be required to replace any obstructions or planting that must be removed during the course of maintenance, construction, or reconstruction of City utilities.
- 2 All new or relocated utilities will be placed underground.
- 3 Structures and landscaping within a triangle measuring 30'x30' along the property lines shall be maintained at a maximum height of 30".
- 4 The Developer of this project has obtained a certificate of assured water supply from the Arizona Department of Water Resources dated ____N/A_____.
- 5 Found 1/2" Rebar at each lot corner unless otherwise noted.
- 6 Measurements shown hereon are measured or fall within acceptable tolerances as defined by the "Arizona Boundary Survey Minimum Standards" unless otherwise noted.
- 7 Each lot is permitted one dwelling unit.
- 8 Development standards as per Rezone Case FS15-315 unless otherwise subsequently amended.
- 9 No structure of any kind shall be constructed or any vegetation be planted nor be allowed to grow within the drainage easement which would impede the flow of water over, under, or through the easement. The City of Surprise may, if it so desires, construct and/or maintain drainage facilities on or under the land in the easement.
- 10 The property owners, or any subsequent owners shall not proceed with any on site grading or excavation without first obtaining a permit from the City of Surprise Engineering Department.
- 11 The property is located within an area having flood zone "X", by the Federal Emergency Management Agency, on Flood Insurance Rate Map No. 04013C1240L, with a date of identification of October 16, 2013, for community no. 040053, in Maricopa County, State of Arizona, which is the current Flood Insurance Rate Map for the community in which said property is situated.
- 12 Pursuant to A.R.S. 42-11102, the City of Surprise, a political subdivision of the State of Arizona, is exempt from all taxes and assessments based on assessed value except for special districts #14751 and #14710, when applicable.
- 13 In accordance with A.R.S. 9-461.07, the City of Surprise has determined that all dedications occurring with this Plat are in conformance with the Surprise General Plan.

AREA

Area of Lot 1
15,648 square feet ± or 0.36 acres ±

OWNER/DEVELOPER

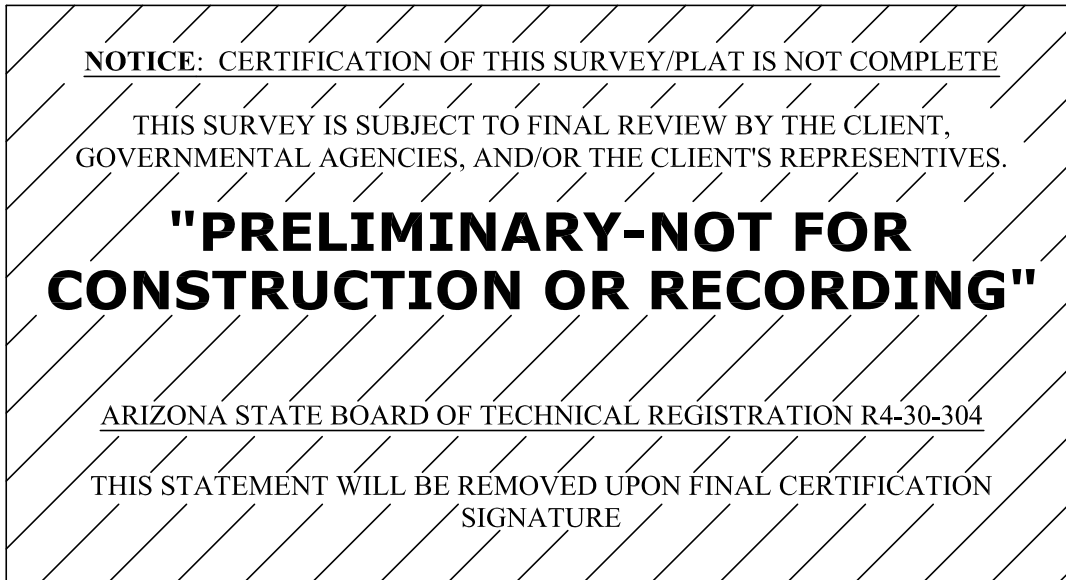
Jaime Duarte
12751 W. Bell Rd # 109
Surprise, AZ 85374
(623) 640-8814

SURVEYOR

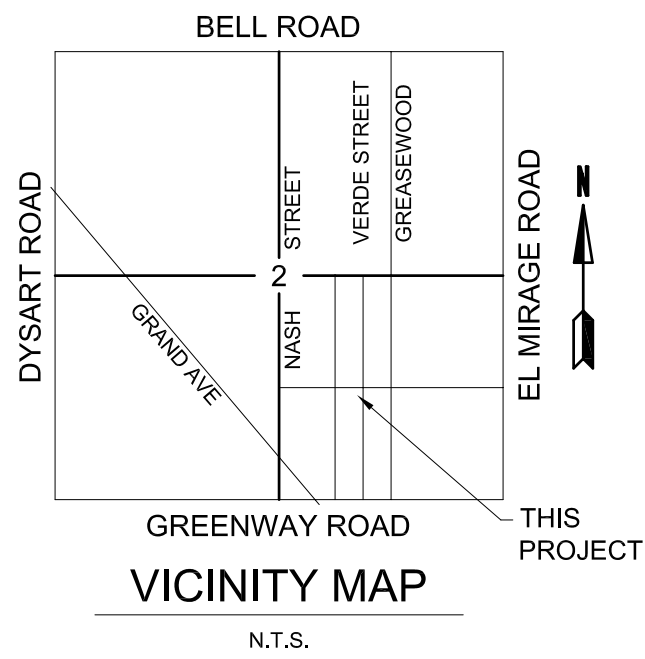
Vaughn Land Surveying, Inc.
Mesa, AZ 85277-0111
Phone: 480-921-1565
Fax: 480-921-1567

LEGEND

- | | |
|--------|----------------------------------|
| A.P.N. | Assessor Parcel Number |
| M.C.R. | Maricopa County Records |
| R.L.S. | Registered Land Surveyor |
| (M) | Measured |
| (R) | Record (see reference materials) |



REVISION	SURVEYED BY: K. Dewerd	2015/10/19 City Comments
	DRAWN BY: J.N. Vaughn	2015/12/15 City Comments
	CHECKED BY: J.N. Vaughn	2016/01/26 City Comments
Vaughn Land Surveying Inc. COMMITMENT 2013 & Beyond	Phoenix and East Valley- (480) 921-1565 Casa Grande - (520) 316-0400 Buckeye - (623) 386-2388	
	P.O. Box 20111 Mesa, AZ 85277-0111 Ph (480) 921-1565 Fax (480) 921-1567	
Subdivision Plat Section 2 Township 3 North Range 1 West OF THE G & S.R. B. & M. MARICOPA COUNTY, ARIZONA www.VaughnLS.com		
DATE: March 3, 2015		
FILE: 2207 Church.DWG		
TAB: Plat		
JOB: VLS# 2207		
SHEET 1 OF 2		



THE DOOR CHRISTIAN FELLOWSHIP

AN ASSEMBLAGE OF
LOTS 9 & 10, T.W FELTNER SUBDIVISION,
RECORDED IN BOOK 99 OF MAPS, PAGE 33, M.C.R.
BEING
A PORTION OF THE SOUTHEAST QUARTER OF SECTION 2,
TOWNSHIP 3 NORTH, RANGE 1 WEST,
OF THE GILA AND SALT RIVER BASE AND MERIDIAN,
MARICOPA COUNTY,
CITY OF SURPRISE, ARIZONA.

ORIGINAL PARCEL DESCRIPTION

LOTS 9 AND 10 AS PER THE PLAT OF "T.W. FELTNER SUBDIVISION" AS RECORDED IN BOOK 99 OF MAPS, PAGE 33, M.C.R..

NEW PARCEL DESCRIPTION

LOT 9 AND LOT 10 OF T.W. FELTNER SUBDIVISION AS RECORDED IN BOOK 99 OF MAPS, PAGE 33 OF RECORDS OF THE MARICOPA COUNTY ARIZONA RECORDER, BEING A PORTION OF THE SOUTHEAST QUARTER OF SECTION 2, TOWNSHIP 3 NORTH, RANGE 1 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA.

CERTIFICATION

I, Jay N. Vaughn, hereby certify that I am a Registered Land Surveyor in the State of Arizona; that this map, consisting of 2 sheets, correctly represents a survey done under my supervision during the month of February, 2015, that the survey is true and complete as shown; that the monuments shown actually exist as shown or will be set; that their positions are correct and accurate as shown; and that said monuments are sufficient to enable the survey to be retraced.

Registered Land Surveyor
Jay N. Vaughn
P.O. Box 20111
Mesa, Arizona 85277
Reg. No. 14216



Date

BASIS OF BEARING

The Basis of Bearing is the South Line of the Southeast Quarter of Section 2, Township 3 North, Range 1 West, of the G&SRM, Maricopa County Arizona being South 89°27'48" East as shown on the Record of Survey, recorded in Book 688 of Maps, Page 41, M.C.R.

REFERENCE MATERIALS

- (R1) RECORD OF SURVEY
BOOK 1080 OF MAPS, PAGE 42, M.C.R.

LOT ONE OF FREEDOM CHURCH INTERNATIONAL
BOOK 962 OF MAPS, PAGE 24, M.C.R.

(R) T.W. FELTNER SUBDIVISION
BOOK 99 OF MAPS, PAGE 33, M.C.R.

NORTH EL MIRAGE PLAT 4
BOOK 55 OF MAPS, PAGE 34, M.C.R.

(R2) NORTH EL MIRAGE PLAT 2
BOOK 49 OF MAPS, PAGE 50, M.C.R.

RECORD OF SURVEY
BOOK 668 OF MAPS, PAGE 41, M.C.R.

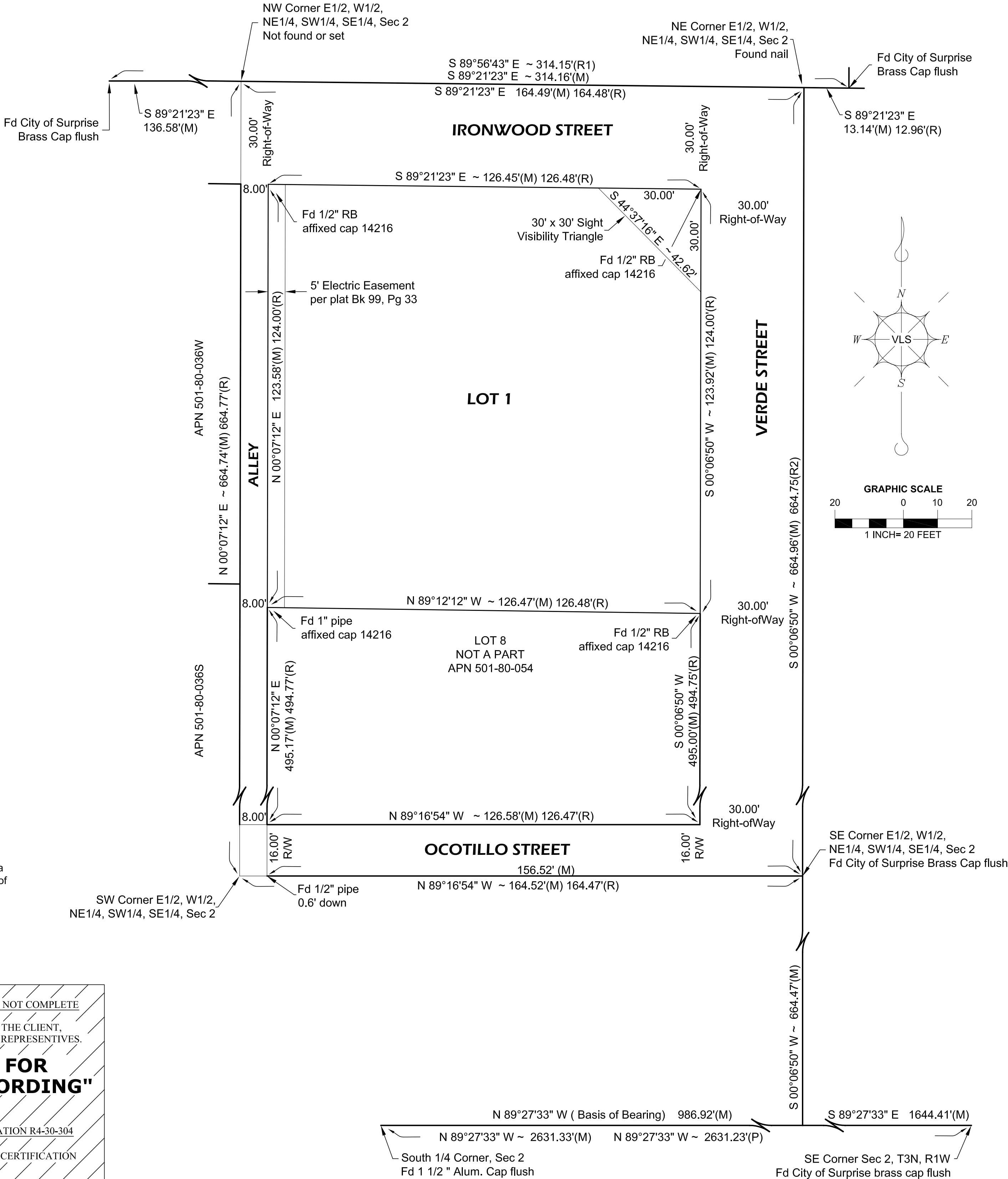
NOTICE: CERTIFICATION OF THIS SURVEY/PLAT IS NOT COMPLETE

THIS SURVEY IS SUBJECT TO FINAL REVIEW BY THE CLIENT,
GOVERNMENTAL AGENCIES, AND/OR THE CLIENT'S REPRESENTATIVES.

**"PRELIMINARY-NOT FOR
CONSTRUCTION OR RECORDING"**

ARIZONA STATE BOARD OF TECHNICAL REGISTRATION R4-30-304

THIS STATEMENT WILL BE REMOVED UPON FINAL CERTIFICATION
SIGNATURE



VAUGHN LAND SURVEYING INC.

Phoenix and East Valley - (480) 921-1565
Casa Grande - (520) 316-0400
Buckeye - (623) 386-2388

P.O. Box 20111
Mesa, AZ 85277-0111
Ph (480) 921-1565
Fax (480) 921-1567

**Subdivision
Plat**
Section 2
Township 3 North
Range 1 West
OF THE G & S.R. B. & M.
MARICOPA COUNTY, ARIZONA
www.VaughnLS.com

DATE: March 3, 2015

FILE: 2207 Church.DWG

TAB: Plat

JOB: VLS# 2207

SHEET
2 OF 2

Rezone & Final Plat

The Door Christian Fellowship

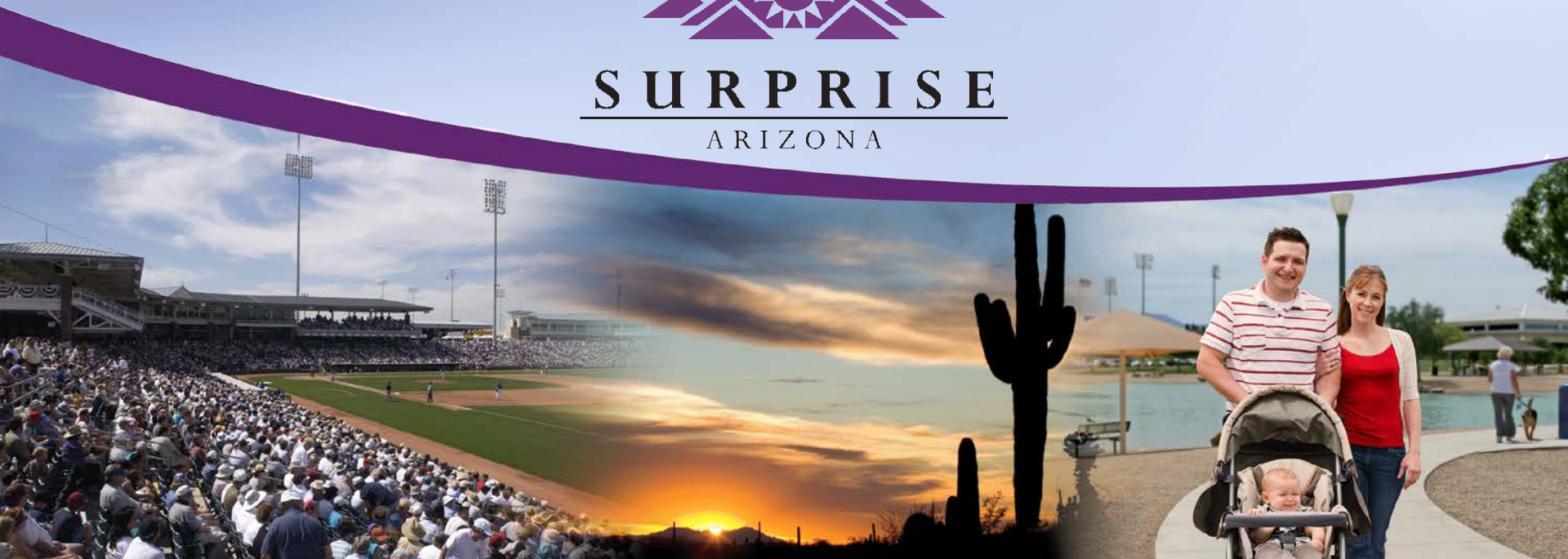
FS15-315

City Council

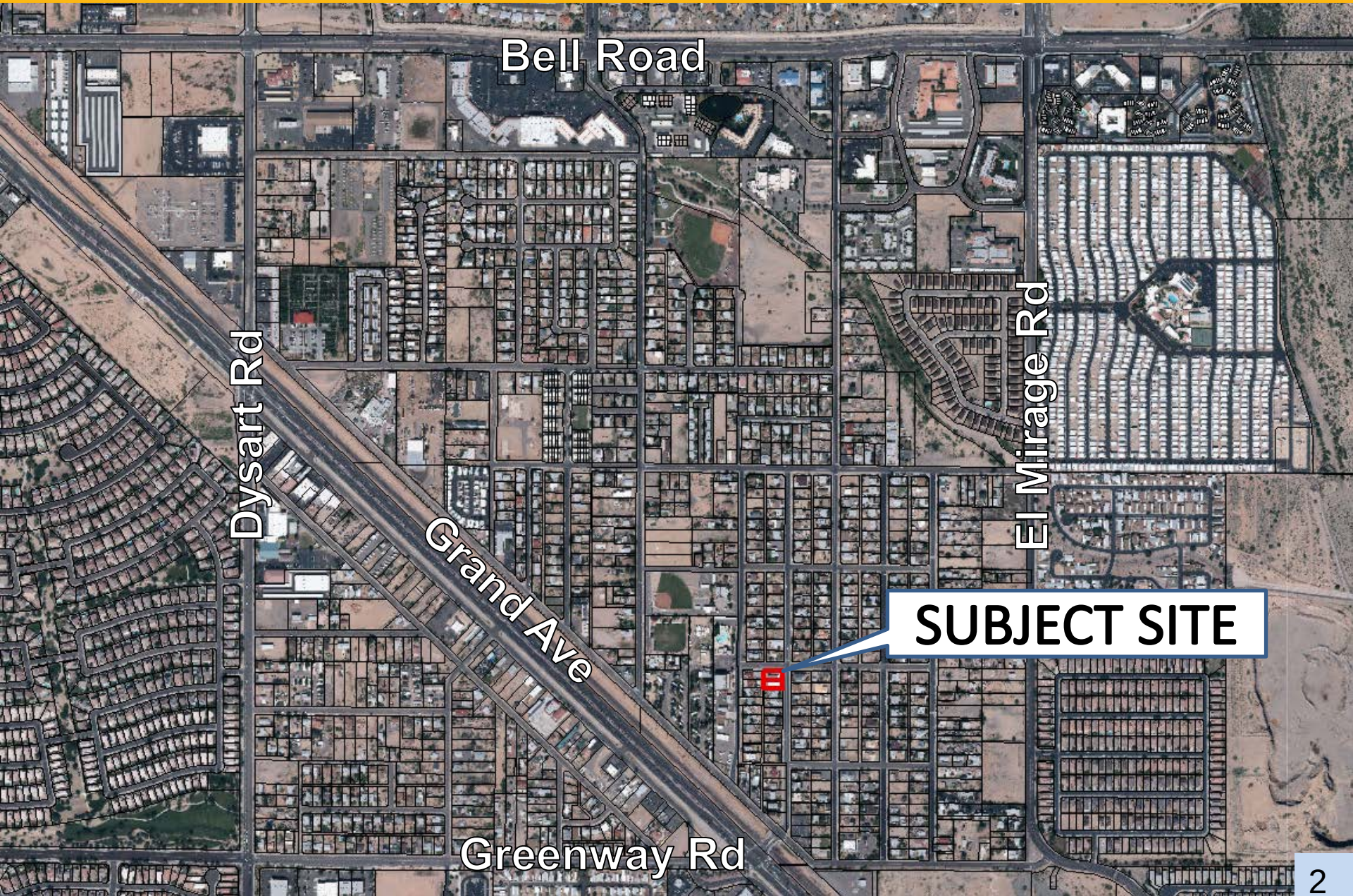
April 5, 2016



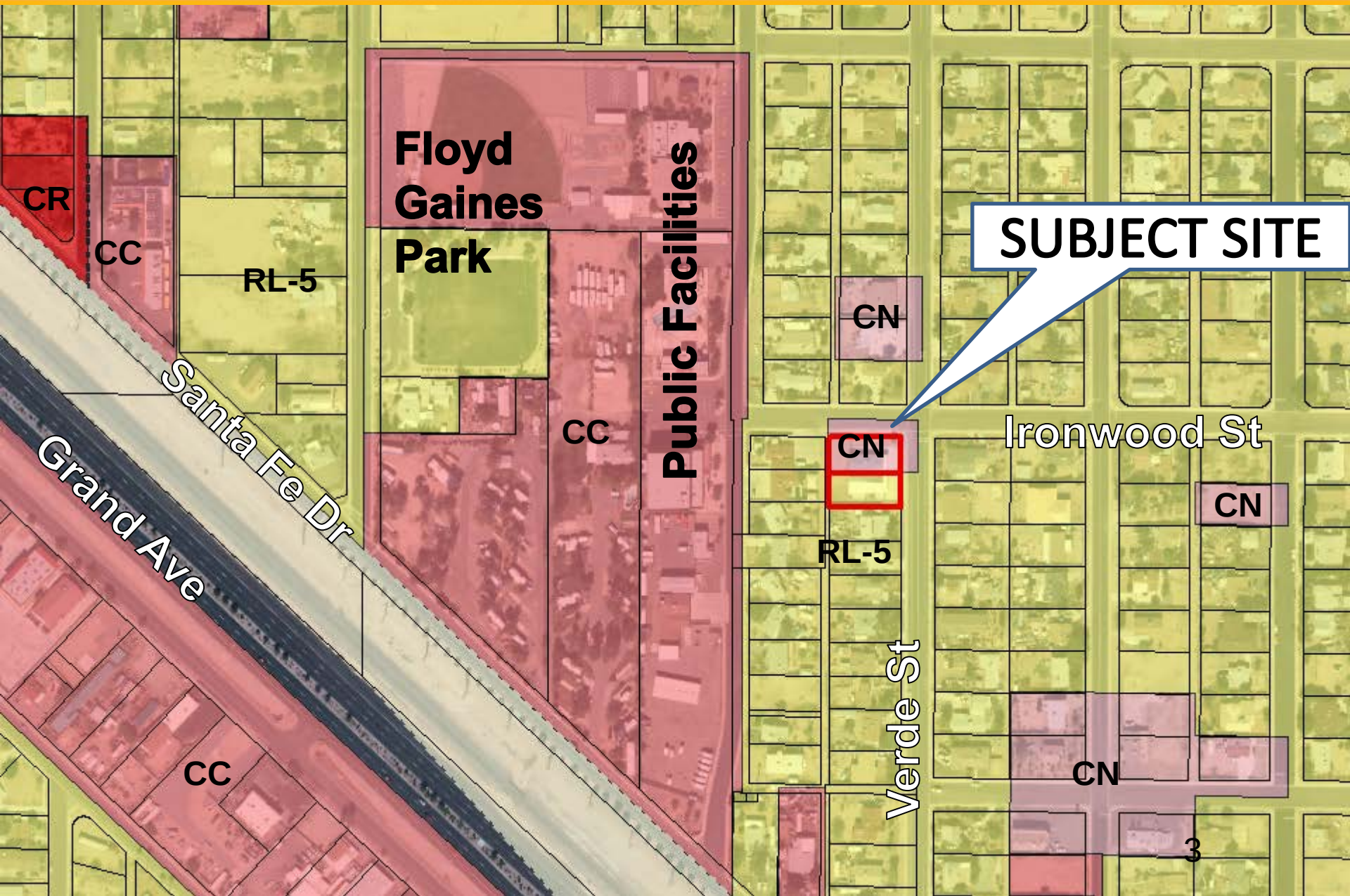
SURPRISE
ARIZONA



VICINITY MAP



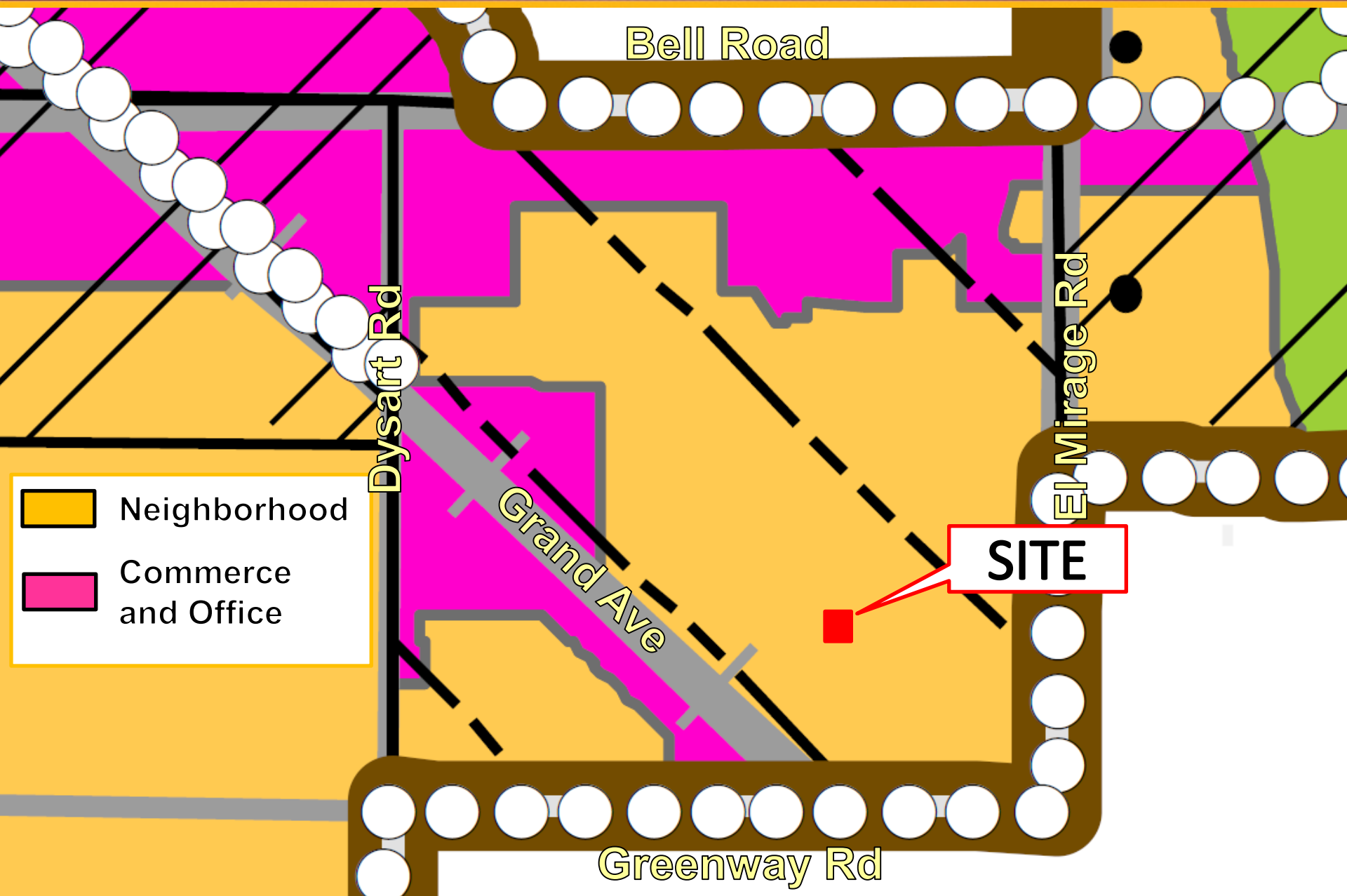
CASE MAP



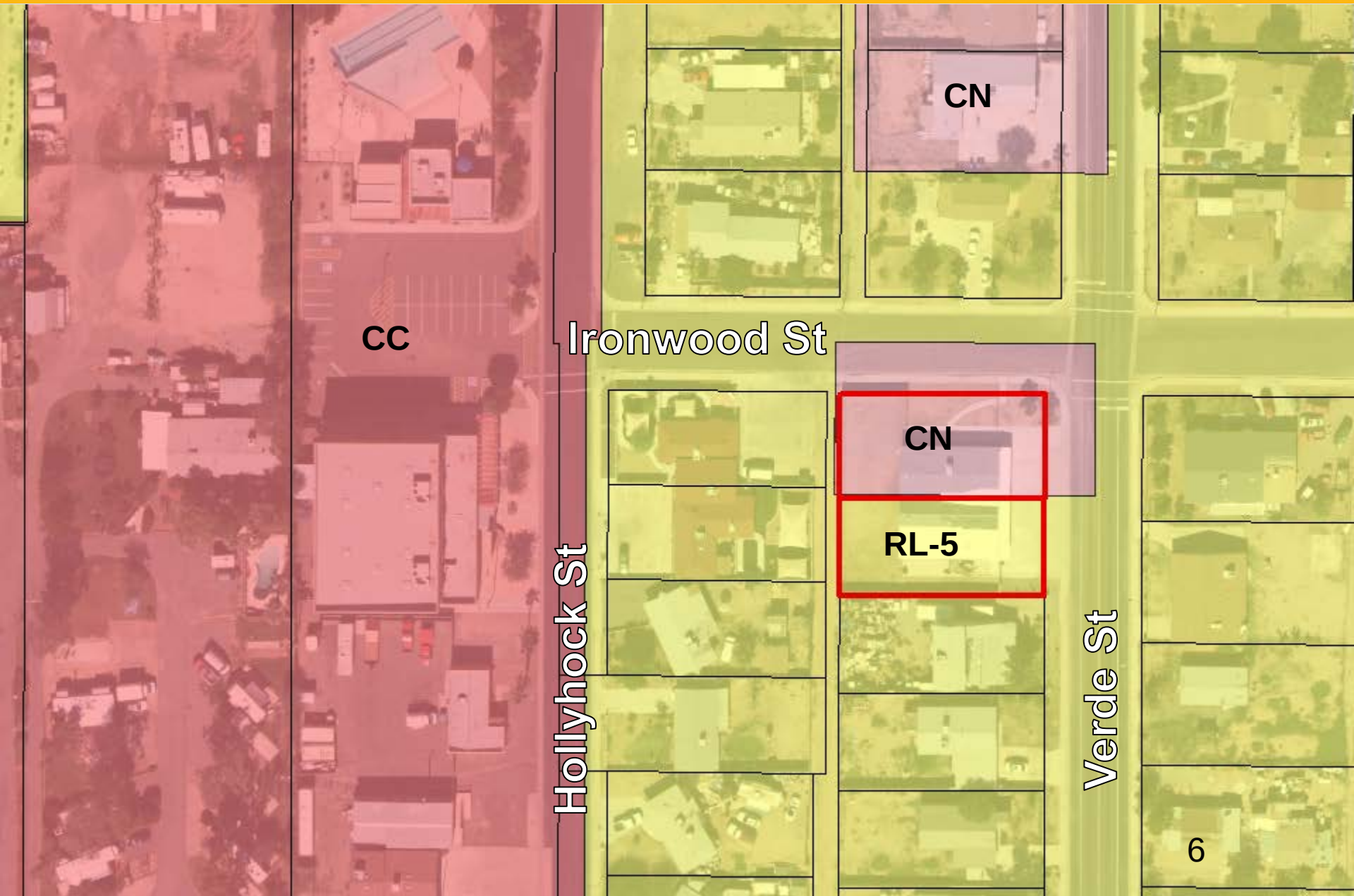
SITE MAP



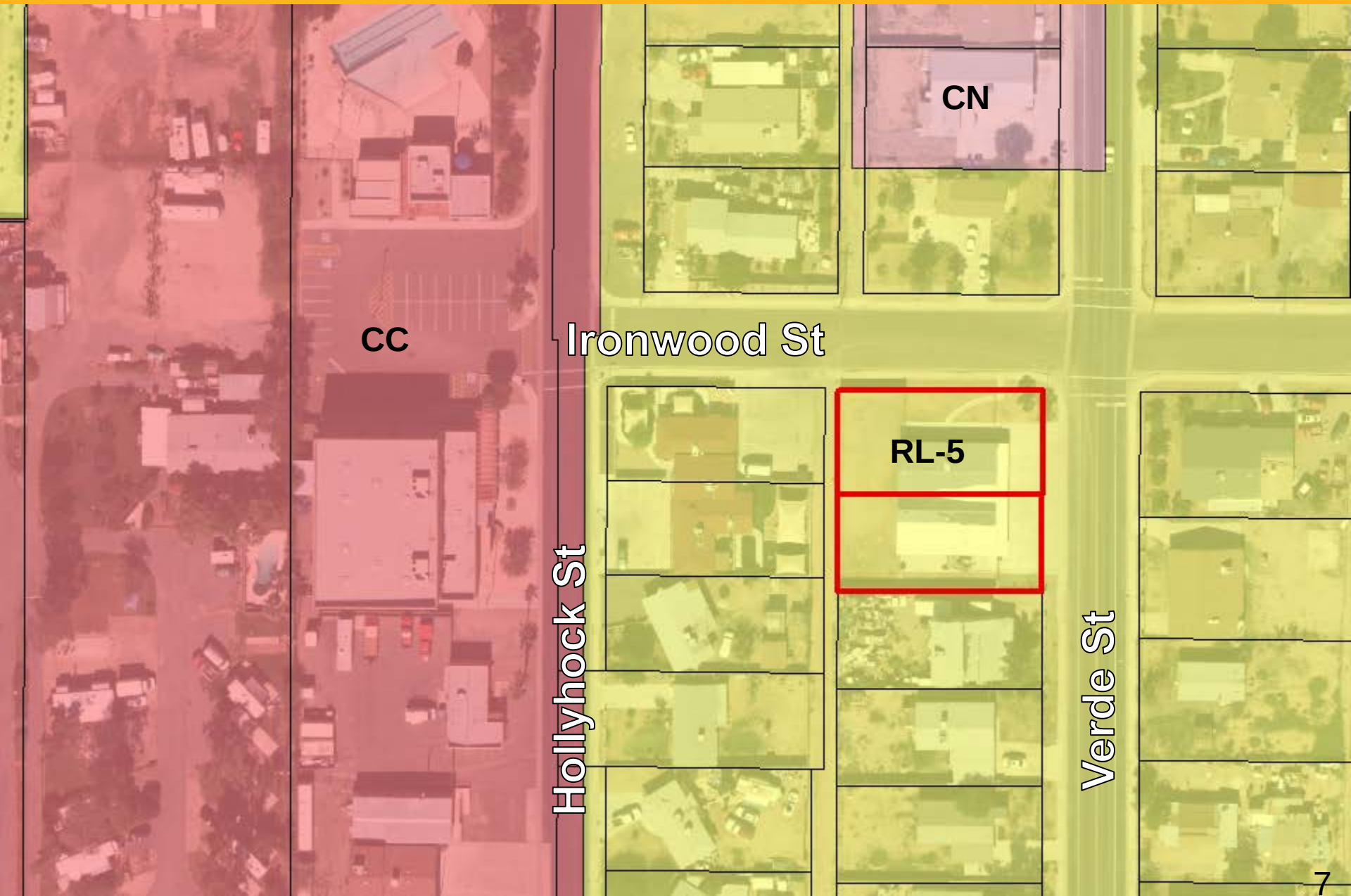
General Plan Land Use



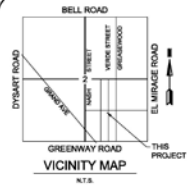
Current Zoning



Proposed Zoning



AN ASSEMBLAGE OF
LOTS 9 & 10, T.W FELTNER SUBDIVISION,
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 BEING
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TOWNSHIP 3 NORTH, RANGE 1 WEST,
OF THE GILA AND SALT RIVER BASE AND MERIDIAN,
MARICOPA COUNTY,
CITY OF SURPRISE, ARIZONA.



SHEET
2 OF 2

- Outreach meeting on October 22, 2015
- Two neighbors attended to support
- No opposition known

- Public hearing on March 3, 2016
- A member of the public had concerns regarding possible loud music during late hours.

**Commission Recommendation:
Approve the Rezone Case FS15-367**

Questions or Comments?



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

[Back](#) [Print](#)

Council Meeting Date:	April 5, 2016	Contact Person:	Rick Buss, Assistant City Manager
Submitting Department:	City Mgr	District:	4
Staff Recommendations:	None		

Consent	Regular	Public Hearing	Report/Discussion
---------	---------	----------------	-------------------

Agenda Wording:

Consideration and Action authorizing the City Manager and Mayor to execute the First Amendment to the 2009 Intergovernmental Agreement for Water Service by the City of El Mirage to the City of Surprise within the Original Townsite.

Motion:

I move to approve the First Amendment to the 2009 Intergovernmental Agreement for Water Service by the City of El Mirage to the City of Surprise within the Original Townsite.

Background:

The City of El Mirage is the water service provider in what is generally known as the City of Surprise Original Townsite (OTS). The City of Surprise is the provider of wastewater service, and as such receives and treats the wastewater to safe levels, which is then "recharged" back into an underground aquifer. The City of Surprise receives recharge credits for this process, while the City of El Mirage does not receive recharge credits.

In 2011, the City of El Mirage hired Red Oak Consulting to conduct a study to determine the cost of purchasing recharge credits as noted above. At that time, the City of El Mirage approached the City of Surprise requesting that a credit-for-credit barter arrangement be agreed upon, or that the City of Surprise pay the City of El Mirage directly for what they term as "lost credits." The City of Surprise chose not to pursue this option, and as a result, the City of El Mirage began including a recharge assessment to OTS customer bills. The monthly assessment ranges between \$10 and \$25 per customer per month.

Residents living in the OTS are the only Surprise residents currently paying a recharge assessment. To address this inequity, the City began discussions with El Mirage to transfer the billing from the OTS customers to the City. As of March 21, 2016, both cities have come to an agreement to amend the 2011 IGA to transfer billing from the OTS customers to the City.

Objective Analysis:

The main positive impact is the removal of the recharge cost burden from the OTS customers, saving an estimated \$10 to \$25 per month. The City will absorb this cost into its current operational budget.

The City continues to look towards the possible acquisition of the OTS water system and is currently awaiting the results of a study commissioned with an outside engineering firm to evaluate the condition, value, and operation of the system.

With approval of this addendum, OTS customers will no longer see assessments for the recharge credit, beginning with their April bill. In other words, March is the last month OTS customers will see this assessment on their monthly bill.

Policy Compliant:

This action is compliant with City Policy, Water Resource Management Policy, and Policy of Sustainability.

Financial Impact:

For FY2016, total payment to the City of El Mirage will be \$90,600. The total annual payment for FY2017 and beyond will be \$362,400.

Budget Impact:

For FY2016, the Water Operations Fund operating budget will absorb a total of \$90,600. The ongoing costs for future fiscal years will be included as part of the annual budget process.

FTE Impact:

There is no FTE impact.

ATTACHMENTS:

Click to download

- ☐ [First Amendment to 2009 IGA with El Mirage](#)
 - ☐ [Red Oak Study](#)
 - ☐ [PRESENTATION](#)
-

**FIRST AMENDMENT
TO THE
2009 INTERGOVERNMENTAL AGREEMENT
FOR WATER SERVICE BY THE CITY OF EL MIRAGE
TO THE CITY OF SURPRISE
WITHIN THE SURPRISE ORIGINAL TOWNSITE**

The City of Surprise (Surprise) and the City of El Mirage (El Mirage) entered into the above-referenced intergovernmental agreement (the "IGA") in 2009. El Mirage currently assesses a fee to Surprise businesses and residents within the City of El Mirage water service territory commonly referred to as the Surprise Original Townsite ("OTS") that could be assessed to the City of Surprise for the value of recharge water provided to the OTS and lost to the City of El Mirage. Surprise desires to be assessed directly for the value of recharge water and acknowledges that doing so will result in the suspension of OTS customers being billed for recharge water, and does not create discriminatory treatment. Therefore, the parties agree that the IGA is hereby amended as follows:

A. Paragraph 5.13 of the IGA is added as follows:

Effective for billings after April 30 2016, charges to customers of the El Mirage water system related to recharge water within the OTS shall be suspended for as long as Surprise is assessed directly. Effective for the April, 2016 billing cycle, El Mirage will begin charging Surprise for recharge water. Surprise will remit equal quarterly payments to El Mirage in an amount equal to twenty-five percent (25%) of the figure identified in the Red Oak Consulting Study Table 2 (page 4) dated August 26, 2011 adopted by the El Mirage City Council on November 10, 2011. Payment will be made to El Mirage within 30 days of receipt of an invoice from El Mirage. The terms of this amendment shall renew automatically for the following fiscal year unless either party gives written notice to the other prior to January 31. Time is of the essence in giving the notice to terminate.

Nothing in this amendment is intended to limit either party's rights as defined by law or the 2009 INTERGOVERNMENTAL AGREEMENT FOR WATER SERVICE BY THE CITY OF EL MIRAGE TO THE CITY OF SURPRISE WITHIN THE SURPRISE ORIGINAL TOWNSITE.

IN WITNESS WHEREOF, the parties, having been duly authorized by their respective governing bodies, have executed this Agreement on the dates set forth below.

CITY OF SURPRISE

CITY OF EL MIRAGE

Recommended by:

Recommended by:

Bob Wingenroth Date
City Manager

Spencer A. Isom Date
City Manager

Approved and Accepted by:

Approved and Accepted by:

Sharon Wolcott Date
Mayor

Lana Mook Date
Mayor

Approved as to form:

Robert Wingo Date
City Attorney

Attest by:

Sherry Aguilar Date
City Clerk

Approved as to form:

Robert Hall Date
City Attorney

Attest by:

Sharon Antes Date
City Clerk



City of El Mirage *City Manager's Office*

August 26, 2011

Mr. Chris Hillman
City Manager
City of Surprise
16000 N. Civic Center Plaza
Surprise, AZ 85374

Chris,

Pursuant to our previous discussions and according to Section 5.9 of the "Intergovernmental Agreement for Water Services by the City of El Mirage to the City of Surprise within the Surprise Original Townsite" (IGA), The City of El Mirage hired Red Oak Consulting to complete a cost of service study (fee study). Red Oak has completed its analysis and quantified the amount of the water provided by El Mirage to customers located within the Surprise Original Townsite. This water enters the Surprise sewer system and Red Oak has also determined the value of the associated water credits received by the City of Surprise as a result of this service arrangement. In order to appropriately compensate the City of El Mirage it is necessary to assess customers living in the Surprise Original Townsite the value of these "lost" water recharge credits. Please consider this letter as advance notice (not less than 30 days) of El Mirage's intent to commence charging Townsite customers an increased rate for water services consistent with Red Oak's findings and recommendations.

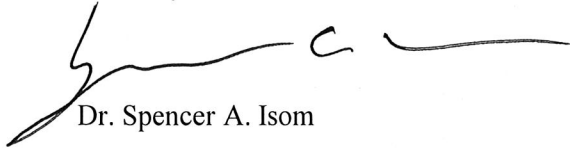
Red Oak's study was a cost of service study (fee study) to determine the cost/value of "lost" water recharge credits, which the City of Surprise has not shared previously with the City of El Mirage due to the City of Surprise treating and benefiting from wastewater effluent. Red Oak used the same winter quarterly averaging (January, February, and March) method the City of El Mirage uses to calculate sewer flows for its residents. By using this method, they determined the annual lost water recharge cost equates to \$240,217 for FY 11-12. Including the cost of the study increases the total cost for FY 2011-12 to \$252,617. Additionally, Red Oak estimated the average Townsite resident would pay an additional \$108 per annum and commercial customers would pay approximately \$620 per annum under the new rate structure.

To enact the new rates in a timely fashion and according to State Statutes, the City intends to initiate the sixty (60)-day public notice of intent at the El Mirage City Council meeting on September 8, 2011. Council would then act upon the new rates at its November 10, 2011 meeting with these rates taking effect January 1, 2012.

Given the City of Surprise has received water credits from those Surprise customers serviced by El Mirage, and as an act of good faith, the City of El Mirage extends to the City of Surprise the option to pay the City of El Mirage directly for the annual costs for lost water recharge credits. Should Surprise choose to pursue this alternative, please send a request to exercise this option for the remainder of the term of the above referenced IGA along with a check in the amount of \$252,617 for FY 11-12 by September 28, 2011. Should you decide not pursue this option, El Mirage will proceed as described above.

I thank you in advance for your attention.

Sincerely,

A handwritten signature in black ink, appearing to read "Spencer A. Isom", with a long horizontal flourish extending to the right.

Dr. Spencer A. Isom

Attached – Red Oak Consulting August 26, 2011 Memorandum/ Study



MEMORANDUM

To: Robert Nilles
Finance Director
City of El Mirage, Arizona

From: Kevin Burnett, Project Manager
Red Oak Consulting

Re: City of Surprise Recharge Fee

Date: August 26, 2011

Introduction and Background

The City of El Mirage (City) retained Red Oak Consulting (Red Oak) to calculate fees that could be assessed to the City of Surprise for the value of recharge water for water provided to the City Surprise.

In 2011, Red Oak completed a Water and Sewer Cost of Service and Sanitation Fee Study (Fee Study) for the City. A component of the Fee Study was the examination of the value of recharge water. The State of Arizona (State) requires the City to recharge water into the State system based on the amount of water drawn annually. The City's sewer system is projected to discharge water (reclaimed water) back into the ground in an amount roughly equal to 1,960 acre feet (AF) in FY 2011-12. This recharge is based on the City's water sales that enter the City sewer system. A portion of the City of Surprise is served by the City's water system, however, there are no City of Surprise customers on the City's sewer system. Therefore any water that is provided to the City of Surprise is "lost" for purposes of meeting the annual recharge requirements. The cost or valuation of this "lost" recharge water forms the basis of the analysis conducted by Red Oak.

A three step process was undertaken in order to develop a recharge fee for City of Surprise Customers:

1. Identify annual City of Surprise sewer flows based on winter water use
2. Identify the acre foot (AF) value of recharge water that is lost to the City
3. Determine a flow rate in dollars per 1,000 gallons (\$/kgals) that could be assessed to the City of Surprise customers for the reflect the recharge water cost

City of Surprise Sewer Flows

A review of City provided billing data indicated that the City provides water service to just over 1,200 City of Surprise customers. Winter quarter (January, February and March) water use is used to estimate sewer flows for billing purposes. These three months are used with the expectation that there is minimal irrigation use during these months and most if not all water enters the sewer system. As this is the period used to determine monthly sewer bills, this was the water use chosen to form the basis of the amount of lost recharge water for the City. The water use for the City of Surprise residential customers for the January through March 2011 period was approximately 20,086,000 gallons or a monthly average of 6,695,000 gallons. The annualized estimate of water use (that enters the sewer system) for this customer class is 80,344,000 gallons. For City of Surprise commercial customers the January through March 2011 water use was 28,749,000 gallons or a monthly average of 9,493,000. The annualized use for this customer class is 113,916,000. Thus the total annual water use by City of Surprise customers is estimated at 194,260,000.

Acre Feet of Recharge Water

An AF of water is equivalent to 325,900 gallons of water. The 194,260,000 gallons of discharged water (sewer flows) therefore equates to approximately 596.07 AF of recharge water. It was necessary to convert the lost sewer flows or potential recharge water to AF because water is sold on the open market in AF and is assigned a dollar value in that measurement. During the Rate Study, the City's Public Works department provided an estimate for the current open market rate for an AF of water, based on quotes to the City to purchase water on the market. The rates used in the Rate Study (and in turn this analysis) are summarized in Table 1 below.

Table 1
Projected Open Market Rate for Recharge Water
(Central Arizona Groundwater Replenishment District – Phoenix Active
Management Area Assessment Rates)

Projected Value of	
<u>Fiscal Year</u>	<u>One Acre Foot of Water</u>
2011-12	\$403
2012-13	442
2013-14	487
2014-15	550
2015-16	608
2016-17	608
2017-18	608
2018-19	608
2019-20	608
2020-21	608

The projected cost of one AF of water as illustrated in Table, 1 is projected to be \$403 in FY 2011-12 and increase to \$608 per AF in FY 2015-16, at which point it is projected to remain constant for the remainder of the study period.

Recharge Water Flow Based Rate

The final step of the analysis was to determine what a flow based rate would be for the sewer flows from City of Surprise customers that cannot be recovered by the City and would therefore need to be acquired from another source. The annual flows as estimated above are 194,260,000. It is assumed that these flows will remain constant throughout the study period and that there will not be any additional City of Surprise customers

added to the system. The estimated water recharge cost by year for the City of Surprise sewer flows using annual flows and AF water cost by year is summarized in Table 2 (further detail can be found in the attached appendix).

Table 2
Projected City of Surprise Recharge Water Cost

<u>Fiscal Year</u>	<u>Projected Annual Cost of Recharge Water</u>
2011-12	\$240,217
2012-13	263,464
2013-14	290,287
2014-15	327,840
2015-16	362,412
2016-17	362,412
2017-18	362,412
2018-19	362,412
2019-20	362,412
2020-21	362,412

The values in Table 2 which range from a low of \$240,217 per year (in FY 2011-12) to a high of \$362,412 per year (for FY 2015-16 and beyond) were converted into a rate per 1,000 gallons that could be assessed to City of Surprise customers in addition to the fixed charge and volume rates currently being assessed to City of Surprise customers for water service. In addition to the value of the recharge water identified in Table 2, the cost to the City for the rate study analysis (a cost of \$12,400) was added to the FY 2011-12 costs to be recovered. The cost for FY 2011-12 including the cost of the rate study and value of recharge water is \$252,617. The fees are summarized in Table 3 below.

Table 3
Projected Recharge Water Rate

<u>Fiscal Year</u>	Projected Recharge Water Rate
	(\$/kgals)
2011-12	\$1.30
2012-13	1.36
2013-14	1.49
2014-15	1.69
2015-16	1.87
2016-17	1.87
2017-18	1.87
2018-19	1.87
2019-20	1.87
2020-21	1.87

The rates identified in Table 3 represent the projected cost to the City per 1,000 gallons of water that is provided to City of Surprise customers that in turn enters the City of Surprise sewer system rather than the City's sewer system, which would ultimately be used to offset the annual recharge requirements that the City must meet. The rate would be assessed as a uniform rate per 1,000 gallons of average winter quarter water use to City of Surprise customers, and would be updated annually in much the same manner that the City currently assesses rates to their own sewer customers. Using the average use per account per month derived in Appendix A-2, an average residential customer would have a monthly charge in FY 2011-12 of \$8.99 ($\1.30×6.92 kgals) and an average commercial customer would be assessed a monthly charge of \$51.65 ($\1.30×39.72 kgals).

**EL MIRAGE, ARIZONA
WATER RECHARGE FEE
FEE CALCULATION**

**FILE: EM WRF
SCHEDULE: FEE
DATE: 08/26/11
RANGE: FEE1**

	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
Cost per Acre Foot	\$403	\$442	\$487	\$550	\$608	\$608	\$608	\$608	\$608	\$608
Acre Feet of Recharge Water	596.07	596.07	596.07	596.07	596.07	596.07	596.07	596.07	596.07	596.07
Total Cost of Recharge	\$240,217	\$263,464	\$290,287	\$327,840	\$362,412	\$362,412	\$362,412	\$362,412	\$362,412	\$362,412
Add: Fee Study Cost	12,400	0	0	0	0	0	0	0	0	0
Total Cost to Surprise	252,617	263,464	290,287	327,840	362,412	362,412	362,412	362,412	362,412	362,412
Annual Flows (kgals)	194,260	194,260	194,260	194,260	194,260	194,260	194,260	194,260	194,260	194,260
Water Recharge Cost (per kgals)	\$1.30	\$1.36	\$1.49	\$1.69	\$1.87	\$1.87	\$1.87	\$1.87	\$1.87	\$1.87

EL MIRAGE, ARIZONA
WATER RECHARGE FEE
FEE CALCULATION

FILE: EM WRF
SCHEDULE: USE
DATE: 08/26/11
RANGE: USE1

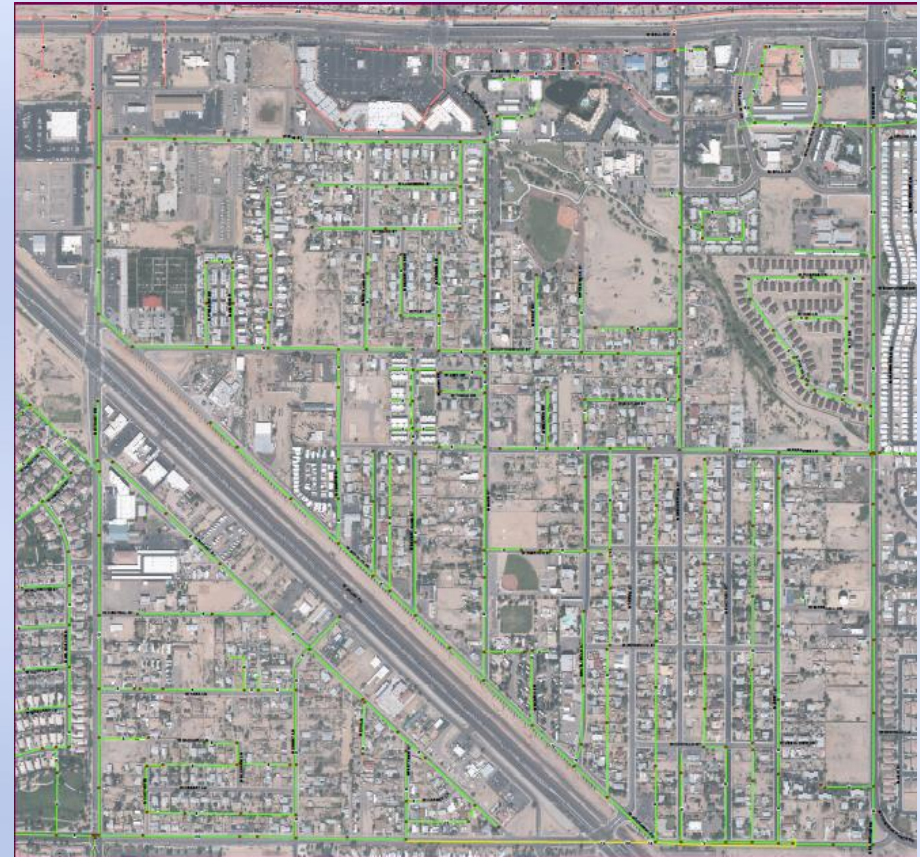
				Thousands of Gallons			
Customer Type	Class	Period	Year	Total Usage	Average Use	Annualized Use	Total Accounts
					per Month		
City of Surprise Account	Residential	Jan - Mar	2011	20,086	6,695	80,344	968
City of Surprise Account	Commercial	Jan - Mar	2011	28,479	9,493	113,916	239
Total (kgals)				48,565	16,188	194,260	
Acre Feet				149.02	49.67	596.07	
Gals/AF				325,900			

Amendment to the IGA for Water Service by the City of El Mirage to the City of Surprise Original Townsite



Unique Situation

- Two Municipal Providers
- Water: Serviced by the City of El Mirage
- Wastewater: Serviced by the City of Surprise



Long-Term Storage Credits (LTSC's)

- What Are LTSC's?
 - Recharge Aquifer
 - Receive, Treat, Inject or Percolate
 - Bank vs. Supply
- Municipal Requirement – ADWR, DAWS
- Not Required for Private Water Companies
- 2011 Agreement - El Mirage Purchases LTSC's for "lost credits"

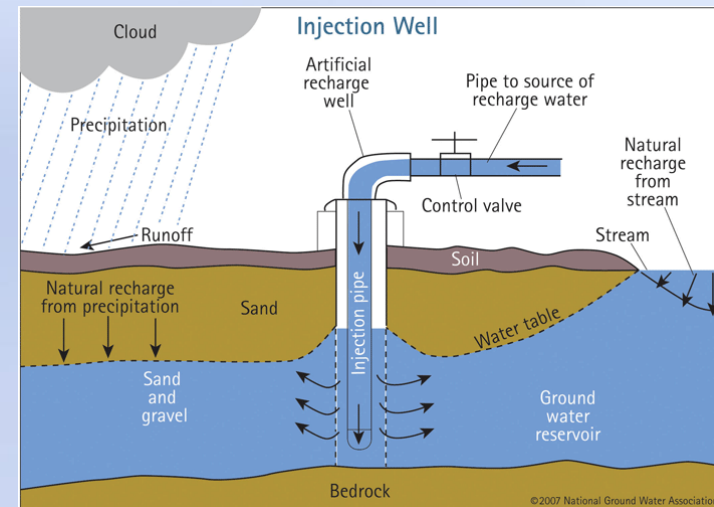


Effect of Amendment



Effect of Amendment

- Current Agreement
 - OTS Customers Assessed Monthly
 - El Mirage Purchases LTSC's
- Amendment
 - Transfers Assessment to Surprise
 - Surprise Keeps LTSC's for its Water Portfolio
 - Rectifies a Procedural Inequity to a Unique Situation for OTS Customers
 - Effective April 2016



Next Steps

El Mirage City Council Approval
System Evaluation and *Possible* Acquisition

Questions, Comments?





CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

[Back](#) [Print](#)

Council Meeting Date:	April 5, 2016	Contact Person:	Terry Lowe, Water Resource Managment Director
Submitting Department:	Water Resource	District:	Citywide
Staff Recommendations:	No Action		

Consent	Regular	Public Hearing	Report/Discussion
---------	---------	----------------	-------------------

Agenda Wording:

Consideration and action pertaining to adoption of a "Notice of Intention" declaring the City's intent to adopt a Stormwater Utility Rate and setting a public hearing on the proposed Rate adoption for May 17, 2016 at 6pm, in the City Hall Council Chambers, 16000 N. Civic Center Plaza, Surprise, Arizona, 85374.

Motion:

I move to adopt the "Notice of Intent" declaring the City's intent to adopt a Stormwater Utility Rate and setting the public hearing on May 17, 2016 at 6pm in the City Hall Council Chambers, 16000 N. Civic Center Plaza, Surprise Arizona.

Background:

There are several steps the City must complete as required by state law to consider and adopt changes to its utility rates. As required by Arizona Revised Statutes 9-511.1, the city must adopt a notice of intention to raise utility rates at least 30 days prior to holding a public hearing on those proposed increases. The notice is required to be published one time in a newspaper of general circulation within the boundaries of the municipality not less than 20 days before the public hearing date. After holding the public hearing, Council may adopt the proposed rates which will become effective no earlier than 30 days after adoption of the resolution.

Objective Analysis:

This action item will relieve some burden of operational expenditures on three funds (General Fund, HURF Fund, and Sewer Fund) and align the services and rates for the Stormwater Utility.

By not establishing the Stormwater rates the burden operations would continue to reside in the operational funds listed above.

Policy Compliant:

This action item is compliant with City policy to charge the appropriate fee associated with the services provided, in expectation of full cost recovery.

Financial Impact:

There is no fiscal impact related to this action as the item is only for notification to the public of the City's intent to set city stormwater rates. The proposed rates are designed to allow full cost recovery associated with those services through user fees. The impact to the City and the user will be presented as part of the public hearing.

Budget Impact:

There is no budget impact related to this action as the item is only for notification to the public of the City's intent to set city stormwater rates. The proposed rates are designed to allow full cost recovery associated with those services through user fees. If rates are adopted at the public hearing on May 17, 2016, the Finance Department, Water Resource Management Department, and Public Works Department will work together to include the fee impact as a part of the FY2017 budget.

FTE Impact:

There are no new FTE's planned in the establishment of the Stormwater Utility until FY2018.

ATTACHMENTS:

Click to download

- ☐ [FCS Stormwater Utility Formation Report](#)
 - ☐ [Notice of Intention](#)
 - ☐ [Stormwater Rate Schedule](#)
-

City of Surprise



STORMWATER UTILITY FORMATION

February 2016

FCS GROUP

Washington Office

7525 166th Avenue NE, Suite D-215
Redmond, WA 98052
T: 425.867.1802 | F: 425.867.1937

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SECTION I: INTRODUCTION

This section describes the context and project scope upon which the body of this report is based.

A. BACKGROUND

In July, 2014, the City of Surprise (City) contracted with Financial Consulting Solutions Group, Inc. (FCS GROUP) to perform a stormwater utility formation and rate study that would include structuring a stormwater rate to equitably recover the costs of stormwater management within the parameters of the Arizona Constitution and Arizona Revised Statutes. The City's stormwater functions are currently funded by the Streets Division (sweeping) and the Wastewater Division (maintenance, etc.).

B. SCOPE OF SERVICES

With this study, the City wished to implement a stormwater utility and supporting rate to provide the funding necessary to allow stormwater functions to be independent and fully funded. The study was performed using the following general approach:

- ◆ **Policy Framework for Charges.** In this step, we worked with City staff to identify, analyze, and agree on key policy issues.
- ◆ **Customer Base Calculation.** In this step, we worked with City staff to create customer base estimates for the utility. Additional information on the calculation is included as **Appendix A** to this report.
- ◆ **Technical Analysis.** In this step, we worked with City staff to perform a detailed financial analysis with projected costs, utility revenue requirements, and resulting rates. The technical analysis is included as **Appendices B and C** to this report.
- ◆ **Documentation and Presentation.** In these tasks, we wrote this report describing the recommended charge structure and charges, and presented results to the City Council and the general public.

SECTION II: POLICY FRAMEWORK

In this section, we examine four key issues related to funding ongoing City stormwater management: (1) stormwater program funding options, (2) stormwater utility rate structure options, (3) stormwater rate credits and exemptions, and (4) stormwater utility fiscal policies.

A. FUNDING OPTIONS

In examining the question of appropriate funding options, it is important to consider the purpose of the program. The City of Surprise stormwater program exists in large part to meet a number of federal, state, and local regulations, most prominent among them being National Pollutant Discharge Elimination System (NPDES) requirements as managed through Arizona Pollutant Discharge Elimination System (AZPDES) permits, 401 Certification, superfund site rules, the U.S. Environmental Protection Agency (EPA) Ground Water Rule run through the Arizona Department of Environmental Quality (ADEQ), and additional risk costs – to say nothing of potential future regulatory requirements. Local regulations include the City’s Storm Water Service Code (Chapter 58, Article VI, Surprise Municipal Code) and Stormwater Management Code (Chapter 117, Surprise Municipal Code). Compliance with these and other regulations requires dedicated, reliable funding – a key criterion in the selection of a recommended funding approach.

Many communities (although few in Arizona¹) employ utility service charges to fund their storm and surface water management programs. Service charges provide a dependable, predictable, legally defensible and equitable funding source that is dedicated to its purpose and rationally based on the service provided to individual property owners. The American Public Works Association concludes the following:

The user charge and utility concepts are the most dependable and equitable approaches available to local governments for financing stormwater management. Great care should be taken in advance of establishing such a system to assure a legal, beneficial, equitable, acceptable, and effective management agency.²

However, there are other potential sources of funding for surface water management programs and program components, including the following, evaluated below:

- | | |
|-----------------------|----------------------------|
| ◆ General Fund | ◆ Impact Fees |
| ◆ Special Assessments | ◆ Conventional Debt |
| ◆ Special Fees | ◆ Special Grants and Loans |

Use of **General Fund** money is usually unrestricted, and thus could be used to fund stormwater management. However, the general fund is subject to many competing demands, and cannot usually be considered a reliable source for ongoing funding.

¹ We know of stormwater utilities in the cities of Flagstaff, Oro Valley, Peoria, Scottsdale, and Tucson.

² *Urban Stormwater Management (American Public Works Association, 1981), 263.*

Special Assessments are most commonly structured as local improvement districts, these funding mechanisms assess individual properties benefited or served by a specific capital improvement for a share of the cost of that facility. Typically, benefit must be demonstrated by an increase in assessed valuation due to the improvement. Although special assessment charges are not recommended at this time, the idea of special benefits will be discussed in more detail in the rate structure section.

Special Fees or direct charges may be used to recover the direct costs for services performed for a customer or class of customers not generally related to the overall service charge. Again, although these fees are not recommended at this time, the idea of direct benefits will be discussed in more detail in the rate structure section.

Impact Fees, like utility connection charges, are one-time charges imposed as conditions of development, and are designed to recover an equitable share of the cost of capital investment incurred by the Utility. The cost basis for an impact fee, authorized in Title 9, Chapter 4 of the Arizona Code, and available for “Storm water, drainage and flood control facilities, including any appurtenances for those facilities”, may include a share of planned future facilities required to support growth. It is crucial that impact fees be the product of a clear calculation basis derived from official asset accounting and capital improvement plans and that they adhere to statutory limitations and legal precedents. Revenues from such charges are available for capital purposes only and may be worth revisiting in the future, but will not fund ongoing program operations, which is the primary goal of this study.

Similarly, **Debt** and **Special Grants and Loans** such as ADEQ’s Water Quality Improvement Grant (WQIG) Program, which allocates money from the U.S. EPA pursuant to Section 319(h) of the Clean Water Act, are similarly available only for capital project funding – not ongoing operations. In addition, loans require a reliable funding source to meet debt repayment needs.

FCS GROUP recommends that the City establish a stormwater utility and supporting rate in order to recover most of the costs of its maturing stormwater program. An appropriately structured rate will allow the City to charge each customer equitably and ensure that each customer pays only for service received from the Stormwater Utility. Calculated rates provide a dedicated, equitable, reliable mechanism for cost recovery for services provided.

Most cities need to utilize other sources of funding as well. It is wise to aggressively pursue federal, state, and private sector grants and loans for needed capital construction to minimize the financial burden on local ratepayers. While these sources are difficult to access, the potential cost savings to the ratepayers on qualifying projects makes pursuing them worthwhile.

If this special funding cannot be obtained, then many cities use revenue bond debt, supported by utility rates, to finance implementation of the stormwater capital plan. In most cases, the life of surface water and stormwater facilities far outreaches the term of conventional long-term debt instruments, making this type of financing cost-effective and appropriate.

Recommendation: To equitably and rationally address the cost of stormwater services provided by the City to individual properties in Surprise, FCS GROUP recommends that the City implement a stormwater utility, relying primarily on a calculated stormwater utility fee for service as the mechanism for program cost recovery.

B. RATE STRUCTURE

More and more communities are employing utility service charges to fund their storm and surface water programs. Service charges provide a dependable, predictable, legally defensible, and equitable

revenue stream that is dedicated to its purpose. Additionally, this revenue stream can be realized through any of several alternative rate structures.

Rate structure options consist of impervious surface area, density of development, runoff coefficients, flat fees, land use, trip generation, and geographic location. Although they could all be used to aid in the calculation of stormwater rates, they are not as well accepted nor tied as closely to stormwater as impervious surface area. The following selection from *Stormwater Strategies: Community Responses to Runoff Pollution* describes the impervious surface area nexus clearly:

The problem of polluted stormwater runoff has two main components: the increased volume and rate of runoff from impervious surfaces and the concentration of pollutants in the runoff. Both components are highly related to development in urban and urbanizing areas. When impervious cover (roads, highways, parking lots, and rooftops) reaches 10 and 20 percent of the area of a watershed, ecological stress becomes clearly apparent. Everyday activities, including driving and maintaining vehicles, maintaining lawns and parks, disposing of waste, and even walking pets, often cover these impervious surfaces with a coating of various harmful materials. Construction sites, power plants, failed septic systems, illegal discharges, and improper sewer connections also contribute substantial amounts of pollutants to runoff. Sediments, toxic metal particles, pesticides and fertilizers, oil and grease, pathogens, excess nutrients, and trash are common stormwater pollutants. Many of these constituents end up on roads and parking lots during dry weather only to be washed into waterbodies when it rains or when snow melts.

Together, these pollutants and the increased velocity and volume of runoff cause dramatic changes in hydrology and water quality that result in a variety of problems. These include increased flooding, stream channel degradation, habitat loss, changes in water temperature, contamination of water resources, and increased erosion and sedimentation. These changes affect ecosystem functions, biological diversity, public health, recreation, economic activity, and general community well-being. Urban stormwater is not alone in causing these impacts. Industrial and agricultural runoff are equal or greater contributors. But the environmental, aesthetic, and public health impacts of diffuse pollution will not be eliminated until urban stormwater pollution is controlled.³

Impervious surface area is the most common basis for charging stormwater fees. The term refers to hard surface area that prevents or slows water permeation into the ground. Impervious surface area is most widely accepted as an appropriate measure of a property's contribution of runoff, providing a clear relationship, or "rational nexus," to service received from a stormwater program.

To administer a rate structure based on impervious surface area, data quantifying the applicable area by parcel is required. To minimize administrative and data collection costs, stormwater utilities typically develop a uniform rate for single family residential customers based on an estimated average amount of impervious surface area per developed residential parcel. The charge basis for all other customer types is generally actual measured impervious surface area by parcel. The charge itself is most commonly calculated as a dollar amount per unit of impervious surface area, or an equivalent unit of service, especially when the fee structure is implemented as a uniform charge for residential customers. (For example, one unit may equate to 2,500 square feet of average residential impervious surface area per parcel, and the fee may be \$5.00 per unit charged to each residential account.)

³ Peter H. Lehner, George P. Aponte Clarke, Diane M. Cameron, and Andrew G. Frank, *Stormwater Strategies: Community Responses to Runoff Pollution* (Natural Resources Defense Council, May 1999), xi.

An impervious-based rate structure defines a direct linkage between a parcel's contribution to runoff impacting the system infrastructure and the fee that parcel pays. The fee basis creates a standard of charging that quantifies how different amounts of impervious surface area cause proportionately different impacts on the environment in terms of flooding, water quality, and habitat degradation. By recognizing that relationship, the fee structure basis proportionately charges different customers their share of the system's cost burden and provides an equitable, defensible means of cost recovery for a stormwater utility.

Density of development is an alternative measure of runoff contribution. The term refers to impervious or development coverage as a percentage of parcel size. It may also be used in combination with actual impervious surface area measurements to adjust charges depending on the percentage of the parcel covered by hard surface. As an adjusting factor, it is used to acknowledge that, for example, 5,000 square feet of impervious surface on a 6,000 square foot lot more directly impacts the public system than 5,000 square feet of hard surface on a 15,000 square foot lot. As with impervious surface area, density of development is an appropriate charge basis because it adequately quantifies the relationship between the rate paid and the amount of service received. However, because of its relationship to gross parcel size, it may conflict with recent Arizona House Bill 2378, which prohibits a municipality from charging a citywide tax or fee "based on the size or value of the owner's real property or improvements to real property."

Runoff coefficients are yet another measurement of a property's contribution to surface water impacts. This factor is similar to density of development, but it is more closely associated with the physical characteristics of properties. When applied to lot size, runoff coefficients are generally accepted as a measure of surface water contribution and hence, service received. Information required to charge under this basis includes basic physical characteristics of land (such as slope and soil type), land use, and lot size. Under this approach, undeveloped parcels may also be charged depending upon slope variables and soil characteristics. Runoff coefficients are typically charged either as a fee per unit of area or as an adjustment factor to impervious surface area to modify the final charge based on a parcel's runoff characteristics. In measuring contribution to surface water runoff by evaluating property-specific characteristics that cause impacts, this approach proportionately recovers the costs of various activities within a stormwater program from each user based on their level of contribution. However, physical characteristics of land such as soil type and slope are not thought to be controllable by the property owner and are hence more difficult to accurately measure and quantify as a rate basis than measurements of quantity or intensity of development.

A **flat fee** per account would recover stormwater program costs uniformly from all customers. While relatively simple to calculate and administer, a flat fee structure reflects a philosophy that all customers large and small are served equally by the stormwater program. This approach conflicts with accepted research showing the negative impact of development, and more specifically impervious surface area, on surface water runoff and resulting damage to the environment. From a practical standpoint, flat fees have proven effective as long as the rates can be kept at modest levels.

Land use is another basis that can be used to adjust rates based on distinct characteristics of properties. Using this fee basis, adjusting factors are created to establish rates based on assumed runoff generation by land use type. For example, empirical analysis may find that industrial land use has a more significant contribution to water quality problems from stormwater runoff than undeveloped land and therefore, should be charged a proportionately higher rate.

While the fee structures discussed above focus on runoff contribution, **trip generation** as a fee basis relates automobile traffic to non-point source pollution contributed by properties. [Motor vehicles are responsible for most of the pollutants that must be addressed by the City stormwater program.] Data used to measure traffic is available from the Institute of Transportation Engineers' Trip Generation manual, which assigns a number of daily trips generated by specific land use categories. In addition to this information, customer land use types and lot size would be required to accurately calculate rates. This fee approach would be best used to recover the costs of stormwater *quality* management within a stormwater program. The City of Surprise program is generally focused on stormwater quantity management.

The final rate structure option to consider is **geographic location**. Also referred to as area-specific rates, geographic location can be defined either as the basin or sub-basin that a parcel is in, or its proximity to receiving waters or flood plains. Both bases describe areas that may differ in required levels of service in terms of capital construction and ongoing maintenance costs. By separating these costs based on location served, charges can correspondingly be set in relation to level of service. Almost all activities performed by a stormwater program are applicable for location-specific user fees given the fact that service provided can be directly linked to location and therefore the amount paid. As examples, properties in flood plains could pay a proportionately higher share of flood control costs, developments on hillsides could pay for causing additional runoff impacting those downstream, and waterfront properties could bear more of the costs of water quality improvements. It is important to note that if specific locations are less-developed than others or simply require costly activities, the resulting user fee could be economically impractical to charge property-owners.

It is recommended that the City pursue a stormwater utility fee structure that is based on impervious surface area, with single family residential customers defined as one equivalent dwelling unit (EDU). An impervious-based rate structure defines a direct linkage between a parcel's contribution to runoff impacting the system infrastructure and the fee that parcel pays – a key distinction between rates and taxes. The fee basis creates a standard of charging that quantifies how different amounts of impervious surface area cause proportionately different impacts on the environment in terms of flooding, water quality, and habitat degradation. By recognizing that relationship, the fee structure basis proportionately charges different customers their share of the system's cost burden and provides an equitable, defensible means of cost recovery for a stormwater utility. It should be noted that both Oro Valley and Flagstaff utilize impervious surface area in their respective stormwater rate structures.

Recommendation: FCS GROUP recommends using impervious surface area to determine chargeable area and rates to be charged for services rendered.

C. RATE CREDITS AND EXEMPTIONS

When considering how to charge, or credit, different types of customers, it is important to remember that a stormwater rate is a fee for service, not a tax. As such, the level of a customer's charge must substantially relate to that customer's proportionate share of the utility's costs. In terms of equity and legal defensibility, it is important to recognize the significance of that type of relationship when defining exemption or credit policies because such policies could potentially move a utility away from the rational linkage between service delivered and the amount of the fee. The following types of rate credits are often considered and sometimes offered by stormwater utilities.

Senior and/or low-income discounts or exemptions are a common general policy, but equity considerations under an impervious surface area approach do not give cause for such adjustments. Developed properties owned by senior citizen and/or low income customers still contribute runoff that places a cost burden on the utility system. If the City wishes to pursue a social policy to grant credits or exemptions, a utility and its ratepayers should not bear the costs of that policy. To preserve the cost of service approach to rate design and avoid causing stormwater utility customers to subsidize a general City policy, the General Fund could possibly be used to fund the costs of senior and low income credits or exemptions.

Publicly-owned properties, similar to senior/low income credits, do not warrant rate relief. When a cost of service approach is used as the basis for fee evaluation, exemptions and credits should only be granted when the characteristics of a parcel or improvements to that property cause runoff to differ when compared to similar parcels. Some jurisdictions do not charge publicly-owned land because there is a general sense that charging simply transfers money from one City fund to another. Administratively, this may be a valid perception; however, by not charging public lands, the City may not accurately and equitably allocate what can be viewed as an overhead cost borne to support the departments that use stormwater services because of their land holdings. Effectively, utility ratepayers would bear the costs of stormwater management utilized by other user-supported services or the general public. The one common exception to this general approach has to do with charging city streets. City streets, while impervious and generating runoff, also serve as part of the stormwater conveyance system. Cities often choose to exempt their streets in recognition of this fact. This approach has been widely adopted and is supported by the regulatory definition of a Municipal Separate Storm Sewer System, which states:

a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains): (i) Owned or operated by a state, city, town, borough, county, parish, district, association, or other public body (created to or pursuant to state law) including special districts under state law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the Clean Water Act that discharges into waters of the United States. (ii) Designed or used for collecting or conveying stormwater; (iii) Which is not a combined sewer; and (iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.⁴

Further, it would be unfair for the General Fund, which is supported by all taxpayers, to also take on the cost of stormwater from individually owned pieces of property. This would result in a “double taxation” of many taxpayers.

Like public properties, **tax-exempt properties** are also subject to the general criterion for credit or exemption eligibility; that is, the specific parcel must have characteristics or improvements that cause runoff to differ from similar properties in order to be eligible for cost relief. There may be general City or social policies that aim to provide cost relief to these properties; as such, any credit granted should be funded from a source outside the utility. As an alternative, cost relief may be granted without General Fund subsidization in cases where the tax-exempt property, most often a school, provides an in-kind service such as topic-specific curriculum in lieu of paying a utility service charge.

⁴ 40 CFR 122.26(b)(8)

Undeveloped property areas by definition have no added impervious area. Therefore it would make sense to exclude them from stormwater rates, as they do not contribute to increased runoff. Charging undeveloped property would be inconsistent with an impervious surface area approach.

Comparatively, properties with **on-site mitigation** have a reduced effect on the public system than similar property lacking this mitigation. However, meeting (as opposed to exceeding) City development standards does not reduce costs for the utility; it simply keeps the utility whole. Granting a credit for such activities would actually reduce the amount of resources available for basic services to the remainder of the customer base. Exceeding standards – that is, providing capacity in addition to that needed by the developing (or developed) property to the benefit of the City system – in theory does reduce cost to the utility by, in effect, reducing the net utility service area. How much of a credit to grant can then be sized according to the extent to which on-site controls exceed City standards. Therefore, the two criteria to check for may be (1) effectiveness in reducing stormwater runoff and (2) whether these on-site systems are designed to handle a greater amount of stormwater than would be required as a condition of development approval. The additional capacity provided by the new development then may become the basis for the service charge credit amount.

Even though development in Surprise is required to retain all stormwater on-site, this policy would in practice grant credits only to customers who exceed that standard to the benefit of the public system. Because most utility costs are fixed, and do not necessarily vary with the volume of runoff, we propose that credits be subject to a maximum percentage of the rate – determined by an analysis of fixed or “base” costs versus variable or “use” costs as a fraction of total program cost.

In addition to rate structure exemptions and credits, FCS GROUP recommends providing an appeal process to provide for adjustments to the amount of chargeable area or fees charged.

Recommendation: FCS GROUP recommends providing exemptions for undeveloped properties and City streets, as well as providing a process for appeals that would allow for adjustments to fees charged, based on the amount of chargeable surface area and on-site mitigation.

D. FISCAL POLICIES

Fiscal policies for stormwater utilities are often similar to water and wastewater utilities, but with less need to be mindful of revenue shortfalls, since rates are not based on usage and therefore revenue is less volatile. Key financial policies and recommendations for minimum fund balance, system reinvestment, and debt service are described in this section.

Minimum Fund Balances – Operating reserves are designed to provide a liquidity cushion to ensure that adequate cash working capital will be maintained to deal with significant cash balance fluctuations such as unanticipated cash expenses, or lower than expected revenue collections. The City’s current policy (Comprehensive Financial Management Policy 43a) is to maintain a minimum balance in the Operations Fund equal to 2 months of operating expenses for the water, wastewater, and solid waste utilities. This target is somewhat conservative for a stormwater utility, given the lower variability in revenue collections for a rate structure based on impervious surface area, however we recommend extending it to stormwater in order to be consistent with the City’s existing utilities and to mitigate any risk inherent with a new fee.

A capital contingency reserve is an amount of cash set aside in case of an emergency should a piece of equipment or a portion of the utility’s infrastructure fail unexpectedly. The reserve also could be used for other unanticipated capital needs including capital project cost overruns. Industry practices range from maintaining a balance equal to 1 to 2% of fixed assets, an amount equal to a 5-year rolling average of CIP costs, or an amount determined sufficient to fund equipment failure (other than catastrophic failure). The final target level should balance industry standards with the risk level

of the City. The City currently has a policy for water, wastewater, and solid waste utilities to maintain a minimum balance in the Operations Fund - Capital Portion equal to 2% of all tangible capital assets (Comprehensive Financial Management Policy 43b).

System Reinvestment – The purpose of system reinvestment funding is to provide for the replacement of aging system facilities to ensure sustainability of the system for ongoing operation. Each year, the City's assets lose value, and as they lose value they are moving toward eventual replacement. That accumulating loss in value and future liability is measured for reporting purposes through annual depreciation expense, which is based on the original cost of the asset. While this reported expense reflects the consumption of the existing asset and its original investment, the replacement of that asset will likely cost much more, factoring in inflation and construction conditions. Therefore, the added annual replacement liability is even greater than the annual depreciation expenses.

The City is forecast to begin funding system reinvestment for water at \$700,000 per year, wastewater at \$4.6 million per year, and sanitation at \$400,000 per year and continue to increase this towards, or even above, depreciation expenses. This same tactic would be recommended for stormwater as well.

Debt Management – It is prudent to consider policies related to debt management as part of broader utility financial policy structure. Debt management policies should be evaluated and formalized including the level of acceptable outstanding debt, debt repayment, bond coverage, and total debt coverage targets. The City's existing bond covenants require a minimum 1.00 debt coverage test for the wastewater MPC 2007 bond; however the minimum required for revenue bonds is 1.25.

Recommendation: FCS GROUP recommends a minimum operating reserve of 60 days, a minimum capital reserve of 2% of fixed assets, system reinvestment equal to or above annual depreciation expenses, and remaining above a minimum 1.25 debt coverage test.

E. SUMMARY OF RECOMMENDATIONS

FCS GROUP recommends that the City implement a stormwater utility, relying primarily on a calculated stormwater utility fee for service as the mechanism for program cost recovery. FCS GROUP recommends that this stormwater utility use impervious surface area as the primary basis to determine chargeable area and rates to be charged for services rendered. A process for appeals should also be available that would allow for adjustments to the fees charged, including exemptions as warranted, based on the amount of chargeable surface area. Fiscal policies similar to other utilities are also recommended.

SECTION III: CUSTOMER COMPILATION

The recommended rate approach is based on the amount of actual or assumed impervious surface area on each parcel. The rate is then expressed as a dollar amount per EDU with one EDU equal to the average amount of impervious square feet on developed single family residential parcels. Under this approach, the rate calculation is thus: total annual program costs, or the revenue requirement, divided by the total number of EDUs in the customer base. The result may be divided again by twelve to convert it to a monthly charge.

$$\text{Yearly Rate} = \frac{\text{Annual Revenue Requirement}}{\text{Total Number of EDUs}}$$

The revenue requirement analysis is summarized in **Section IV**. In this section, we summarize the customer data compilation used in the rate calculation.

A. RESIDENTIAL EDU CALCULATION

The City's Geographic Information System (GIS) staff analyzed LiDAR data to measure impervious surface area on all single family residential parcels within the City. Based on these measurements, the average amount of impervious surface area on single family residences in Surprise equals 3,420 square feet, which is the resulting value of one equivalent dwelling unit, or EDU (please see Appendix A for the initial customer work plan methodology followed by the City).

With data from the City's utility customer accounts and GIS data, we calculated the number of SFR EDUs in the City. There were a total of 43,700 SFR utility accounts which equates to 43,700 EDUs. The City also decided to include RV parks in the residential EDU calculation. The City decided that RV parks should be charged on a per dwelling unit basis. After surveying all RV parks, it was determined that there are 3,267 RV park EDUs, totaling 46,967 residential EDUs. The City also determined that improved residential lots would be treated as single family residential units.

B. NON-RESIDENTIAL EDU CALCULATION

Non-residential EDUs are calculated based on actual impervious surface area of properties, with one EDU equal to 3,420 square feet of impervious surface area. There are two categories of non-residential customers: commercial and agricultural. Based on City-provided data, 1,869 commercial accounts had 135,587,096 square feet of impervious surface area, resulting in 39,645 EDUs.

The other customer class, agricultural, is calculated based on a combination of impervious and pervious surface area. Agricultural EDUs are calculated based on total impervious surface area plus 10 percent of the pervious surface area on the property. This reflects the fact that agricultural properties contribute more to stormwater infrastructure than just their impervious surface area. Agricultural accounts have approximately 139,500 square feet of total surface area. Assuming five percent impervious surface area for all agricultural land and then including 10 percent of the remaining pervious surface area in the EDU calculation, there are 5,914 agricultural EDUs.

C. TOTAL EDU CALCULATION

Based on the calculations for residential (SFR and RV parks) and non-residential (commercial and agricultural) accounts, **Exhibit 3.1** shows the total number of accounts and EDUs in the City.

Exhibit 3.1: EDU Summary by Customer Type					
Customer Type	Accounts	Gross Parcel Area	Impervious Surface Area	Chargeable Pervious Area	EDUs
Residential					
Single Family	43,700				43,700
RV Park	3,267				3,267
Total Residential	46,967				46,967
Non-Residential					
Commercial	1,869	135,587,096	135,587,096	0	39,645
Agricultural	10	139,479,120	6,973,956	132,505,164	5,914
Total Non-Residential	1,879	275,066,216	142,561,052	132,505,164	45,559
Total	48,846				92,526

Source: City staff, compiled by FCS Group.

Notes: Square feet of impervious surface area for 1 EDU is determined by average Single Family Residence.

*1 EDU = 3,420 sq. ft. of impervious area

*Each Single Family Residence is 1 EDU

*Commercial customers are charged based on sq. ft. of impervious surface area

*Agricultural customers are charged based on impervious surface area plus 10 percent of chargeable pervious area

*1 RV dwelling unit is considered 1 EDU

The City has initiated the measurement of impervious surface area for its nonresidential customers, and expects to complete that effort prior to initial billing. It is recommend that the City provide for rate adjustments when customers can demonstrate that their actual impervious area is different than that which is utilized for billing purposes.



SECTION IV: REVENUE REQUIREMENT

The recommended rate approach is based on the amount of actual or assumed impervious surface area on the parcel. The rate is then expressed as a dollar amount per EDU with one EDU equal to 3,420 impervious square feet on a property. Under this approach, the rate calculation is thus: total annual program costs, or the revenue requirement, divided by the total number of EDUs in the customer base. The result may be divided again by twelve to convert it to a monthly charge.

$$\text{Yearly Rate} = \frac{\text{Annual Revenue Requirement}}{\text{Total Number of EDUs}}$$

A. CUSTOMER DATA

As calculated in **Section III**, the City's current customer base for stormwater is 92,526 EDUs. In general, this is the denominator in the equation above for the first year of analysis. We project the customer base to grow by 0.29 percent per year thereafter based on projected increases in wastewater customer growth.

B. ASSUMPTIONS

The assumptions regarding cost escalation, fiscal policies, and capital financing are summarized below. These factors influence the revenue requirement in future years. Note that many of these assumptions are applied by the City to water, wastewater, and sanitation utilities based on historical growth averages.

◆ **Annual Cost Escalation.**

- General Cost Escalation: 3.00 percent. This escalator applies to materials and services expenditures.
- Capital Cost Escalation: 3.16 percent. This escalator applies to capital improvement expenditures.
- Labor Cost Escalation: 3.00 percent. This escalator applies to salary and wage expenditures.
- Benefit Cost Escalation: 3.00 percent. This escalator applies to employee benefit expenditures.

◆ **Fiscal Policies.**

- Maintain a minimum operating fund balance of 60 days of operating expenditures per the City's current financial policy (Comprehensive Financial Management Policy 43a).
- Maintain a capital contingency reserve of 2.00 percent of fixed assets per the City's current financial policy (Comprehensive Financial Management Policy 43b).
- The fund interest rate is expected to be 0.50 percent in the first year and escalate to 1.00 percent in fiscal year (FY) 2017-18 of the analysis period.

◆ **Capital Financing Policies.**

- The City has chosen to fund all capital construction with rates.

C. PROGRAM COSTS AND REVENUE REQUIREMENTS

The costs of the stormwater utility consist of five categories of operations and maintenance (O&M): streets right-of-way (ROW), street sweeping, wastewater collections, general stormwater operations, and future operational needs. Future operational needs are expected to begin in FY 2016-17. A summary of these expenditures for FY 2016-17 through 2021-22, including capital expenditures, is below in **Exhibit 4.1**. The street, wastewater, and general operations expenditures will increase per escalation rates in **Section IV.B**. These expenditures were in other funds but will be at least partially under the purview of the stormwater utility in the future. Future operational needs were projected by City staff. FY 2018-19 expenditures include the addition of two FTEs.

Exhibit 4.1: Program Requirement Summary						
Fiscal Year Ending 6/30:	2017	2018	2019	2020	2021	2022
Streets ROW	\$120,268	\$123,876	\$127,592	\$131,420	\$135,363	\$139,424
Streets Street Sweeping	362,874	373,760	384,973	396,522	408,418	420,671
Wastewater Collections	112,682	116,062	119,544	123,131	126,825	130,629
General Operations	22,660	23,340	24,040	24,761	25,504	26,269
Future Operational Needs	335,227	337,100	513,908	532,802	546,617	560,848
Rate Funded Capital	0	650,000	775,000	1,000,000	1,250,000	1,500,000
Total Requirement	\$953,711	\$1,624,138	\$1,945,058	\$2,208,636	\$2,492,727	\$2,777,840

Source: Compiled by FCS GROUP. See Appendices B and C for complete information.

D. RATES

Because the utility will be an enterprise fund, it must be self-sustaining. Also, the utility also has no identified non-rate revenues, meaning the utility must finance all of its operating expenditures through rates.

In fiscal year 2016-17, the program will have \$953,711 in total expenses. Per conversations with City staff, the initial stormwater rate is calculated so as not to require a rate increase in the first few fiscal years. The resulting initial rate is \$2.00 per month per EDU. In the following year, the City begins constructing capital projects, increasing the revenue requirement by \$650,000 in the first year.

Starting from this initial financial position, there are two options for the stormwater utility rates in the future: raise rates when necessary in order to satisfy all financial requirements, or smooth rate increases across several years. We examine each scenario below.

D.1 Scenario I – Required Rate Increases

The first scenario assumes that the utility will increase the rates in accordance with its financial requirements. Specifically, the utility will increase rates to cover costs projected in the coming year.

For the first two years after rate implementation, the rate per EDU will not increase. Then, the rate will increase annually to ensure adequate funding of the utility. After five years of rates, in fiscal year 2021-22, the rate will be \$2.68 per EDU. An executive level summary of capital expenditures, funding, revenues, operations and maintenance expenses, rate levels, and fund balances is displayed in **Exhibit 4.2**. See **Appendix B** for a complete analysis.

Exhibit 4.2: Scenario I Summary – Required Increases

Revenue Requirement	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
Revenues						
Rate Revenues Under Existing Rates	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632
Non-Rate Revenues	0	1,568	1,601	1,923	1,987	2,043
Total Revenues	\$ 2,053,731	\$ 2,061,279	\$ 2,067,293	\$ 2,073,595	\$ 2,079,639	\$ 2,085,675
Expenses						
Cash Operating Expenses	\$ 953,711	\$ 974,138	\$ 1,170,058	\$ 1,208,636	\$ 1,242,727	\$ 1,277,840
Existing Debt Service	-	-	-	-	-	-
New Debt Service	-	-	-	-	-	-
Rate Funded Capital	-	650,000	775,000	1,000,000	1,250,000	1,500,000
Additions Required to Meet Operating Fund Balance	156,774	3,358	32,206	6,342	5,604	5,772
Total Expenses	\$ 1,110,485	\$ 1,627,496	\$ 1,977,264	\$ 2,214,978	\$ 2,498,331	\$ 2,783,612
Net Surplus (Deficiency)	\$ 943,246	\$ 433,783	\$ 90,028	\$ (141,383)	\$ (418,692)	\$ (697,937)
Additions to Meet Coverage	-	-	-	-	-	-
Total Surplus (Deficiency)	\$ 943,246	\$ 433,783	\$ 90,028	\$ (141,383)	\$ (418,692)	\$ (697,937)
% of Rate Revenue	0.00%	0.00%	0.00%	6.82%	20.15%	33.50%
Annual Rate Adjustment	0.00%	0.00%	0.00%	6.82%	12.48%	11.11%
Cumulative Annual Rate Adjustment	0.00%	0.00%	0.00%	6.82%	20.15%	33.50%
Rate Revenues After Rate Increase	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,213,054	\$ 2,496,344	\$ 2,781,569
Additional Taxes from Rate Increase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Cash Flow After Rate Increase	1,100,020	437,141	122,234	6,342	5,604	5,772
Coverage After Rate Increases	n/a	n/a	n/a	n/a	n/a	n/a
Sample Residential Monthly Bill	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.14	\$ 2.41	\$ 2.68
Monthly Average Increase (\$)	\$ 2.00	\$ -	\$ -	\$ 0.14	\$ 0.27	\$ 0.27

Fund Balance	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
SEWER OPERATIONS FUND						
Beginning Balance	\$ 0	\$ 156,774	\$ 160,132	\$ 192,338	\$ 198,680	\$ 204,284
plus: Net Cash Flow after Rate Increase	1,100,020	437,141	122,234	6,342	5,604	5,772
less: Transfer of Surplus to Capital Fund	(943,246)	(433,783)	(90,028)	-	(0)	(0)
Ending Balance	\$ 156,774	\$ 160,132	\$ 192,338	\$ 198,680	\$ 204,284	\$ 210,056
Target Balance	\$ 156,774	\$ 160,132	\$ 192,338	\$ 198,680	\$ 204,284	\$ 210,056
Days	60	60	60	60	60	60
OPERATIONS FUND - CAPITAL PORTION						
Beginning Balance	\$ -	\$ 943,246	\$ 1,397,899	\$ 1,508,349	\$ 1,549,334	\$ 1,792,386
plus: Rate Funded Capital	-	650,000	775,000	1,000,000	1,250,000	1,500,000
plus: Transfers from Operating Fund	943,246	433,783	90,028	-	0	0
plus: Grants/ Donations/ CIAC	-	-	-	-	-	-
plus: Additional Proceeds (Costs)	-	-	-	-	-	-
plus: Transfers from SPA Funds for Deficit Repayment	-	-	-	-	-	-
plus: Net Debt Proceeds Available for Projects	-	-	-	-	-	-
plus: Interest Earnings	-	9,432	13,979	15,083	15,493	17,924
Total Funding Sources	\$ 943,246	\$ 2,036,461	\$ 2,276,906	\$ 2,523,432	\$ 2,814,828	\$ 3,310,310
less: Capital Expenditures	-	(638,562)	(768,557)	(974,098)	(1,022,441)	(1,597,248)
less: Transfers to SPA Funds	-	-	-	-	-	-
Ending Working Capital Balance	\$ 943,246	\$ 1,397,899	\$ 1,508,349	\$ 1,549,334	\$ 1,792,386	\$ 1,713,062
Minimum Target Balance	\$ 200,000	\$ 212,771	\$ 228,142	\$ 247,624	\$ 268,073	\$ 300,018
COMBINED BEGINNING BALANCE	\$ 0	\$ 1,100,020	\$ 1,558,031	\$ 1,700,687	\$ 1,748,014	\$ 1,996,670
COMBINED ENDING BALANCE	\$ 1,100,020	\$ 1,558,031	\$ 1,700,687	\$ 1,748,014	\$ 1,996,670	\$ 1,923,118

D.2 Scenario II – Smoothed Rate Increases

This scenario smooths rate increases, requiring fewer rate increases and lower rate reactivity. This also means that rates will increase sooner under this scenario. Under this scenario, the rate will not increase for four years after implementation, after which it will increase by \$0.75. After five years of

rates, in fiscal year 2021-22, the rate will be \$2.75 per EDU. An executive level summary of capital expenditures, funding, revenues, operations and maintenance expenses, rate levels, and fund balances is displayed in **Exhibit 4.3**. See **Appendix C** for a complete analysis.

Exhibit 4.3: Scenario II Summary – Smoothed Increases

Revenue Requirement	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
Revenues						
Rate Revenues Under Existing Rates	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632
Non-Rate Revenues	0	1,568	1,601	1,923	573	2,043
Total Revenues	\$ 2,053,731	\$ 2,061,279	\$ 2,067,293	\$ 2,073,595	\$ 2,078,225	\$ 2,085,675
Expenses						
Cash Operating Expenses	\$ 953,711	\$ 974,138	\$ 1,170,058	\$ 1,208,636	\$ 1,242,727	\$ 1,277,840
Existing Debt Service	-	-	-	-	-	-
New Debt Service	-	-	-	-	-	-
Rate Funded Capital	-	650,000	775,000	1,000,000	1,250,000	1,500,000
Additions Required to Meet Operating Fund Balance	-	-	-	-	-	5,772
Total Expenses	\$ 953,711	\$ 1,624,138	\$ 1,945,058	\$ 2,208,636	\$ 2,492,727	\$ 2,783,612
Net Surplus (Deficiency)	\$ 1,100,020	\$ 437,141	\$ 122,234	\$ (135,041)	\$ (414,502)	\$ (697,937)
Additions to Meet Coverage	-	-	-	-	-	-
Total Surplus (Deficiency)	\$ 1,100,020	\$ 437,141	\$ 122,234	\$ (135,041)	\$ (414,502)	\$ (697,937)
% of Rate Revenue	0.00%	0.00%	0.00%	6.52%	19.95%	33.50%
Annual Rate Adjustment	0.00%	0.00%	0.00%	0.00%	37.50%	0.00%
Cumulative Annual Rate Adjustment	0.00%	0.00%	0.00%	0.00%	37.50%	37.50%
Rate Revenues After Rate Increase	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,856,771	\$ 2,864,994
Additional Taxes from Rate Increase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Cash Flow After Rate Increase	1,100,020	437,141	122,234	(135,041)	364,617	89,197
Coverage After Rate Increases	n/a	n/a	n/a	n/a	n/a	n/a
Sample Residential Monthly Bill	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.75	\$ 2.75
Monthly Average Increase (\$)	\$ 2.00	\$ -	\$ -	\$ -	\$ 0.75	\$ -

Fund Balance	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
SEWER OPERATIONS FUNI						
Beginning Balance	\$ 0	\$ 156,774	\$ 160,132	\$ 192,338	\$ 57,297	\$ 204,284
plus: Net Cash Flow after Rate Increase	1,100,020	437,141	122,234	(135,041)	364,617	89,197
less: Transfer of Surplus to Capital Fund	(943,246)	(433,783)	(90,028)	-	(217,631)	(83,425)
Ending Balance	\$ 156,774	\$ 160,132	\$ 192,338	\$ 57,297	\$ 204,284	\$ 210,056
Target Balance	\$ 156,774	\$ 160,132	\$ 192,338	\$ 198,680	\$ 204,284	\$ 210,056
Days	60	60	60	17	60	60
OPERATIONS FUND - CAPITAL PORTION						
Beginning Balance	\$ -	\$ 943,246	\$ 1,397,899	\$ 1,508,349	\$ 1,549,334	\$ 2,010,017
plus: Rate Funded Capital	-	650,000	775,000	1,000,000	1,250,000	1,500,000
plus: Transfers from Operating Fund	943,246	433,783	90,028	-	217,631	83,425
plus: Grants/ Donations/ CIAC	-	-	-	-	-	-
plus: Additional Proceeds (Costs)	-	-	-	-	-	-
plus: Transfers from SPA Funds for Deficit Repayment	-	-	-	-	-	-
plus: Net Debt Proceeds Available for Projects	-	-	-	-	-	-
plus: Interest Earnings	-	9,432	13,979	15,083	15,493	20,100
Total Funding Source	\$ 943,246	\$ 2,036,461	\$ 2,276,906	\$ 2,523,432	\$ 3,032,458	\$ 3,613,542
less: Capital Expenditures	-	(638,562)	(768,557)	(974,098)	(1,022,441)	(1,597,248)
less: Transfers to SPA Funds	-	-	-	-	-	-
Ending Working Capital Balance	\$ 943,246	\$ 1,397,899	\$ 1,508,349	\$ 1,549,334	\$ 2,010,017	\$ 2,016,294
Minimum Target Balance	\$ 200,000	\$ 212,771	\$ 228,142	\$ 247,624	\$ 268,073	\$ 300,018
COMBINED BEGINNING BALANCE	\$ 0	\$ 1,100,020	\$ 1,558,031	\$ 1,700,687	\$ 1,606,632	\$ 2,214,301
COMBINED ENDING BALANCE	\$ 1,100,020	\$ 1,558,031	\$ 1,700,687	\$ 1,606,632	\$ 2,214,301	\$ 2,226,350

E. RATE CREDITS

As a general consideration, it is important to recognize that onsite mitigation might or might not reduce the utility's cost of providing service. Since onsite mitigation only partially neutralizes the impact of developing the property, the cost of meeting City standards and constructing onsite mitigation for property owners could arguably be considered a cost of doing business. However,

using credits as a means of incentivizing the construction of onsite facilities with extra capacity can reduce the utility's costs. The amount of credit for such oversizing, if consistent with the City's goals, could be determined by the extent to which the onsite facility exceeds minimum requirements.

As stated previously, we recommend the City implement a rate credit structure to reflect the actual benefit from cost reductions received from onsite storm drainage systems. The City should not offer credits for those program costs that are unaffected by customers' onsite mitigation measures, or "base" costs. These are costs the utility would incur regardless of the mitigation factors implemented on properties. However, the City can justify offering credits to the extent that customers' onsite mitigation measures result in cost savings or other quantifiable benefits for the utility, or "use" costs.

After calculating the total revenue requirement for the utility (see **Appendices B and C**), we determined the maximum rate credit using the following approach. With the input of City staff, each category of stormwater program costs (FY 2018-19) was allocated between base and use. Results are shown below:

- ◆ Streets Right-of-Way – \$127,592 – 100% base
- ◆ Street Sweeping – \$384,973 – 100% base
- ◆ Sewer Collections / Stormwater – \$119,544 – 100% base
- ◆ General Operations – \$24,040 – 100% base
- ◆ Future Operational Needs – \$513,908 – 50% base, 50% use
- ◆ Rate Funded Capital – \$775,000 – 50% base, 50% use

These allocations of the FY 2019 budget, totaling \$1,945,058, resulted in \$1,300,604 of expenses being classified as base costs and \$644,454 classified as use costs, or 67% and 33% respectively.

The maximum rate credit was determined by dividing each component cost by the expected number of EDUs to be charged. It was assumed that up to 40% of nonresidential EDUs would be lost to credits, or refinements to their chargeable area based on updated measurements, shown in **Exhibit 4.4**.

Exhibit 4.4: Chargeable EDU Calculation			
	Residential	Non-Residential	Total
Accounts (FY 2019)	47,241	1,889	49,130
EDUs (FY 2019)	47,241	45,824	93,065
EDUs Lost to Credits / Adjustments	0	-18,489	-18,489
Chargeable EDUs	47,241	27,335	74,735

Source: Compiled by FCS GROUP.

Note: Assumed 40% of Non-Residential EDUs lost to credits

The calculation of the maximum credit amount, 38% of the rate, is summarized in **Exhibit 4.5** below.

Exhibit 4.5: Calculation of Maximum Credit chargeable EDU Calculation			
	Base	Use	Total
Revenue Requirement	\$1,300,604	\$644,454	\$1,945,058
÷ Chargeable EDUs	93,065	74,735	
Annual Rate Component	\$13.98	\$8.62	\$22.60
Percentage Maximum Credit		38%	

Note: % Maximum Credit = Use Rate Component ÷ Total Rate

It is proposed that the following refined credit policy be offered, applicable only to non-residential customers.

- ◆ 25 percent credit for qualifying on-site mitigation above City standards.
- ◆ 13 percent credit for approved participation in City-sponsored education.

F. RATE SUMMARY

A summary of the rates for both scenarios, required and smoothed, is shown in **Exhibit 4.6**. Scenario II rates are higher in most years, but require fewer increases. Scenario I generally has lower rates, but requires annual rate increases to react to financial requirements. Either will achieve the City's desired targets for program cost recovery.

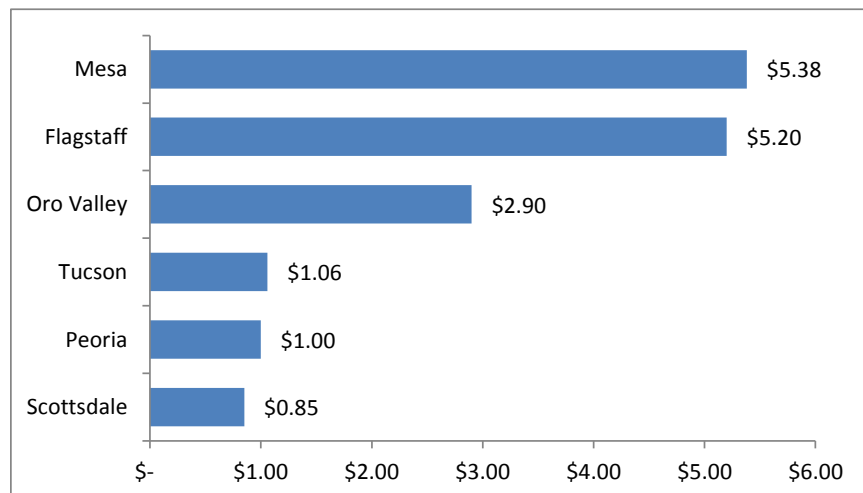
Exhibit 4.6: Rate Comparison											
Fiscal Year Ending 6/30:	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
I - Required Increases	\$2.00	\$2.00	\$2.00	\$2.14	\$2.41	\$2.68	\$2.71	\$2.74	\$2.77	\$2.81	\$2.88
II - Smoothed Increases	\$2.00	\$2.00	\$2.00	\$2.00	\$2.75	\$2.75	\$2.75	\$2.75	\$2.85	\$2.85	\$2.85

Source: FCS GROUP.

G. RATE COMPARISONS

There are currently six Arizona cities that we know of that charge rates for stormwater. Three of these charge stormwater rates per account (Mesa, Scottsdale, and Peoria), two charge per impervious surface area (Oro Valley and Flagstaff), and one charges based on water meter size (Tucson). Rate comparisons for single-family customers in each of these cities are summarized in **Exhibit 4.7**. Although not technically a stormwater rate, Phoenix has an excise tax of \$0.70 per month for all single-family residential accounts that is earmarked for stormwater.

Exhibit 4.7: Rate Comparisons



APPENDIX A: CUSTOMER DATA WORK PLAN

CITY OF SURPRISE, AZ

STORMWATER UTILITY FORMATION

CUSTOMER DATA COMPILATION

The following preliminary work plan may be used to compile the customer data needed to support the stormwater rate calculation and, ultimately, its billing.

Proposed Approach

1. Decide upon a primary key providing the best linkage between existing utility billing records and the GIS database. What single identifier, unique to each customer, is in both datasets (i.e., property address, tax identification number)? These data points should be unique to each customer.
2. Segregate single-family residential (SFR) and non-SFR (all other) accounts in the selected billing list.

Equivalent Service Unit Calculation

A sampling analysis is necessary to determine the average amount of impervious surface area on the City's single-family residential parcels, unless the City determines to use a standard estimate. This analysis will yield the value of an equivalent service unit (ESU), which will become the base unit for the City's stormwater utility fee.

1. Number single-family residential accounts sequentially in an unused field, starting with the number 1. For example, assuming there are 6,000 single family parcels, number these parcels 1 through 6,000 in their existing order, regardless of any other recorded numbering system, e.g., assessor parcels number or location identification number. These numbered parcels will make up the population from which the sample will be taken.
2. Using random numbers provided by FCS GROUP to identify parcels to be sampled, extract the following information from each sampled parcel and record it on the worksheet provided:
 - Sample number
 - Property address
 - Other common identifier (if applicable)
 - Number of dwelling units (if applicable – should be one per parcel)
 - Utility billing account number
3. Continue sampling and recording data until a sample of no fewer than 152 parcels has been compiled. Note: Appendix A details the methodology used to determine the recommended sample size.
4. Using the common parcel identifier and corresponding maps, example shown in Section 3, page 11, identify each sampled parcel on the system.
5. Measure impervious surface area on each of the sampled parcels. Record measured impervious surface area on worksheet. Note any anomalies or irregularities on the worksheet, identifying the parcel(s) concerned by the sample number or common identifier.
6. Deliver completed worksheets to FCS GROUP for statistical analysis.

Non-Residential ESUs

1. Using the common parcel identifier and corresponding maps, example shown in Section 3, page 11, identify each non-single family residential parcel on the system.
2. Measure impervious surface area on each non-single family residential parcel. Record measured impervious area on worksheet. Note any anomalies or irregularities on the worksheet, identifying the parcel(s) concerned by the common identifier.
3. Deliver completed worksheets to FCS GROUP for analysis.

Billing stormwater charges in the City of Surprise will present some unique billing issues. Most customers will likely receive an additional line item on their monthly utility statement to account for a new stormwater bill. There are two unique billing issues created in billing a monthly stormwater bill – single “master” accounts and “stormwater only” accounts.

It may be necessary to create a single “master” account to which multiple meters have been consolidated. This may become necessary when there is no easily known way for the utility to allocate impervious surface area among the various tenants. For example, without detailed lease agreements, it is impossible for the City to allocate parking spaces to individual tenants in a strip mall. It will therefore be necessary to charge a single master account for the entire parcel.

“Stormwater Only” accounts will be limited to new accounts created specifically for the stormwater utility. This will be necessary for properties where no utility service is currently being provided. For example, in most cases a parking lot will not receive other utility services. It will therefore be necessary to create a stormwater only account.

APPENDIX A

SAMPLE SIZE DETERMINATION

Recommended sample sizes were determined in the following manner.

For residential parcels, the sampling program is intended to verify the average amount of impervious area per dwelling unit in order to determine the value of an equivalent dwelling unit. In order to state with confidence that the sample is representative of the entire customer class, the sample size is determined by using a standard estimating technique. This technique is based on: (1) the maximum probable error B we are willing to tolerate, (2) the expected range of responses to the sample, and (3) a desired level of confidence.

A sampling error B of 100 square feet was chosen for all residential customer classes because this value yields a manageable sample size, while still providing a reasonably accurate point estimate for the mean.

Assuming we wish to be 90% confident that the sample mean represents the population mean ± 100 square feet, the following formula may be used to determine sample size.

$$n = \frac{2.71(s)^2}{B^2}; \text{ where } B = 100, \text{ and } s = \frac{(\text{expected high} - \text{expected low})}{4}$$

If we assume that responses for single-family residences will range between 5,000 and 2,000 square feet of impervious area per unit, this formula yields a sample size of 152 developed single-family parcels.

APPENDIX B: REVENUE REQUIREMENT – SCENARIO I



City of Surprise

Stormwater Utility Rate Study

Summary

Revenue Requirement	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Revenues											
Rate Revenues Under Existing Rates	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632	\$ 2,089,612	\$ 2,095,592	\$ 2,101,572	\$ 2,107,553	\$ 2,113,533
Non-Rate Revenues	0	2,744	2,802	3,366	3,366	3,366	3,366	3,366	3,366	3,366	3,366
Total Revenues	\$ 2,053,731	\$ 2,062,455	\$ 2,068,494	\$ 2,075,037	\$ 2,081,018	\$ 2,086,998	\$ 2,092,978	\$ 2,098,958	\$ 2,104,938	\$ 2,110,918	\$ 2,116,899
Expenses											
Cash Operating Expenses	\$ 953,711	\$ 974,138	\$ 1,170,058	\$ 1,208,636	\$ 1,242,727	\$ 1,277,840	\$ 1,320,687	\$ 1,357,939	\$ 1,396,308	\$ 1,443,149	\$ 1,483,855
Existing Debt Service	-	-	-	-	-	-	-	-	-	-	-
New Debt Service	-	-	-	-	-	-	-	-	-	-	-
Rate Funded Capital	-	650,000	775,000	1,000,000	1,250,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Additions Required to Meet Operating Fund Balance	156,774	-	-	-	-	-	-	-	-	-	-
Total Expenses	\$ 1,110,485	\$ 1,624,138	\$ 1,945,058	\$ 2,208,636	\$ 2,492,727	\$ 2,777,840	\$ 2,820,687	\$ 2,857,939	\$ 2,896,308	\$ 2,943,149	\$ 2,983,855
Net Surplus (Deficiency)	\$ 943,246	\$ 438,317	\$ 123,435	\$ (133,599)	\$ (411,709)	\$ (690,842)	\$ (727,709)	\$ (758,981)	\$ (791,370)	\$ (832,230)	\$ (866,956)
Additions to Meet Coverage	-	-	-	-	-	-	-	-	-	-	-
Total Surplus (Deficiency)	\$ 943,246	\$ 438,317	\$ 123,435	\$ (133,599)	\$ (411,709)	\$ (690,842)	\$ (727,709)	\$ (758,981)	\$ (791,370)	\$ (832,230)	\$ (866,956)
% of Rate Revenue	0.00%	0.00%	0.00%	6.45%	19.82%	33.16%	34.83%	36.22%	37.66%	39.49%	41.02%
Annual Rate Adjustment	0.00%	0.00%	0.00%	6.45%	12.56%	11.13%	1.25%	1.03%	1.06%	1.33%	2.44%
Cumulative Annual Rate Adjustment	0.00%	0.00%	0.00%	6.45%	19.82%	33.16%	34.83%	36.22%	37.66%	39.49%	42.90%
Rate Revenues After Rate Increase	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,205,270	\$ 2,489,361	\$ 2,774,474	\$ 2,817,321	\$ 2,854,573	\$ 2,892,942	\$ 2,939,783	\$ 2,980,489
Additional Taxes from Rate Increase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Cash Flow After Rate Increase	1,100,020	438,317	123,435	-	0	0	-	0	-	-	-
Coverage After Rate Increases	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Sample Residential Monthly Bill	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.13	\$ 2.40	\$ 2.67	\$ 2.70	\$ 2.73	\$ 2.76	\$ 2.80	\$ 2.87
Monthly Average Increase (\$)	\$ 2.00	\$ -	\$ -	\$ 0.13	\$ 0.27	\$ 0.27	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.04	\$ 0.07



City of Surprise

Stormwater Utility Rate Study

Summary

Fund Balance	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
SEWER OPERATIONS FUND											
Beginning Balance	\$ 0	\$ 274,355	\$ 280,232	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592
plus: Net Cash Flow after Rate Increase	1,100,020	438,317	123,435	-	0	0	-	0	-	-	-
less: Transfer of Surplus to Capital Fund	(825,665)	(432,440)	(67,075)	-	-	-	-	-	-	-	-
Ending Balance	\$ 274,355	\$ 280,232	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592
Target Balance	\$ 274,355	\$ 280,232	\$ 336,592	\$ 347,690	\$ 357,497	\$ 367,598	\$ 379,924	\$ 390,640	\$ 401,678	\$ 415,152	\$ 426,862
Days	105	105	105	102	99	96	93	91	88	85	83
OPERATIONS FUND - CAPITAL PORTION											
Beginning Balance	\$ -	\$ 825,665	\$ 1,277,800	\$ 1,364,095	\$ 1,403,638	\$ 1,645,233	\$ 1,564,437	\$ 1,681,026	\$ 1,658,300	\$ 1,487,379	\$ 1,807,525
plus: Rate Funded Capital	-	650,000	775,000	1,000,000	1,250,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
plus: Transfers from Operating Fund	825,665	432,440	67,075	-	-	-	-	-	-	-	-
plus: Grants/ Donations/ CIAC	-	-	-	-	-	-	-	-	-	-	-
plus: Additional Proceeds (Costs)	-	-	-	-	-	-	-	-	-	-	-
plus: Transfers from SPA Funds for Deficit Repayment	-	-	-	-	-	-	-	-	-	-	-
plus: Net Debt Proceeds Available for Projects	-	-	-	-	-	-	-	-	-	-	-
plus: Interest Earnings	-	8,257	12,778	13,641	14,036	16,452	15,644	16,810	16,583	14,874	18,075
Total Funding Sources	\$ 825,665	\$ 1,916,362	\$ 2,132,653	\$ 2,377,736	\$ 2,667,674	\$ 3,161,685	\$ 3,080,082	\$ 3,197,836	\$ 3,174,883	\$ 3,002,253	\$ 3,325,601
less: Capital Expenditures	-	(638,562)	(768,557)	(974,098)	(1,022,441)	(1,597,248)	(1,399,056)	(1,539,536)	(1,687,504)	(1,194,727)	(1,232,523)
less: Transfers to SPA Funds	-	-	-	-	-	-	-	-	-	-	-
Ending Working Capital Balance	\$ 825,665	\$ 1,277,800	\$ 1,364,095	\$ 1,403,638	\$ 1,645,233	\$ 1,564,437	\$ 1,681,026	\$ 1,658,300	\$ 1,487,379	\$ 1,807,525	\$ 2,093,078
Minimum Target Balance	\$ 200,000	\$ 212,771	\$ 228,142	\$ 247,624	\$ 268,073	\$ 300,018	\$ 327,999	\$ 358,790	\$ 392,540	\$ 416,435	\$ 441,085
COMBINED BEGINNING BALANCE	\$ 0	\$ 1,100,020	\$ 1,558,031	\$ 1,700,687	\$ 1,740,230	\$ 1,981,825	\$ 1,901,029	\$ 2,017,618	\$ 1,994,892	\$ 1,823,971	\$ 2,144,118
COMBINED ENDING BALANCE	\$ 1,100,020	\$ 1,558,031	\$ 1,700,687	\$ 1,740,230	\$ 1,981,825	\$ 1,901,029	\$ 2,017,618	\$ 1,994,892	\$ 1,823,971	\$ 2,144,118	\$ 2,429,670



City of Surprise
Stormwater Utility Rate Study
Assumptions

July 2015 - June 2016

Economic & Financial Factors		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
1	General Cost Inflation	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
2	Construction Cost Inflation	3.16%	3.16%	3.16%	3.16%	3.16%	3.16%	3.16%	3.16%	3.16%	3.16%	3.16%	3.16%
3	Labor Cost Inflation	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
4	Benefit Cost Inflation	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
5	Customer Growth	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.28%	0.28%
6	General Inflation plus Growth	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.29%	3.29%	3.29%	3.29%
7	No Escalation	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
8	PILOT	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
9	Franchise Fee	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10	Fuel Cost Escalation	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%
11	[Extra]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fund Earnings		0.50%	0.75%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%

Accounting Assumptions		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
FISCAL POLICY RESTRICTIONS													
Min. Op. Fund Balance (days of O&M expense)		60	60	60	60	60	60	60	60	60	60	60	60
Max. Op. Fund Balance (days of O&M expense)		105	105	105	105	105	105	105	105	105	105	105	105
Minimum Capital Fund Balance Target													
Select Minimum Capital Fund Balance Target		1	Defined as % of Plant										
1 - Defined as % of Plant													
Plant-in-Service in 2015		\$ 10,000,000											
Minimum Capital Fund Balance - % of plant assets		2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
2 - Amount at Right ==>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RATE FUNDED SYSTEM REINVESTMENT													
Select Reinvestment Funding Strategy		3	User Input										
Amount of Annual Cash Funding from Rates													
1 - Equal to Annual Depreciation Expense		\$ -	\$ -	\$ 12,771	\$ 28,142	\$ 47,624	\$ 68,073	\$ 100,018	\$ 127,999	\$ 158,790	\$ 192,540	\$ 216,435	\$ 216,435
2 - Equal to Depreciation less Annual Debt Principal Payments		-	-	12,771	28,142	47,624	68,073	100,018	127,999	158,790	192,540	216,435	216,435
3 - Equal to Amount at Right ==>		-	-	650,000	775,000	1,000,000	1,250,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
4 - Do Not Fund Depreciation													

Capital Financing Assumptions	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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City of Surprise

Stormwater Utility Rate Study

Assumptions

July 2015 - June 2016

FUNDING SOURCES																				
Grants	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Additional Proceeds (Costs)																				
[Extra line]	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
[Extra line]		-		-		-		-		-		-		-		-		-		-
[Extra line]		-		-		-		-		-		-		-		-		-		-
[Extra line]		-		-		-		-		-		-		-		-		-		-
[Extra line]		-		-		-		-		-		-		-		-		-		-
Total Additional Proceeds	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
REVENUE BONDS																				
Term (years)	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Interest Cost	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Issuance Cost	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
Revenue Bond Coverage Requirement	1.25																			
OTHER LOANS																				
Term (years)	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Interest Cost	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
OTHER LOW COST LOANS																				
Term (years)	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Interest Cost	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Issuance Cost	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Other Assumptions	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Customer Growth															
Projected New Equivalent Dwelling Units (EDUs)	100.00%		of Original Growth Projections					Based on previous 5 year average growth projections							
SPA 1	-	-	-	250	250	250	250	250	250	250	250	250	250	250	250
SPA 2	-	-	-	20	20	20	20	20	20	20	20	20	20	20	20
SPA 3	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1
Total New EDUs	-	-	-	271	271	271	271	271	271	271	271	271	271	271	271
Cumulative EDUs	92,526	92,526	92,526	92,797	93,068	93,339	93,610	93,881	94,152	94,423	94,694	94,965	95,236	95,507	95,778
EDU Growth Rate	0.00%	0.00%	0.00%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.28%	0.28%
PILOT Tax Components															
Capital Assets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARS Assessed Valuation Annual Year Percentage	19.50%	19.00%	18.50%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%
ARS Assessed Valuation Fiscal Year Percentage	19.75%	19.25%	18.75%	18.25%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%
Primary Property Tax Rate	0.7383%	0.7783%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%
Payment in Lieu of Taxes	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



City of Surprise

Stormwater Utility Rate Study

Operating Revenue and Expenditure Forecast

			Actual	Budget	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	
Revenues			FORECAST BASIS	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Rate Revenues																
Rate Revenues	5	Customer Growth	\$ -	\$ 0	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632	\$ 2,089,612	\$ 2,095,592	\$ 2,101,572	\$ 2,107,553	\$ 2,113,533	
[Extra]	7	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Rate Revenue			\$ -	\$ 0	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632	\$ 2,089,612	\$ 2,095,592	\$ 2,101,572	\$ 2,107,553	\$ 2,113,533	
Non-Rate Revenues																
31813 Interest Income	7	No Escalation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31543 Federal Grant Revenue - SPA 1	7	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31432 Line Extension Fees	7	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31461 Revenue Recovery-Utility Bill	7	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31816 Unrealized Gain/Loss	7	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
[Extra]	7	No Escalation	-	600,470	-	-	-	-	-	-	-	-	-	-	-	-
Total Non-Rate Revenues			\$ -	\$ 600,470	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL REVENUES			\$ -	\$ 600,470	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632	\$ 2,089,612	\$ 2,095,592	\$ 2,101,572	\$ 2,107,553	\$ 2,113,533	

Expenses			FORECAST BASIS	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
544 Stormwater Streets Fund																
516 ROW																
Personnel/Salaries																
36111 Full Time Salaries	3	Labor Cost Inflation	24,479	28,640	29,499	30,384	31,296	32,235	33,202	34,198	35,224	36,280	37,369	38,490	39,644	
36113 Overtime Compensation	3	Labor Cost Inflation	368	700	721	743	765	788	811	836	861	887	913	941	969	
36115 Holidays	4	Benefit Cost Inflation	1,338	-	-	-	-	-	-	-	-	-	-	-	-	-
36116 Paid Time Off	4	Benefit Cost Inflation	2,730	-	-	-	-	-	-	-	-	-	-	-	-	-
36151 Stipend	4	Benefit Cost Inflation	46	50	52	53	55	56	58	60	61	63	65	67	69	
36211 FICA	4	Benefit Cost Inflation	2,081	2,250	2,318	2,387	2,459	2,532	2,608	2,687	2,767	2,850	2,936	3,024	3,115	
36231 Medical	4	Benefit Cost Inflation	6,743	7,030	7,241	7,458	7,682	7,912	8,150	8,394	8,646	8,905	9,173	9,448	9,731	
36232 Dental	4	Benefit Cost Inflation	330	330	340	350	361	371	383	394	406	418	431	443	457	
36233 Vision	4	Benefit Cost Inflation	54	50	52	53	55	56	58	60	61	63	65	67	69	
36234 Life	4	Benefit Cost Inflation	122	130	134	138	142	146	151	155	160	165	170	175	180	
36252 AZ State Retirement	4	Benefit Cost Inflation	3,342	3,410	3,512	3,618	3,726	3,838	3,953	4,072	4,194	4,320	4,449	4,583	4,720	
36278 Workers Compensation	4	Benefit Cost Inflation	1,790	1,730	1,782	1,835	1,890	1,947	2,006	2,066	2,128	2,192	2,257	2,325	2,395	
Commodities/Supplies																
37111 Office Supplies	1	General Cost Inflation	6	20	21	21	22	23	23	24	25	25	26	27	28	
37131 Clothing & Uniforms	1	General Cost Inflation	74	80	82	85	87	90	93	96	98	101	104	108	111	
37142 Phone Supplies	1	General Cost Inflation	89	-	-	-	-	-	-	-	-	-	-	-	-	-
37161 Operational Supplies	1	General Cost Inflation	714	350	361	371	382	394	406	418	430	443	457	470	484	
37165 Mach. & Equipment <\$10,000	1	General Cost Inflation	1,155	1,550	1,597	1,644	1,694	1,745	1,797	1,851	1,906	1,963	2,022	2,083	2,146	
37193 Safety & First Aid Supplies	1	General Cost Inflation	371	500	515	530	546	563	580	597	615	633	652	672	692	
37211 Gas & Fuel	1	General Cost Inflation	5,193	5,200	5,356	5,517	5,682	5,853	6,028	6,209	6,395	6,587	6,785	6,988	7,198	
37212 Auto Parts & Lubricants	1	General Cost Inflation	1,673	5,160	5,315	5,474	5,638	5,808	5,982	6,161	6,346	6,537	6,733	6,935	7,143	
37223 Agricultural/Grounds Supplies	1	General Cost Inflation	1,434	1,000	1,030	1,061	1,093	1,126	1,159	1,194	1,230	1,267	1,305	1,344	1,384	
37233 Street Repair Supplies	1	General Cost Inflation	199	-	-	-	-	-	-	-	-	-	-	-	-	-
Contractual Services																
38162 Landscape Services	1	General Cost Inflation	29,078	36,695	37,796	38,930	40,098	41,301	42,540	43,816	45,130	46,484	47,879	49,315	50,794	
38199 Other Prof/Tech Services	1	General Cost Inflation	127	500	515	530	546	563	580	597	615	633	652	672	692	
38211 Water	1	General Cost Inflation	9,699	9,920	10,218	10,524	10,840	11,165	11,500	11,845	12,200	12,566	12,943	13,332	13,732	
38212 Electricity	1	General Cost Inflation	700	720	742	764	787	810	835	860	886	912	939	968	997	
38216 Sanitary/Landfill	1	General Cost Inflation	676	1,500	1,545	1,591	1,639	1,688	1,739	1,791	1,845	1,900	1,957	2,016	2,076	
38221 Cell Phone/Pagers	1	General Cost Inflation	252	-	-	-	-	-	-	-	-	-	-	-	-	-
38324 Machinery & Equip. Maint.	1	General Cost Inflation	337	-	-	-	-	-	-	-	-	-	-	-	-	-
38331 Vehicle Maintenance	1	General Cost Inflation	3,334	2,500	2,575	2,652	2,732	2,814	2,898	2,985	3,075	3,167	3,262	3,360	3,461	
38372 Pest Control Services	1	General Cost Inflation	124	120	124	127	131	135	139	143	148	152	157	161	166	
38381 Grounds Maintenance	1	General Cost Inflation	6,984	6,000	6,180	6,365	6,556	6,753	6,956	7,164	7,379	7,601	7,829	8,063	8,305	
38591 Other Rental/Leases	1	General Cost Inflation	290	300	309	318	328	338	348	358	369	380	391	403	415	
38922 Travel & Training	1	General Cost Inflation	41	130	134	138	142	146	151	155	160	165	170	175	180	
38924 Dues & Memberships	1	General Cost Inflation	90	-	-	-	-	-	-	-	-	-	-	-	-	-
38927 EE Certification & Licensing	1	General Cost Inflation	138	-	-	-	-	-	-	-	-	-	-	-	-	-
38991 Uniform/Laundry Services	1	General Cost Inflation	113	200	206	212	219	225	232	239	246	253	261	269	277	
517 Street Sweeping																
Personnel/Salaries																
36111 Full Time Salaries	3	Labor Cost Inflation	113,701	167,130	172,144	177,308	182,627	188,106	193,749	199,562	205,549	211,715	218,067	224,609	231,347	
36113 Overtime Compensation	3	Labor Cost Inflation	6,164	4,545	4,681	4,822	4,966	5,115	5,269	5,427	5,590	5,757	5,930	6,108	6,291	
36115 Holidays	4	Benefit Cost Inflation	5,883	-	-	-	-	-	-	-	-	-	-	-	-	-
36116 Paid Time Off	4	Benefit Cost Inflation	11,464	-	-	-	-	-	-	-	-	-	-	-	-	-
36151 Stipend	4	Benefit Cost Inflation	-	315	324	334	344	355	365	376	387	399	411	423	436	
36211 FICA	4	Benefit Cost Inflation	9,872	13,140	13,534	13,940	14,358	14,789	15,233	15,690	16,161	16,645	17,145	17,659	18,189	
36231 Medical	4	Benefit Cost Inflation	27,146	35,730	36,802	37,906	39,043	40,214	41,421	42,663	43,943	45,262	46,620	48,018	49,459	
36232 Dental	4	Benefit Cost Inflation	2,151	2,610	2,688	2,769	2,852	2,938	3,026	3,116	3,210	3,306	3,405	3,508	3,613	
36233 Vision	4	Benefit Cost Inflation	326	360	371	382	393	405	417	430	443	456	470	484	498	



City of Surprise

Stormwater Utility Rate Study

Operating Revenue and Expenditure Forecast

				Actual	Budget	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
36234	Life	4	Benefit Cost Inflation	562	720	742	764	787	810	835	860	886	912	939	968	997
36252	AZ State Retirement	4	Benefit Cost Inflation	15,903	19,935	20,533	21,149	21,784	22,437	23,110	23,803	24,518	25,253	26,011	26,791	27,595
36278	Workers Compensation	4	Benefit Cost Inflation	9,450	9,270	9,548	9,835	10,130	10,433	10,746	11,069	11,401	11,743	12,095	12,458	12,832
Commodities/Supplies																
37131	Clothing & Uniforms	1	General Cost Inflation	322	315	324	334	344	355	365	376	387	399	411	423	436
37142	Phone Supplies	1	General Cost Inflation	351	-	-	-	-	-	-	-	-	-	-	-	-
37161	Operational Supplies	1	General Cost Inflation	498	-	-	-	-	-	-	-	-	-	-	-	-
37165	Mach. & Equipment <\$10,000	1	General Cost Inflation	13,270	12,600	12,978	13,367	13,768	14,181	14,607	15,045	15,496	15,961	16,440	16,933	17,441
37193	Safety & First Aid Supplies	1	General Cost Inflation	557	855	881	907	934	962	991	1,021	1,052	1,083	1,116	1,149	1,184
37211	Gas & Fuel	1	General Cost Inflation	30,734	29,385	30,267	31,175	32,110	33,073	34,065	35,087	36,140	37,224	38,341	39,491	40,676
37212	Auto Parts & Lubricants	1	General Cost Inflation	21,394	24,165	24,890	25,637	26,406	27,198	28,014	28,854	29,720	30,611	31,530	32,476	33,450
37232	Chemical Supplies	1	General Cost Inflation	917	-	-	-	-	-	-	-	-	-	-	-	-
Contractual Services																
38211	Water	1	General Cost Inflation	4,059	4,815	4,959	5,108	5,261	5,419	5,582	5,749	5,922	6,099	6,282	6,471	6,665
38216	Sanitary/Landfill	1	General Cost Inflation	29,138	20,250	20,858	21,483	22,128	22,792	23,475	24,180	24,905	25,652	26,422	27,214	28,031
38217	Postage & Mailings	1	General Cost Inflation	323	-	-	-	-	-	-	-	-	-	-	-	-
38324	Machinery & Equip. Maint.	1	General Cost Inflation	113	-	-	-	-	-	-	-	-	-	-	-	-
38331	Vehicle Maintenance	1	General Cost Inflation	9,927	5,040	5,191	5,347	5,507	5,673	5,843	6,018	6,199	6,385	6,576	6,773	6,977
38922	Travel & Training	1	General Cost Inflation	27	135	139	143	148	152	157	161	166	171	176	181	187
38924	Dues & Memberships	1	General Cost Inflation	405	-	-	-	-	-	-	-	-	-	-	-	-
38951	Printing	1	General Cost Inflation	26	-	-	-	-	-	-	-	-	-	-	-	-
38991	Uniform/Laundry Services	1	General Cost Inflation	457	990	1,020	1,050	1,082	1,114	1,148	1,182	1,218	1,254	1,292	1,330	1,370
643 Stormwater Sewer Fund																
601 Collections WW																
Personnel/Salaries																
36111	Full Time Salaries	3	Labor Cost Inflation	-	75,100	77,353	79,674	82,064	84,526	87,061	89,673	92,364	95,134	97,988	100,928	103,956
36151	Stipend	4	Benefit Cost Inflation	-	500	515	530	546	563	580	597	615	633	652	672	692
36211	FICA	4	Benefit Cost Inflation	-	4,700	4,841	4,986	5,136	5,290	5,449	5,612	5,780	5,954	6,132	6,316	6,506
36211	FICA	4	Benefit Cost Inflation	-	1,100	1,133	1,167	1,202	1,238	1,275	1,313	1,353	1,393	1,435	1,478	1,523
36231	Medical	4	Benefit Cost Inflation	-	11,000	11,330	11,670	12,020	12,381	12,752	13,135	13,529	13,934	14,353	14,783	15,227
36232	Dental	4	Benefit Cost Inflation	-	600	618	637	656	675	696	716	738	760	783	806	831
36233	Vision	4	Benefit Cost Inflation	-	100	103	106	109	113	116	119	123	127	130	134	138
36234	Life	4	Benefit Cost Inflation	-	300	309	318	328	338	348	358	369	380	391	403	415
36252	AZ State Retirement	4	Benefit Cost Inflation	-	8,800	9,064	9,336	9,616	9,904	10,202	10,508	10,823	11,148	11,482	11,826	12,181
36278	Workers Compensation	4	Benefit Cost Inflation	-	100	103	106	109	113	116	119	123	127	130	134	138
Commodities/Supplies																
37111	Office Supplies	1	General Cost Inflation	-	100	103	106	109	113	116	119	123	127	130	134	138
37114	Books & Subscriptions	1	General Cost Inflation	-	500	515	530	546	563	580	597	615	633	652	672	692
37131	Clothing & Uniforms	1	General Cost Inflation	-	200	206	212	219	225	232	239	246	253	261	269	277
37193	Safety & First Aid Supplies	1	General Cost Inflation	-	300	309	318	328	338	348	358	369	380	391	403	415
Contractual Services																
38922	Travel & Training	1	General Cost Inflation	-	3,100	3,193	3,289	3,387	3,489	3,594	3,702	3,813	3,927	4,045	4,166	4,291
38924	Dues & Memberships	1	General Cost Inflation	-	2,800	2,884	2,971	3,060	3,151	3,246	3,343	3,444	3,547	3,653	3,763	3,876
38925	Federal Mileage Allowance	1	General Cost Inflation	-	100	103	106	109	113	116	119	123	127	130	134	138
645 Stormwater General Fund																
112 General Operation																
Commodities/Supplies																
37111	Office Supplies	1	General Cost Inflation	80	100	103	106	109	113	116	119	123	127	130	134	138
37112	Computer Supplies	1	General Cost Inflation	-	100	103	106	109	113	116	119	123	127	130	134	138
37114	Books & Subscriptions	1	General Cost Inflation	111	500	515	530	546	563	580	597	615	633	652	672	692
37131	Clothing & Uniforms	1	General Cost Inflation	217	-	-	-	-	-	-	-	-	-	-	-	-
37165	Mach. & Equipment <\$10,000	1	General Cost Inflation	19	-	-	-	-	-	-	-	-	-	-	-	-
37194	Community Relations Supplies	1	General Cost Inflation	660	1,200	1,236	1,273	1,311	1,351	1,391	1,433	1,476	1,520	1,566	1,613	1,661
37211	Gas & Fuel	1	General Cost Inflation	549	600	618	637	656	675	696	716	738	760	783	806	831
37212	Auto Parts & Lubricants	1	General Cost Inflation	30	200	206	212	219	225	232	239	246	253	261	269	277
37997	Education & Training Supplies	1	General Cost Inflation	151	200	206	212	219	225	232	239	246	253	261	269	277
Contractual Services																
38124	Audit Services	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-	-
38128	Recording, License & Permit Fees	1	General Cost Inflation	11,900	14,000	14,420	14,853	15,298	15,757	16,230	16,717	17,218	17,735	18,267	18,815	19,379
38199	Other Prof/Tech Services	1	General Cost Inflation	10,720	-	-	-	-	-	-	-	-	-	-	-	-
38217	Postage & Mailings	1	General Cost Inflation	-	100	103	106	109	113	116	119	123	127	130	134	138
38912	Risk Insurance Premium	1	General Cost Inflation	917	1,000	1,030	1,061	1,093	1,126	1,159	1,194	1,230	1,267	1,305	1,344	1,384
38922	Travel & Training	1	General Cost Inflation	95	1,400	1,442	1,485	1,530	1,576	1,623	1,672	1,722	1,773	1,827	1,881	1,938
38924	Dues & Memberships	1	General Cost Inflation	2,750	2,600	2,678	2,758	2,841	2,926	3,014	3,105	3,198	3,294	3,392	3,494	3,599
38951	Printing	1	General Cost Inflation	831	-	-	-	-	-	-	-	-	-	-	-	-
Future Operational Needs																
22531-64	Wastewater Manager	1	General Cost Inflation	-	-	33,424	34,426	35,459	36,523	37,618	38,747	39,909	41,107	42,340	43,610	44,918
21111-54	Public Works Director	1	General Cost Inflation	-	-	19,271	19,849	20,445	21,058	21,690	22,341	23,011	23,701	24,412	25,145	25,899
22531-64	Assistant Director Utilities	1	General Cost Inflation	-	-	32,692	33,673	34,683	35,724	36,795	37,899	39,036	40,207	41,414	42,656	43,936
21111-54	Business Manager	1	General Cost Inflation	-	-	7,220	7,437	7,660	7,890	8,127	8,370	8,621	8,880	9,146	9,421	9,703



City of Surprise
Stormwater Utility Rate Study
Operating Revenue and Expenditure Forecast

			Actual	Budget	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection														
21111-54	Administrative Technician - Business Support	1	General Cost Inflation	-	-	3,394	3,496	3,601	3,709	3,820	3,934	4,052	4,174	4,299	4,428	4,561														
21111-54	Sr. Financial Analyst	1	General Cost Inflation	-	-	4,362	4,493	4,628	4,767	4,910	5,057	5,209	5,365	5,526	5,691	5,862														
21111-54	Business Analyst	1	General Cost Inflation	-	-	5,614	5,782	5,955	6,134	6,318	6,508	6,703	6,904	7,111	7,324	7,544														
Indirect Cost allocation Citywide Staff		7	No Escalation	-	-	66,800	66,800	66,800	72,280	72,280	72,280	78,960	78,960	78,960	86,280	86,280														
Franchise Fee			Calculated	-	-	-	-	-	-	-	-	-	-	-	-	-														
Payments in lieu of property tax (PILOT)			Calculated	-	-	-	-	-	-	-	-	-	-	-	-	-														
22531-64	Collections & Stormwater Supervisor	1	General Cost Inflation	-	-	49,700	51,191	52,727	54,309	55,938	57,616	59,344	61,125	62,958	64,847	66,793														
22531-64	Stormwater Operator	1	General Cost Inflation	-	-	-	-	84,700	87,241	89,858	92,554	95,331	98,191	101,136	104,170	107,295														
22531-64	Stormwater Inspector/Code Compliance	1	General Cost Inflation	-	-	-	-	84,000	86,520	89,116	91,789	94,543	97,379	100,300	103,309	106,409														
22531-64	Maint of City owned drywells (3-5/yr)	1	General Cost Inflation	-	-	25,750	26,523	27,318	28,138	28,982	29,851	30,747	31,669	32,619	33,598	34,606														
37131	Uniform Purchase	1	General Cost Inflation	-	-	400	412	424	437	450	464	478	492	507	522	538														
37161	Operational Supplies	1	General Cost Inflation	-	-	5,000	5,150	5,305	5,464	5,628	5,796	5,970	6,149	6,334	6,524	6,720														
37162	Furniture, Fixtures, and Equipment (computers one-	1	General Cost Inflation	-	-	6,000	-	-	-	-	-	-	-	-	-	-														
37165	Operational Equipment, Tools, and Parts	1	General Cost Inflation	-	-	5,000	5,150	5,305	5,464	5,628	5,796	5,970	6,149	6,334	6,524	6,720														
37193	Safety & First Aid Supplies	1	General Cost Inflation	-	-	2,000	2,060	2,122	2,185	2,251	2,319	2,388	2,460	2,534	2,610	2,688														
37211	Gas & Fuel	1	General Cost Inflation	-	-	6,000	6,180	6,365	6,556	6,753	6,956	7,164	7,379	7,601	7,829	8,063														
37212	Auto Parts & Lubricants	1	General Cost Inflation	-	-	2,500	2,575	2,652	2,732	2,814	2,898	2,985	3,075	3,167	3,262	3,360														
37998	Photography Supplies	1	General Cost Inflation	-	-	100	103	106	109	113	116	119	123	127	130	134														
38199	Professional & Outside Services	1	General Cost Inflation	-	-	10,000	10,300	10,609	10,927	11,255	11,593	11,941	12,299	12,668	13,048	13,439														
38216	Sanitary/Landfill	1	General Cost Inflation	-	-	5,000	5,150	5,305	5,464	5,628	5,796	5,970	6,149	6,334	6,524	6,720														
38221	Cell Phone/Pagers	1	General Cost Inflation	-	-	500	515	530	546	563	580	597	615	633	652	672														
38324	Machinery & Equipment Maintenance	1	General Cost Inflation	-	-	5,000	5,150	5,305	5,464	5,628	5,796	5,970	6,149	6,334	6,524	6,720														
38331	Vehicle Maintenance	1	General Cost Inflation	-	-	3,500	3,605	3,713	3,825	3,939	4,057	4,179	4,305	4,434	4,567	4,704														
38351	Wells/Sewer/Lines/Etc.	1	General Cost Inflation	-	-	30,000	30,900	31,827	32,782	33,765	34,778	35,822	36,896	38,003	39,143	40,317														
38521	Equipment Rental	1	General Cost Inflation	-	-	1,000	1,030	1,061	1,093	1,126	1,159	1,194	1,230	1,267	1,305	1,344														
38922	Travel & Training	1	General Cost Inflation	-	-	2,500	2,575	2,652	2,732	2,814	2,898	2,985	3,075	3,167	3,262	3,360														
38991	Uniform/Laundry Services	1	General Cost Inflation	-	-	2,500	2,575	2,652	2,732	2,814	2,898	2,985	3,075	3,167	3,262	3,360														
Other																														
Add'l O&M from CIP			From CIP	-	-	-	-	-	-	-	-	-	-	-	-	-														
Total Cash O&M Expenditures				\$	450,487	\$	600,470	\$	953,711	\$	974,138	\$	1,170,058	\$	1,208,636	\$	1,242,727	\$	1,277,840	\$	1,320,687	\$	1,357,939	\$	1,396,308	\$	1,443,149	\$	1,483,855	
Depreciation Expense in FY2013			\$	-																										
Depreciation Expense			Last year's plus annual add'l from CIP	\$	-	\$	-	\$	-	\$	12,771	\$	28,142	\$	47,624	\$	68,073	\$	100,018	\$	127,999	\$	158,790	\$	192,540	\$	216,435	\$	216,435	
			debt principal payments	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
			System Reinvestment Funding	\$	-	\$	-	\$	-	\$	12,771	\$	28,142	\$	47,624	\$	68,073	\$	100,018	\$	127,999	\$	158,790	\$	192,540	\$	216,435	\$	216,435	
TOTAL EXPENSES				\$	450,487	\$	600,470	\$	953,711	\$	986,909	\$	1,198,201	\$	1,256,260	\$	1,310,800	\$	1,377,858	\$	1,448,686	\$	1,516,729	\$	1,588,848	\$	1,659,583	\$	1,700,289	
				Capital Outlays	\$	19	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

Project Costs and O&M Impacts in Year:	FY 2016
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No	Description	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
1	Fund 21112												
2	Martin Acres Flood Control	\$ -											
3	107th & Union Hills Drainage	-											
4	Elm Street & Nash OTS Drainage Improvements												
5	Greasewood Street & Lizard Acres Wash OTS			250,000									
6	Paradise Lane & El Mirage Rd OTS Drainage			250,000	650,000								
7	Santa Fe Drive OTS Drainage Improvements					350,000							
8	Greenway Rd OTS Drainage Improvements					300,000							
9	Sections 10 & 11 Drainage & Roadway Improvements					150,000	350,000	250,000	250,000	250,000	250,000		
10	Additional Projects												
11	Cactus & Reems					50,000	250,000	250,000					
12	Bell Rd (EB)-Sarival to Reems												
13	Peoria & Litchfield					10,000	50,000	50,000					
14	Peoria & Sarival						25,000	125,000	125,000				
15	Greenway-Litchfield To Bullard						25,000	125,000	125,000				
16	WB Waddell-BT Cotton & 175TH						25,000	125,000	125,000				
17	Cactus & 155th Ave												
18	Cotton Ln-BT Peoria & Greenway						150,000	400,000	500,000	750,000	500,000	500,000	500,000
19	Laural Lane & Litchfield Rd												
20	Jerry St & Ironwood									200,000	400,000		
21	211th & Deer Valley										25,000	125,000	125,000
22	Pinnacle Peak-W of Citrus										25,000	125,000	125,000
23	219th & Pinnacle Peak										25,000	125,000	125,000
24	183rd & Happy Valley												
25	Enoch-West OF Citrus												
26	NW Cor Peoria/Greer Ranch Pkwy												
27	Cactus Rd between Litchfield and Bullard												
28	Deer Valley Road SPA3 Interceptor Sewer												
29	Acoma & Cotton Lane												
30	Norwich - Citrus to Grand												
31	152nd @ Acoma												
32	Happy Valley 1/4 mile west of Citrus												
33	Retention Basin south of Ocotillo, East of Litchfield												
34	SEC Litchfield/Greenway			50,000	50,000								
35	Autoshow and Cactus												
36	Heritage Park in Marley Park										50,000		
37	Auto Show Dr-BT Waddell & Cactus												
38	CACTUS & L303												
39	Cactus and Citrus			15,000									
40	151st Avenue and Tierra Buena			35,000									
41													
Total Capital Projects		\$ -	\$ -	\$ 600,000	\$ 700,000	\$ 860,000	\$ 875,000	\$ 1,325,000	\$ 1,125,000	\$ 1,200,000	\$ 1,275,000	\$ 875,000	\$ 875,000
Projects by Grants / Developer Donations		-	-	-	-	-	-	-	-	-	-	-	-
Projects by Enterprise Fund		-	-	600,000	700,000	860,000	875,000	1,325,000	1,125,000	1,200,000	1,275,000	875,000	875,000



City of Surprise

Stormwater Utility Rate Study

Revenue Requirements Analysis

Cash Flow Sufficiency Test	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
EXPENSES												
Cash Operating Expenses	\$ 600,470	\$ 953,711	\$ 974,138	\$ 1,170,058	\$ 1,208,636	\$ 1,242,727	\$ 1,277,840	\$ 1,320,687	\$ 1,357,939	\$ 1,396,308	\$ 1,443,149	\$ 1,483,855
Existing Debt Service	-	-	-	-	-	-	-	-	-	-	-	-
New Debt Service	-	-	-	-	-	-	-	-	-	-	-	-
Rate Funded Capital	-	-	650,000	775,000	1,000,000	1,250,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Additions Required to Meet Operating Fund Balance	-	156,774	-	-	-	-	-	-	-	-	-	-
Total Expenses	\$ 600,470	\$ 1,110,485	\$ 1,624,138	\$ 1,945,058	\$ 2,208,636	\$ 2,492,727	\$ 2,777,840	\$ 2,820,687	\$ 2,857,939	\$ 2,896,308	\$ 2,943,149	\$ 2,983,855
REVENUES												
Rate Revenue	\$ 0	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632	\$ 2,089,612	\$ 2,095,592	\$ 2,101,572	\$ 2,107,553	\$ 2,113,533
Non Rate Revenue	600,470	-	-	-	-	-	-	-	-	-	-	-
Operating Fund & Debt Reserve Fund Interest Earnings	-	0	2,744	2,802	3,366	3,366	3,366	3,366	3,366	3,366	3,366	3,366
Total Revenue	\$ 600,470	\$ 2,053,731	\$ 2,062,455	\$ 2,068,494	\$ 2,075,037	\$ 2,081,018	\$ 2,086,998	\$ 2,092,978	\$ 2,098,958	\$ 2,104,938	\$ 2,110,918	\$ 2,116,899
NET CASH FLOW (DEFICIENCY)	\$ 0	\$ 943,246	\$ 438,317	\$ 123,435	\$ (133,599)	\$ (411,709)	\$ (690,842)	\$ (727,709)	\$ (758,981)	\$ (791,370)	\$ (832,230)	\$ (866,956)
% of Rate Revenue	-100.00%	-45.93%	-21.28%	-5.98%	6.45%	19.82%	33.16%	34.83%	36.22%	37.66%	39.49%	41.02%

Coverage Sufficiency Test - Revenue Bonds	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
EXPENSES												
Total Cash Operating Expenses (less Capital Outlays)	\$ 600,470	\$ 953,711	\$ 974,138	\$ 1,170,058	\$ 1,208,636	\$ 1,242,727	\$ 1,277,840	\$ 1,320,687	\$ 1,357,939	\$ 1,396,308	\$ 1,443,149	\$ 1,483,855
Revenue Bond Debt Service	-	-	-	-	-	-	-	-	-	-	-	-
Revenue Bond Coverage Requirement at 1.25	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenses	\$ 600,470	\$ 953,711	\$ 974,138	\$ 1,170,058	\$ 1,208,636	\$ 1,242,727	\$ 1,277,840	\$ 1,320,687	\$ 1,357,939	\$ 1,396,308	\$ 1,443,149	\$ 1,483,855
ALLOWABLE REVENUES												
Rate Revenue	\$ 0	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632	\$ 2,089,612	\$ 2,095,592	\$ 2,101,572	\$ 2,107,553	\$ 2,113,533
Other Revenue	600,470	-	-	-	-	-	-	-	-	-	-	-
Interest Earnings - All Funds	-	0	11,000	15,580	17,007	17,402	19,818	19,010	20,176	19,949	18,240	21,441
Total Revenue	\$ 600,470	\$ 2,053,731	\$ 2,070,711	\$ 2,081,272	\$ 2,088,678	\$ 2,095,054	\$ 2,103,450	\$ 2,108,622	\$ 2,115,768	\$ 2,121,521	\$ 2,125,792	\$ 2,134,974
Coverage Realized	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
COVERAGE SURPLUS (DEFICIENCY)	\$ 0	\$ 1,100,020	\$ 1,096,573	\$ 911,213	\$ 880,042	\$ 852,327	\$ 825,610	\$ 787,935	\$ 757,830	\$ 725,213	\$ 682,644	\$ 651,119



City of Surprise
Stormwater Utility Rate Study
Revenue Requirements Analysis

Maximum Revenue Deficiency	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Sufficiency Test Driving the Deficiency	None	None	None	None	Cash	Cash	Cash	Cash	Cash	Cash	Cash	Cash
Maximum Deficiency From Tests	\$ -	\$ -	\$ -	\$ -	\$ 133,599	\$ 411,709	\$ 690,842	\$ 727,709	\$ 758,981	\$ 791,370	\$ 832,230	\$ 866,956
less: Net Revenue From Prior Rate Increases	-	-	-	-	-	(133,984)	(412,894)	(692,825)	(729,792)	(761,146)	(793,622)	(795,874)
Revenue Deficiency	\$ -	\$ -	\$ -	\$ -	\$ 133,599	\$ 277,725	\$ 277,948	\$ 34,884	\$ 29,189	\$ 30,223	\$ 38,608	\$ 71,082
Plus: Adjustment for State Excise Tax	-	-	-	-	-	-	-	-	-	-	-	-
Total Revenue Deficiency	\$ -	\$ -	\$ -	\$ -	\$ 133,599	\$ 277,725	\$ 277,948	\$ 34,884	\$ 29,189	\$ 30,223	\$ 38,608	\$ 71,082

Rate Increases	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Rate Revenue with no Increase	\$ 0	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632	\$ 2,089,612	\$ 2,095,592	\$ 2,101,572	\$ 2,107,553	\$ 2,113,533
Revenues from Prior Rate Increases	-	-	-	-	-	133,984	412,894	692,825	729,792	761,146	793,622	795,874
Rate Revenue Before Rate Increase (Incl. previous increases)	0	2,053,731	2,059,711	2,065,691	2,071,672	2,211,636	2,496,526	2,782,437	2,825,384	2,862,719	2,901,174	2,909,406
Required Annual Rate Increase	0.00%	0.00%	0.00%	0.00%	6.45%	12.56%	11.13%	1.25%	1.03%	1.06%	1.33%	2.44%
Number of Months New Rates Will Be In Effect	12	12	12	12	12	12	12	12	12	12	12	12
Info: Percentage Increase to Generate Required Revenue	0.00%	0.00%	0.00%	0.00%	6.45%	12.56%	11.13%	1.25%	1.03%	1.06%	1.33%	2.44%
Policy Induced Rate Increases	0.00%											
ANNUAL RATE INCREASE	0.00%	0.00%	0.00%	0.00%	6.45%	12.56%	11.13%	1.25%	1.03%	1.06%	1.33%	2.44%
CUMULATIVE RATE INCREASE	0.00%	0.00%	0.00%	0.00%	6.45%	19.82%	33.16%	34.83%	36.22%	37.66%	39.49%	42.90%

Impacts of Rate Increases	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Rate Revenues After Rate Increase	\$ 0	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,205,270	\$ 2,489,361	\$ 2,774,474	\$ 2,817,321	\$ 2,854,573	\$ 2,892,942	\$ 2,939,783	\$ 2,980,489
Full Year Rate Revenues After Rate Increase	0	2,053,731	2,059,711	2,065,691	2,205,270	2,489,361	2,774,474	2,817,321	2,854,573	2,892,942	2,939,783	3,020,153
Additional State Taxes Due to Rate Increases	-	-	-	-	-	-	-	-	-	-	-	-
Net Cash Flow After Rate Increase	0	1,100,020	438,317	123,435	-	0	0	-	0	-	-	-
Coverage After Rate Increase	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a



City of Surprise

Stormwater Utility Rate Study

Fund Activity

Funds	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
STORMWATER OPERATIONS FUND												
Beginning Balance	\$ -	\$ 0	\$ 274,355	\$ 280,232	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592
plus: Net Cash Flow after Rate Increase	0	1,100,020	438,317	123,435	-	0	0	-	0	-	-	-
less: Transfer of Surplus to Capital Fund	-	(825,665)	(432,440)	(67,075)	-	-	-	-	-	-	-	-
Ending Balance	\$ 0	\$ 274,355	\$ 280,232	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592	\$ 336,592
Minimum Target Balance	\$ 98,707	\$ 156,774	\$ 160,132	\$ 192,338	\$ 198,680	\$ 204,284	\$ 210,056	\$ 217,099	\$ 223,223	\$ 229,530	\$ 237,230	\$ 243,921
Maximum Funds to be Kept as Operating Reserves	\$ 172,738	\$ 274,355	\$ 280,232	\$ 336,592	\$ 347,690	\$ 357,497	\$ 367,598	\$ 379,924	\$ 390,640	\$ 401,678	\$ 415,152	\$ 426,862
Info: No of Days of Cash Operating Expenses	0	105	105	105	102	99	96	93	91	88	85	83
OPERATIONS FUND - CAPITAL PORTION												
Beginning Balance	\$ -	\$ -	\$ 825,665	\$ 1,277,800	\$ 1,364,095	\$ 1,403,638	\$ 1,645,233	\$ 1,564,437	\$ 1,681,026	\$ 1,658,300	\$ 1,487,379	\$ 1,807,525
plus: Rate Funded Capital	-	-	650,000	775,000	1,000,000	1,250,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
plus: Transfers from Operating Fund	-	825,665	432,440	67,075	-	-	-	-	-	-	-	-
plus: Grants/ Donations/ CIAC	-	-	-	-	-	-	-	-	-	-	-	-
plus: Additional Proceeds (Costs)	-	-	-	-	-	-	-	-	-	-	-	-
plus: Revenue Bond Proceeds	-	-	-	-	-	-	-	-	-	-	-	-
plus: Other Loans	-	-	-	-	-	-	-	-	-	-	-	-
plus: Other Low Interest Loan Proceeds	-	-	-	-	-	-	-	-	-	-	-	-
plus: Interest Earnings	-	-	8,257	12,778	13,641	14,036	16,452	15,644	16,810	16,583	14,874	18,075
Total Funding Sources	\$ -	\$ 825,665	\$ 1,916,362	\$ 2,132,653	\$ 2,377,736	\$ 2,667,674	\$ 3,161,685	\$ 3,080,082	\$ 3,197,836	\$ 3,174,883	\$ 3,002,253	\$ 3,325,601
less: Capital Expenditures	-	-	(638,562)	(768,557)	(974,098)	(1,022,441)	(1,597,248)	(1,399,056)	(1,539,536)	(1,687,504)	(1,194,727)	(1,232,523)
Ending Capital Fund Balance	\$ -	\$ 825,665	\$ 1,277,800	\$ 1,364,095	\$ 1,403,638	\$ 1,645,233	\$ 1,564,437	\$ 1,681,026	\$ 1,658,300	\$ 1,487,379	\$ 1,807,525	\$ 2,093,078
Minimum Target Balance	\$ 200,000	\$ 200,000	\$ 212,771	\$ 228,142	\$ 247,624	\$ 268,073	\$ 300,018	\$ 327,999	\$ 358,790	\$ 392,540	\$ 416,435	\$ 441,085
DEBT RESERVE												
New Debt												
Beginning Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
plus: Reserve Funding from New Debt	-	-	-	-	-	-	-	-	-	-	-	-
less: Use of Reserves for Debt Service	-	-	-	-	-	-	-	-	-	-	-	-
Ending Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Minimum Target Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



City of Surprise

Stormwater Utility Rate Study

Equivalent Dwelling Units (EDUs)

Customer Type	Accounts	Gross Parcel Area	Impervious Surface Area	Chargeable Pervious Area (Ag)	EDUs
Residential					
Single Family Residential	43,700				43,700
RV Parks	3,267				3,267
Non-Residential					
Commercial	1,869	135,587,096	135,587,096		39,645
Agricultural	10	139,479,120	6,973,956	132,505,164	5,914
Other	-	-	-		-
Subtotal	48,846	275,066,216	142,561,052	132,505,164	92,526
Less: EDU Lost to Credits					(15,858)
Total Chargeable EDUs					76,668

Notes: Square feet for 1 EDU is determined by average Single Family Residence

1 EDU = 3,420 sq. ft. of impervious area

Each Single Family Residence is 1 EDU

Commercial and Other Non-Residential customers are charged based on sq. ft. of Impervious Surface Area

Agricultural is charged based on Impervious Surface Area, plus Chargeable Pervious Area times

10%

RV Dwelling Units are considered 1.00 EDU

Assumed to be 40% of Non-Residential EDUs lost to credits

Agricultural Lands (based on PDF file received 9/2)

Customer 1	1,150
Customer 2	229
Customer 3	148
Customer 4	47
Customer 5	283
Customer 6	277
Customer 7	285
Customer 8	72
Customer 9	559
Customer 10	152
Total Acres	3,202
Sq ft per Acre	43,560
Total Sq Ft	139,479,120
Assumed Portion of ISA	5%
Total ISA Sq Ft	6,973,956

RV Parks

	Spaces
MICASA Mobile Homes	50
Donorma RV Park	11
Sunflower RV Park	583
Sunflower RV Park	557
Hernandez, Antonio	13
Resendiz, Octavio	5
C & C Trailer Park	16
Desertaire Owner has three parcels	16
Desertaire only 1 designated as commercial	15
Happy Trails Comm Assoc	2,001
Total RV Parks	3,267

One bill to be sent to each RV Park based on lot count, up to HOA or owner to allocate (based on 7/2/15 email from David Kohlbeck)

Commercial (based on Excel file received 5/21)



City of Surprise

Stormwater Utility Rate Study

Credit Calculation

Expense Allocation	FY 2019	Base %	Use %	Base \$	Use \$
Streets ROW	\$ 127,592	100%	0%	\$ 127,592	\$ -
Streets Street Sweeping	384,973	100%	0%	384,973	-
Sewer Collections	119,544	100%	0%	119,544	-
General Operations	24,040	100%	0%	24,040	-
Future Operational Needs	513,908	50%	50%	256,954	256,954
Rate Funded Capital	775,000	50%	50%	387,500	387,500
Total	\$ 1,945,058	67%	33%	\$ 1,300,604	\$ 644,454

ok

Credit Alternative #1	Base	Use	Total
Costs	\$ 1,300,604	\$ 644,454	
Applicable EDUs	93,334	74,951	
EDU Based Rate	\$ 1.16	\$ 0.72	\$ 1.88
Maximum Credit		38%	

Monthly Rate

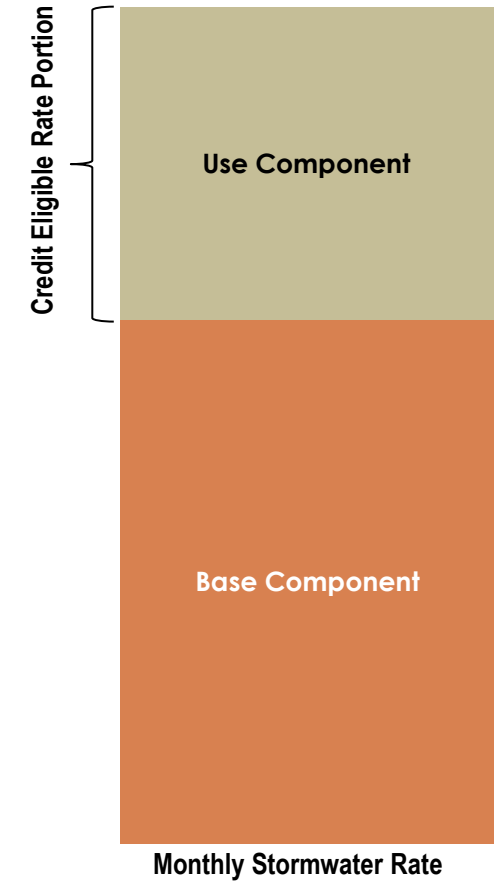
Choose:
Alternative #1

Credit Alternative #2	Base	Use	Total
Costs	\$ 1,300,604	\$ 644,454	
Applicable EDUs		74,951	
Accounts	49,273		
Account / EDU Based Rate	\$ 2.20	\$ 0.72	\$ 2.92
Maximum Credit		\$ 0.72	

Monthly Rate

38%
63%

15





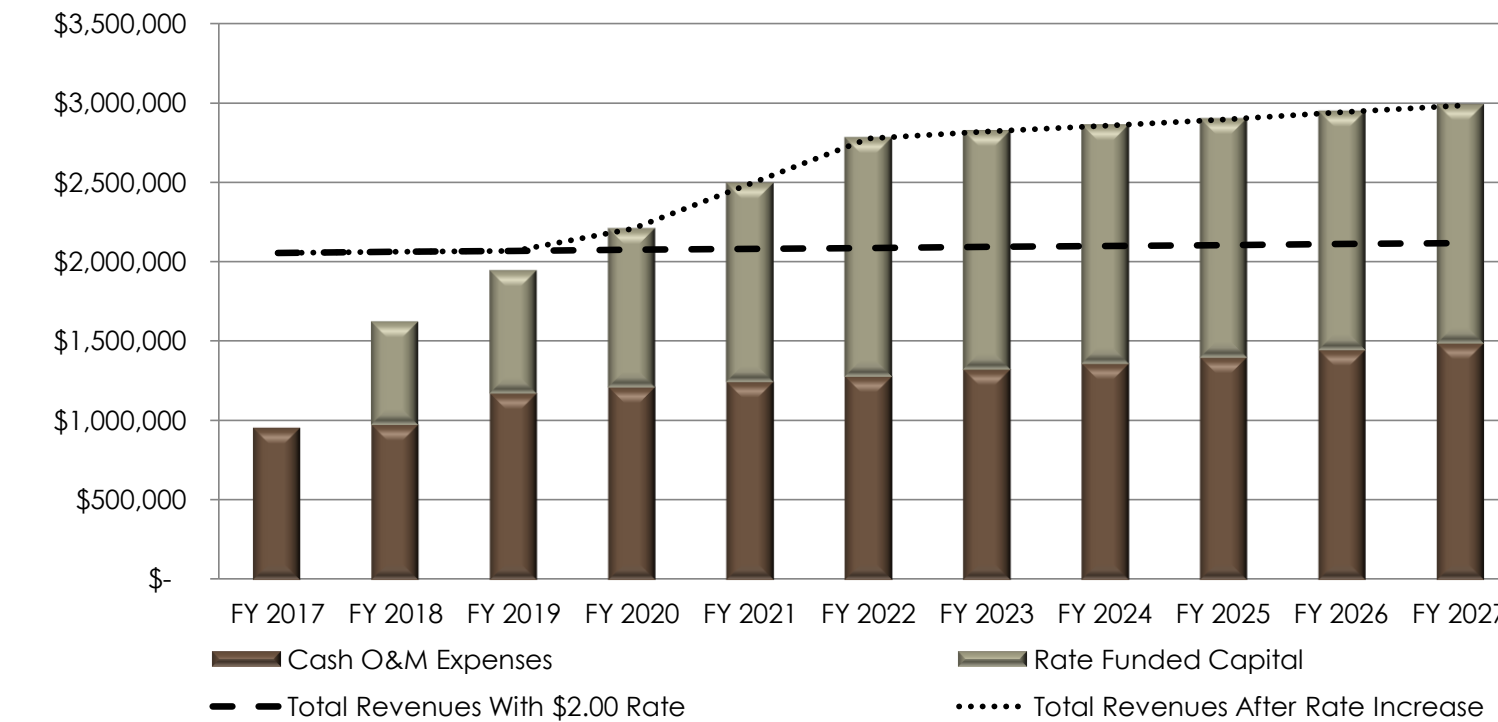
City of Surprise

Stormwater Utility Rate Study

Capital Funding Analysis

Summary of Expenditures	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
CAPITAL PROJECTS												
Improvement Upgrades & Expansions	\$ -	\$ -	\$ 319,281	\$ 384,279	\$ 487,049	\$ 511,221	\$ 798,624	\$ 699,528	\$ 769,768	\$ 843,752	\$ 597,364	\$ 616,261
Repairs and Replacements	-	-	319,281	384,279	487,049	511,221	798,624	699,528	769,768	843,752	597,364	616,261
TOTAL CAPITAL EXPENDITURES	\$ -	\$ -	\$ 638,562	\$ 768,557	\$ 974,098	\$ 1,022,441	\$ 1,597,248	\$ 1,399,056	\$ 1,539,536	\$ 1,687,504	\$ 1,194,727	\$ 1,232,523
Capital Financing Plan	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Additional Proceeds (Costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Specific CIAC	-	-	-	-	-	-	-	-	-	-	-	-
Project to be Funded	\$ -	\$ -	\$ 638,562	\$ 768,557	\$ 974,098	\$ 1,022,441	\$ 1,597,248	\$ 1,399,056	\$ 1,539,536	\$ 1,687,504	\$ 1,194,727	\$ 1,232,523
OTHER FUNDING SOURCES												
Other Outside Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate Funded System Reinvestment	-	-	650,000	775,000	1,000,000	1,250,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Connection Fee Revenue Towards Capital	-	-	-	-	-	-	-	-	-	-	-	-
Other Loans	-	-	-	-	-	-	-	-	-	-	-	-
Low Interest Loans	-	-	-	-	-	-	-	-	-	-	-	-
Revenue Bond Proceeds	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL CAPITAL RESOURCES	\$ -	\$ -	\$ 650,000	\$ 775,000	\$ 1,000,000	\$ 1,250,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000
Info: Working Capital Contingency Deficit	(200,000)	-	-	-	-	-	-	-	-	-	-	-

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Cash O&M Expenses	\$ 953,711	\$ 974,138	\$ 1,170,058	\$ 1,208,636	\$ 1,242,727	\$ 1,277,840	\$ 1,320,687	\$ 1,357,939	\$ 1,396,308	\$ 1,443,149	\$ 1,483,855
Existing Debt Service	-	-	-	-	-	-	-	-	-	-	-
New Debt Service	-	-	-	-	-	-	-	-	-	-	-
Rate Funded Capital	-	650,000	775,000	1,000,000	1,250,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Additions Required to Meet Operating F	156,774	-	-	-	-	-	-	-	-	-	-
Total Expenses	\$ 1,110,485	\$ 1,624,138	\$ 1,945,058	\$ 2,208,636	\$ 2,492,727	\$ 2,777,840	\$ 2,820,687	\$ 2,857,939	\$ 2,896,308	\$ 2,943,149	\$ 2,983,855
Rate Revenues Under Existing Rates	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632	\$ 2,089,612	\$ 2,095,592	\$ 2,101,572	\$ 2,107,553	\$ 2,113,533
Non-Rate Revenues	0	2,744	2,802	3,366	3,366	3,366	3,366	3,366	3,366	3,366	3,366
Total Revenues With \$2.00 Rate	\$ 2,053,731	\$ 2,062,455	\$ 2,068,494	\$ 2,075,037	\$ 2,081,018	\$ 2,086,998	\$ 2,092,978	\$ 2,098,958	\$ 2,104,938	\$ 2,110,918	\$ 2,116,899
Rate Revenues After Rate Increase	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,205,270	\$ 2,489,361	\$ 2,774,474	\$ 2,817,321	\$ 2,854,573	\$ 2,892,942	\$ 2,939,783	\$ 2,980,489
Total Revenues After Rate Increase	\$ 2,053,731	\$ 2,062,455	\$ 2,068,494	\$ 2,208,636	\$ 2,492,727	\$ 2,777,840	\$ 2,820,687	\$ 2,857,939	\$ 2,896,308	\$ 2,943,149	\$ 2,983,855



APPENDIX C: REVENUE REQUIREMENT – SCENARIO II



City of Surprise

Stormwater Utility Rate Study

Summary

Revenue Requirement	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Revenues											
Rate Revenues Under Existing Rates	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632	\$ 2,089,612	\$ 2,095,592	\$ 2,101,572	\$ 2,107,553	\$ 2,113,533
Non-Rate Revenues	0	2,744	2,802	3,366	2,030	3,575	3,676	3,799	3,906	4,017	4,152
Total Revenues	\$ 2,053,731	\$ 2,062,455	\$ 2,068,494	\$ 2,075,037	\$ 2,079,682	\$ 2,087,207	\$ 2,093,288	\$ 2,099,391	\$ 2,105,479	\$ 2,111,569	\$ 2,117,684
Expenses											
Cash Operating Expenses	\$ 953,711	\$ 974,138	\$ 1,170,058	\$ 1,208,636	\$ 1,242,727	\$ 1,277,840	\$ 1,320,687	\$ 1,357,939	\$ 1,396,308	\$ 1,443,149	\$ 1,483,855
Existing Debt Service	-	-	-	-	-	-	-	-	-	-	-
New Debt Service	-	-	-	-	-	-	-	-	-	-	-
Rate Funded Capital	-	650,000	775,000	1,000,000	1,250,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Additions Required to Meet Operating Fund Balance	-	-	-	-	-	-	-	-	-	-	-
Total Expenses	\$ 953,711	\$ 1,624,138	\$ 1,945,058	\$ 2,208,636	\$ 2,492,727	\$ 2,777,840	\$ 2,820,687	\$ 2,857,939	\$ 2,896,308	\$ 2,943,149	\$ 2,983,855
Net Surplus (Deficiency)	\$ 1,100,020	\$ 438,317	\$ 123,435	\$ (133,599)	\$ (413,045)	\$ (690,633)	\$ (727,399)	\$ (758,547)	\$ (790,829)	\$ (831,579)	\$ (866,170)
Additions to Meet Coverage	-	-	-	-	-	-	-	-	-	-	-
Total Surplus (Deficiency)	\$ 1,100,020	\$ 438,317	\$ 123,435	\$ (133,599)	\$ (413,045)	\$ (690,633)	\$ (727,399)	\$ (758,547)	\$ (790,829)	\$ (831,579)	\$ (866,170)
% of Rate Revenue	0.00%	0.00%	0.00%	6.45%	19.88%	33.15%	34.81%	36.20%	37.63%	39.46%	40.98%
Annual Rate Adjustment	0.00%	0.00%	0.00%	0.00%	37.50%	0.00%	0.00%	0.00%	3.75%	0.00%	0.00%
Cumulative Annual Rate Adjustment	0.00%	0.00%	0.00%	0.00%	37.50%	37.50%	37.50%	37.50%	42.66%	42.66%	42.66%
Rate Revenues After Rate Increase	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,856,771	\$ 2,864,994	\$ 2,873,217	\$ 2,881,439	\$ 2,998,024	\$ 3,006,555	\$ 3,015,086
Additional Taxes from Rate Increase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Cash Flow After Rate Increase	1,100,020	438,317	123,435	(133,599)	366,074	90,729	56,206	27,300	105,623	67,424	35,383
Coverage After Rate Increases	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Sample Residential Monthly Bill	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.75	\$ 2.75	\$ 2.75	\$ 2.75	\$ 2.85	\$ 2.85	\$ 2.85
Monthly Average Increase (\$)	\$ 2.00	\$ -	\$ -	\$ -	\$ 0.75	\$ -	\$ -	\$ -	\$ 0.10	\$ -	\$ -



City of Surprise

Stormwater Utility Rate Study

Summary

Fund Balance	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
SEWER OPERATIONS FUND											
Beginning Balance	\$ 0	\$ 274,355	\$ 280,232	\$ 336,592	\$ 202,994	\$ 357,497	\$ 367,598	\$ 379,924	\$ 390,640	\$ 401,678	\$ 415,152
plus: Net Cash Flow after Rate Increase	1,100,020	438,317	123,435	(133,599)	366,074	90,729	56,206	27,300	105,623	67,424	35,383
less: Transfer of Surplus to Capital Fund	(825,665)	(432,440)	(67,075)	-	(211,571)	(80,628)	(43,880)	(16,584)	(94,585)	(53,949)	(23,673)
Ending Balance	\$ 274,355	\$ 280,232	\$ 336,592	\$ 202,994	\$ 357,497	\$ 367,598	\$ 379,924	\$ 390,640	\$ 401,678	\$ 415,152	\$ 426,862
Target Balance	\$ 274,355	\$ 280,232	\$ 336,592	\$ 347,690	\$ 357,497	\$ 367,598	\$ 379,924	\$ 390,640	\$ 401,678	\$ 415,152	\$ 426,862
Days	105	105	105	61	105	105	105	105	105	105	105
OPERATIONS FUND - CAPITAL PORTION											
Beginning Balance	\$ -	\$ 825,665	\$ 1,277,800	\$ 1,364,095	\$ 1,403,638	\$ 1,856,804	\$ 1,858,752	\$ 2,022,163	\$ 2,019,433	\$ 1,946,708	\$ 2,325,397
plus: Rate Funded Capital	-	650,000	775,000	1,000,000	1,250,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
plus: Transfers from Operating Fund	825,665	432,440	67,075	-	211,571	80,628	43,880	16,584	94,585	53,949	23,673
plus: Grants/ Donations/ CIAC	-	-	-	-	-	-	-	-	-	-	-
plus: Additional Proceeds (Costs)	-	-	-	-	-	-	-	-	-	-	-
plus: Transfers from SPA Funds for Deficit Repayment	-	-	-	-	-	-	-	-	-	-	-
plus: Net Debt Proceeds Available for Projects	-	-	-	-	-	-	-	-	-	-	-
plus: Interest Earnings	-	8,257	12,778	13,641	14,036	18,568	18,588	20,222	20,194	19,467	23,254
Total Funding Sources	\$ 825,665	\$ 1,916,362	\$ 2,132,653	\$ 2,377,736	\$ 2,879,246	\$ 3,456,000	\$ 3,421,219	\$ 3,558,969	\$ 3,634,212	\$ 3,520,124	\$ 3,872,324
less: Capital Expenditures	-	(638,562)	(768,557)	(974,098)	(1,022,441)	(1,597,248)	(1,399,056)	(1,539,536)	(1,687,504)	(1,194,727)	(1,232,523)
less: Transfers to SPA Funds	-	-	-	-	-	-	-	-	-	-	-
Ending Working Capital Balance	\$ 825,665	\$ 1,277,800	\$ 1,364,095	\$ 1,403,638	\$ 1,856,804	\$ 1,858,752	\$ 2,022,163	\$ 2,019,433	\$ 1,946,708	\$ 2,325,397	\$ 2,639,801
Minimum Target Balance	\$ 200,000	\$ 212,771	\$ 228,142	\$ 247,624	\$ 268,073	\$ 300,018	\$ 327,999	\$ 358,790	\$ 392,540	\$ 416,435	\$ 441,085
COMBINED BEGINNING BALANCE	\$ 0	\$ 1,100,020	\$ 1,558,031	\$ 1,700,687	\$ 1,606,632	\$ 2,214,301	\$ 2,226,350	\$ 2,402,087	\$ 2,410,073	\$ 2,348,385	\$ 2,740,549
COMBINED ENDING BALANCE	\$ 1,100,020	\$ 1,558,031	\$ 1,700,687	\$ 1,606,632	\$ 2,214,301	\$ 2,226,350	\$ 2,402,087	\$ 2,410,073	\$ 2,348,385	\$ 2,740,549	\$ 3,066,664



City of Surprise
Stormwater Utility Rate Study
Assumptions

July 2015 - June 2016

Economic & Financial Factors		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
1	General Cost Inflation	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
2	Construction Cost Inflation	3.16%	3.16%	3.16%	3.16%	3.16%	3.16%	3.16%	3.16%	3.16%	3.16%	3.16%	3.16%
3	Labor Cost Inflation	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
4	Benefit Cost Inflation	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
5	Customer Growth	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.28%	0.28%
6	General Inflation plus Growth	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.29%	3.29%	3.29%	3.29%
7	No Escalation	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
8	PILOT	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
9	Franchise Fee	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10	Fuel Cost Escalation	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%	4.75%
11	[Extra]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Fund Earnings		0.50%	0.75%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%

Accounting Assumptions		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
FISCAL POLICY RESTRICTIONS													
Min. Op. Fund Balance (days of O&M expense)		60	60	60	60	60	60	60	60	60	60	60	60
Max. Op. Fund Balance (days of O&M expense)		105	105	105	105	105	105	105	105	105	105	105	105
Minimum Capital Fund Balance Target													
Select Minimum Capital Fund Balance Target		1	Defined as % of Plant										
1 - Defined as % of Plant													
Plant-in-Service in 2015		\$ 10,000,000											
Minimum Capital Fund Balance - % of plant assets		2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
2 - Amount at Right ==>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RATE FUNDED SYSTEM REINVESTMENT													
Select Reinvestment Funding Strategy		3	User Input										
Amount of Annual Cash Funding from Rates													
1 - Equal to Annual Depreciation Expense		\$ -	\$ -	\$ 12,771	\$ 28,142	\$ 47,624	\$ 68,073	\$ 100,018	\$ 127,999	\$ 158,790	\$ 192,540	\$ 216,435	\$ 216,435
2 - Equal to Depreciation less Annual Debt Principal Payments		-	-	12,771	28,142	47,624	68,073	100,018	127,999	158,790	192,540	216,435	216,435
3 - Equal to Amount at Right ==>		-	-	650,000	775,000	1,000,000	1,250,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
4 - Do Not Fund Depreciation													

Capital Financing Assumptions	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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City of Surprise

Stormwater Utility Rate Study

Assumptions

July 2015 - June 2016

FUNDING SOURCES																					
Grants		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Additional Proceeds (Costs)																					
[Extra line]		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
[Extra line]			-		-		-		-		-		-		-		-		-		-
[Extra line]			-		-		-		-		-		-		-		-		-		-
[Extra line]			-		-		-		-		-		-		-		-		-		-
[Extra line]			-		-		-		-		-		-		-		-		-		-
Total Additional Proceeds		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
REVENUE BONDS																					
Term (years)		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Interest Cost		5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Issuance Cost		1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
Revenue Bond Coverage Requirement		1.25																			
OTHER LOANS																					
Term (years)		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Interest Cost		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
OTHER LOW COST LOANS																					
Term (years)		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Interest Cost		0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Issuance Cost		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Other Assumptions	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Customer Growth															
Projected New Equivalent Dwelling Units (EDUs)	100.00%		of Original Growth Projections					Based on previous 5 year average growth projections							
SPA 1	-	250	250	250	250	250	250	250	250	250	250	250	250	250	250
SPA 2	-	20	20	20	20	20	20	20	20	20	20	20	20	20	20
SPA 3	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total New EDUs	-	271	271	271	271	271	271	271	271	271	271	271	271	271	271
Cumulative EDUs	92,526	92,526	92,797	93,068	93,339	93,610	93,881	94,152	94,423	94,694	94,965	95,236	95,507	95,778	95,778
EDU Growth Rate	0.00%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.28%	0.28%	0.28%
PILOT Tax Components															
Capital Assets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARS Assessed Valuation Annual Year Percentage	19.50%	19.00%	18.50%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%
ARS Assessed Valuation Fiscal Year Percentage	19.75%	19.25%	18.75%	18.25%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%
Primary Property Tax Rate	0.7383%	0.7783%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%	0.7591%
Payment in Lieu of Taxes	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



City of Surprise

Stormwater Utility Rate Study

Operating Revenue and Expenditure Forecast

			Actual	Budget	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	
Revenues			FORECAST BASIS	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Rate Revenues																
Rate Revenues	5	Customer Growth	\$ -	\$ 0	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632	\$ 2,089,612	\$ 2,095,592	\$ 2,101,572	\$ 2,107,553	\$ 2,113,533	
[Extra]	7	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Rate Revenue			\$ -	\$ 0	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632	\$ 2,089,612	\$ 2,095,592	\$ 2,101,572	\$ 2,107,553	\$ 2,113,533	
Non-Rate Revenues																
31813 Interest Income	7	No Escalation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31543 Federal Grant Revenue - SPA 1	7	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31432 Line Extension Fees	7	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31461 Revenue Recovery-Utility Bill	7	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31816 Unrealized Gain/Loss	7	No Escalation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
[Extra]	7	No Escalation	-	600,470	-	-	-	-	-	-	-	-	-	-	-	-
Total Non-Rate Revenues			\$ -	\$ 600,470	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL REVENUES			\$ -	\$ 600,470	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632	\$ 2,089,612	\$ 2,095,592	\$ 2,101,572	\$ 2,107,553	\$ 2,113,533	

Expenses			FORECAST BASIS	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
544 Stormwater Streets Fund																
516 ROW																
Personnel/Salaries																
36111 Full Time Salaries	3	Labor Cost Inflation	24,479	28,640	29,499	30,384	31,296	32,235	33,202	34,198	35,224	36,280	37,369	38,490	39,644	
36113 Overtime Compensation	3	Labor Cost Inflation	368	700	721	743	765	788	811	836	861	887	913	941	969	
36115 Holidays	4	Benefit Cost Inflation	1,338	-	-	-	-	-	-	-	-	-	-	-	-	-
36116 Paid Time Off	4	Benefit Cost Inflation	2,730	-	-	-	-	-	-	-	-	-	-	-	-	-
36151 Stipend	4	Benefit Cost Inflation	46	50	52	53	55	56	58	60	61	63	65	67	69	
36211 FICA	4	Benefit Cost Inflation	2,081	2,250	2,318	2,387	2,459	2,532	2,608	2,687	2,767	2,850	2,936	3,024	3,115	
36231 Medical	4	Benefit Cost Inflation	6,743	7,030	7,241	7,458	7,682	7,912	8,150	8,394	8,646	8,905	9,173	9,448	9,731	
36232 Dental	4	Benefit Cost Inflation	330	330	340	350	361	371	383	394	406	418	431	443	457	
36233 Vision	4	Benefit Cost Inflation	54	50	52	53	55	56	58	60	61	63	65	67	69	
36234 Life	4	Benefit Cost Inflation	122	130	134	138	142	146	151	155	160	165	170	175	180	
36252 AZ State Retirement	4	Benefit Cost Inflation	3,342	3,410	3,512	3,618	3,726	3,838	3,953	4,072	4,194	4,320	4,449	4,583	4,720	
36278 Workers Compensation	4	Benefit Cost Inflation	1,790	1,730	1,782	1,835	1,890	1,947	2,006	2,066	2,128	2,192	2,257	2,325	2,395	
Commodities/Supplies																
37111 Office Supplies	1	General Cost Inflation	6	20	21	21	22	23	23	24	25	25	26	27	28	
37131 Clothing & Uniforms	1	General Cost Inflation	74	80	82	85	87	90	93	96	98	101	104	108	111	
37142 Phone Supplies	1	General Cost Inflation	89	-	-	-	-	-	-	-	-	-	-	-	-	-
37161 Operational Supplies	1	General Cost Inflation	714	350	361	371	382	394	406	418	430	443	457	470	484	
37165 Mach. & Equipment <\$10,000	1	General Cost Inflation	1,155	1,550	1,597	1,644	1,694	1,745	1,797	1,851	1,906	1,963	2,022	2,083	2,146	
37193 Safety & First Aid Supplies	1	General Cost Inflation	371	500	515	530	546	563	580	597	615	633	652	672	692	
37211 Gas & Fuel	1	General Cost Inflation	5,193	5,200	5,356	5,517	5,682	5,853	6,028	6,209	6,395	6,587	6,785	6,988	7,198	
37212 Auto Parts & Lubricants	1	General Cost Inflation	1,673	5,160	5,315	5,474	5,638	5,808	5,982	6,161	6,346	6,537	6,733	6,935	7,143	
37223 Agricultural/Grounds Supplies	1	General Cost Inflation	1,434	1,000	1,030	1,061	1,093	1,126	1,159	1,194	1,230	1,267	1,305	1,344	1,384	
37233 Street Repair Supplies	1	General Cost Inflation	199	-	-	-	-	-	-	-	-	-	-	-	-	-
Contractual Services																
38162 Landscape Services	1	General Cost Inflation	29,078	36,695	37,796	38,930	40,098	41,301	42,540	43,816	45,130	46,484	47,879	49,315	50,794	
38199 Other Prof/Tech Services	1	General Cost Inflation	127	500	515	530	546	563	580	597	615	633	652	672	692	
38211 Water	1	General Cost Inflation	9,699	9,920	10,218	10,524	10,840	11,165	11,500	11,845	12,200	12,566	12,943	13,332	13,732	
38212 Electricity	1	General Cost Inflation	700	720	742	764	787	810	835	860	886	912	939	968	997	
38216 Sanitary/Landfill	1	General Cost Inflation	676	1,500	1,545	1,591	1,639	1,688	1,739	1,791	1,845	1,900	1,957	2,016	2,076	
38221 Cell Phone/Pagers	1	General Cost Inflation	252	-	-	-	-	-	-	-	-	-	-	-	-	-
38324 Machinery & Equip. Maint.	1	General Cost Inflation	337	-	-	-	-	-	-	-	-	-	-	-	-	-
38331 Vehicle Maintenance	1	General Cost Inflation	3,334	2,500	2,575	2,652	2,732	2,814	2,898	2,985	3,075	3,167	3,262	3,360	3,461	
38372 Pest Control Services	1	General Cost Inflation	124	120	124	127	131	135	139	143	148	152	157	161	166	
38381 Grounds Maintenance	1	General Cost Inflation	6,984	6,000	6,180	6,365	6,556	6,753	6,956	7,164	7,379	7,601	7,829	8,063	8,305	
38591 Other Rental/Leases	1	General Cost Inflation	290	300	309	318	328	338	348	358	369	380	391	403	415	
38922 Travel & Training	1	General Cost Inflation	41	130	134	138	142	146	151	155	160	165	170	175	180	
38924 Dues & Memberships	1	General Cost Inflation	90	-	-	-	-	-	-	-	-	-	-	-	-	-
38927 EE Certification & Licensing	1	General Cost Inflation	138	-	-	-	-	-	-	-	-	-	-	-	-	-
38991 Uniform/Laundry Services	1	General Cost Inflation	113	200	206	212	219	225	232	239	246	253	261	269	277	
517 Street Sweeping																
Personnel/Salaries																
36111 Full Time Salaries	3	Labor Cost Inflation	113,701	167,130	172,144	177,308	182,627	188,106	193,749	199,562	205,549	211,715	218,067	224,609	231,347	
36113 Overtime Compensation	3	Labor Cost Inflation	6,164	4,545	4,681	4,822	4,966	5,115	5,269	5,427	5,590	5,757	5,930	6,108	6,291	
36115 Holidays	4	Benefit Cost Inflation	5,883	-	-	-	-	-	-	-	-	-	-	-	-	-
36116 Paid Time Off	4	Benefit Cost Inflation	11,464	-	-	-	-	-	-	-	-	-	-	-	-	-
36151 Stipend	4	Benefit Cost Inflation	-	315	324	334	344	355	365	376	387	399	411	423	436	
36211 FICA	4	Benefit Cost Inflation	9,872	13,140	13,534	13,940	14,358	14,789	15,233	15,690	16,161	16,645	17,145	17,659	18,189	
36231 Medical	4	Benefit Cost Inflation	27,146	35,730	36,802	37,906	39,043	40,214	41,421	42,663	43,943	45,262	46,620	48,018	49,459	
36232 Dental	4	Benefit Cost Inflation	2,151	2,610	2,688	2,769	2,852	2,938	3,026	3,116	3,210	3,306	3,405	3,508	3,613	
36233 Vision	4	Benefit Cost Inflation	326	360	371	382	393	405	417	430	443	456	470	484	498	



City of Surprise
Stormwater Utility Rate Study
Operating Revenue and Expenditure Forecast

				Actual	Budget	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
36234	Life	4	Benefit Cost Inflation	562	720	742	764	787	810	835	860	886	912	939	968	997
36252	AZ State Retirement	4	Benefit Cost Inflation	15,903	19,935	20,533	21,149	21,784	22,437	23,110	23,803	24,518	25,253	26,011	26,791	27,595
36278	Workers Compensation	4	Benefit Cost Inflation	9,450	9,270	9,548	9,835	10,130	10,433	10,746	11,069	11,401	11,743	12,095	12,458	12,832
Commodities/Supplies																
37131	Clothing & Uniforms	1	General Cost Inflation	322	315	324	334	344	355	365	376	387	399	411	423	436
37142	Phone Supplies	1	General Cost Inflation	351	-	-	-	-	-	-	-	-	-	-	-	-
37161	Operational Supplies	1	General Cost Inflation	498	-	-	-	-	-	-	-	-	-	-	-	-
37165	Mach. & Equipment <\$10,000	1	General Cost Inflation	13,270	12,600	12,978	13,367	13,768	14,181	14,607	15,045	15,496	15,961	16,440	16,933	17,441
37193	Safety & First Aid Supplies	1	General Cost Inflation	557	855	881	907	934	962	991	1,021	1,052	1,083	1,116	1,149	1,184
37211	Gas & Fuel	1	General Cost Inflation	30,734	29,385	30,267	31,175	32,110	33,073	34,065	35,087	36,140	37,224	38,341	39,491	40,676
37212	Auto Parts & Lubricants	1	General Cost Inflation	21,394	24,165	24,890	25,637	26,406	27,198	28,014	28,854	29,720	30,611	31,530	32,476	33,450
37232	Chemical Supplies	1	General Cost Inflation	917	-	-	-	-	-	-	-	-	-	-	-	-
Contractual Services																
38211	Water	1	General Cost Inflation	4,059	4,815	4,959	5,108	5,261	5,419	5,582	5,749	5,922	6,099	6,282	6,471	6,665
38216	Sanitary/Landfill	1	General Cost Inflation	29,138	20,250	20,858	21,483	22,128	22,792	23,475	24,180	24,905	25,652	26,422	27,214	28,031
38217	Postage & Mailings	1	General Cost Inflation	323	-	-	-	-	-	-	-	-	-	-	-	-
38324	Machinery & Equip. Maint.	1	General Cost Inflation	113	-	-	-	-	-	-	-	-	-	-	-	-
38331	Vehicle Maintenance	1	General Cost Inflation	9,927	5,040	5,191	5,347	5,507	5,673	5,843	6,018	6,199	6,385	6,576	6,773	6,977
38922	Travel & Training	1	General Cost Inflation	27	135	139	143	148	152	157	161	166	171	176	181	187
38924	Dues & Memberships	1	General Cost Inflation	405	-	-	-	-	-	-	-	-	-	-	-	-
38951	Printing	1	General Cost Inflation	26	-	-	-	-	-	-	-	-	-	-	-	-
38991	Uniform/Laundry Services	1	General Cost Inflation	457	990	1,020	1,050	1,082	1,114	1,148	1,182	1,218	1,254	1,292	1,330	1,370
643 Stormwater Sewer Fund																
601 Collections WW																
Personnel/Salaries																
36111	Full Time Salaries	3	Labor Cost Inflation	-	75,100	77,353	79,674	82,064	84,526	87,061	89,673	92,364	95,134	97,988	100,928	103,956
36151	Stipend	4	Benefit Cost Inflation	-	500	515	530	546	563	580	597	615	633	652	672	692
36211	FICA	4	Benefit Cost Inflation	-	4,700	4,841	4,986	5,136	5,290	5,449	5,612	5,780	5,954	6,132	6,316	6,506
36211	FICA	4	Benefit Cost Inflation	-	1,100	1,133	1,167	1,202	1,238	1,275	1,313	1,353	1,393	1,435	1,478	1,523
36231	Medical	4	Benefit Cost Inflation	-	11,000	11,330	11,670	12,020	12,381	12,752	13,135	13,529	13,934	14,353	14,783	15,227
36232	Dental	4	Benefit Cost Inflation	-	600	618	637	656	675	696	716	738	760	783	806	831
36233	Vision	4	Benefit Cost Inflation	-	100	103	106	109	113	116	119	123	127	130	134	138
36234	Life	4	Benefit Cost Inflation	-	300	309	318	328	338	348	358	369	380	391	403	415
36252	AZ State Retirement	4	Benefit Cost Inflation	-	8,800	9,064	9,336	9,616	9,904	10,202	10,508	10,823	11,148	11,482	11,826	12,181
36278	Workers Compensation	4	Benefit Cost Inflation	-	100	103	106	109	113	116	119	123	127	130	134	138
Commodities/Supplies																
37111	Office Supplies	1	General Cost Inflation	-	100	103	106	109	113	116	119	123	127	130	134	138
37114	Books & Subscriptions	1	General Cost Inflation	-	500	515	530	546	563	580	597	615	633	652	672	692
37131	Clothing & Uniforms	1	General Cost Inflation	-	200	206	212	219	225	232	239	246	253	261	269	277
37193	Safety & First Aid Supplies	1	General Cost Inflation	-	300	309	318	328	338	348	358	369	380	391	403	415
Contractual Services																
38922	Travel & Training	1	General Cost Inflation	-	3,100	3,193	3,289	3,387	3,489	3,594	3,702	3,813	3,927	4,045	4,166	4,291
38924	Dues & Memberships	1	General Cost Inflation	-	2,800	2,884	2,971	3,060	3,151	3,246	3,343	3,444	3,547	3,653	3,763	3,876
38925	Federal Mileage Allowance	1	General Cost Inflation	-	100	103	106	109	113	116	119	123	127	130	134	138
645 Stormwater General Fund																
112 General Operation																
Commodities/Supplies																
37111	Office Supplies	1	General Cost Inflation	80	100	103	106	109	113	116	119	123	127	130	134	138
37112	Computer Supplies	1	General Cost Inflation	-	100	103	106	109	113	116	119	123	127	130	134	138
37114	Books & Subscriptions	1	General Cost Inflation	111	500	515	530	546	563	580	597	615	633	652	672	692
37131	Clothing & Uniforms	1	General Cost Inflation	217	-	-	-	-	-	-	-	-	-	-	-	-
37165	Mach. & Equipment <\$10,000	1	General Cost Inflation	19	-	-	-	-	-	-	-	-	-	-	-	-
37194	Community Relations Supplies	1	General Cost Inflation	660	1,200	1,236	1,273	1,311	1,351	1,391	1,433	1,476	1,520	1,566	1,613	1,661
37211	Gas & Fuel	1	General Cost Inflation	549	600	618	637	656	675	696	716	738	760	783	806	831
37212	Auto Parts & Lubricants	1	General Cost Inflation	30	200	206	212	219	225	232	239	246	253	261	269	277
37997	Education & Training Supplies	1	General Cost Inflation	151	200	206	212	219	225	232	239	246	253	261	269	277
Contractual Services																
38124	Audit Services	1	General Cost Inflation	-	-	-	-	-	-	-	-	-	-	-	-	-
38128	Recording, License & Permit Fees	1	General Cost Inflation	11,900	14,000	14,420	14,853	15,298	15,757	16,230	16,717	17,218	17,735	18,267	18,815	19,379
38199	Other Prof/Tech Services	1	General Cost Inflation	10,720	-	-	-	-	-	-	-	-	-	-	-	-
38217	Postage & Mailings	1	General Cost Inflation	-	100	103	106	109	113	116	119	123	127	130	134	138
38912	Risk Insurance Premium	1	General Cost Inflation	917	1,000	1,030	1,061	1,093	1,126	1,159	1,194	1,230	1,267	1,305	1,344	1,384
38922	Travel & Training	1	General Cost Inflation	95	1,400	1,442	1,485	1,530	1,576	1,623	1,672	1,722	1,773	1,827	1,881	1,938
38924	Dues & Memberships	1	General Cost Inflation	2,750	2,600	2,678	2,758	2,841	2,926	3,014	3,105	3,198	3,294	3,392	3,494	3,599
38951	Printing	1	General Cost Inflation	831	-	-	-	-	-	-	-	-	-	-	-	-
Future Operational Needs																
22531-64	Wastewater Manager	1	General Cost Inflation	-	-	33,424	34,426	35,459	36,523	37,618	38,747	39,909	41,107	42,340	43,610	44,918
21111-54	Public Works Director	1	General Cost Inflation	-	-	19,271	19,849	20,445	21,058	21,690	22,341	23,011	23,701	24,412	25,145	25,899
22531-64	Assistant Director Utilities	1	General Cost Inflation	-	-	32,692	33,673	34,683	35,724	36,795	37,899	39,036	40,207	41,414	42,656	43,936
21111-54	Business Manager	1	General Cost Inflation	-	-	7,220	7,437	7,660	7,890	8,127	8,370	8,621	8,880	9,146	9,421	9,703



City of Surprise
Stormwater Utility Rate Study
Operating Revenue and Expenditure Forecast

			Actual	Budget	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection														
21111-54	Administrative Technician - Business Support	1	General Cost Inflation	-	-	3,394	3,496	3,601	3,709	3,820	3,934	4,052	4,174	4,299	4,428	4,561														
21111-54	Sr. Financial Analyst	1	General Cost Inflation	-	-	4,362	4,493	4,628	4,767	4,910	5,057	5,209	5,365	5,526	5,691	5,862														
21111-54	Business Analyst	1	General Cost Inflation	-	-	5,614	5,782	5,955	6,134	6,318	6,508	6,703	6,904	7,111	7,324	7,544														
	Indirect Cost allocation Citywide Staff	7	No Escalation	-	-	66,800	66,800	66,800	72,280	72,280	72,280	78,960	78,960	78,960	86,280	86,280														
	Franchise Fee		Calculated	-	-	-	-	-	-	-	-	-	-	-	-	-														
	Payments in lieu of property tax (PILOT)		Calculated	-	-	-	-	-	-	-	-	-	-	-	-	-														
22531-64	Collections & Stormwater Supervisor	1	General Cost Inflation	-	-	49,700	51,191	52,727	54,309	55,938	57,616	59,344	61,125	62,958	64,847	66,793														
22531-64	Stormwater Operator	1	General Cost Inflation	-	-	-	-	84,700	87,241	89,858	92,554	95,331	98,191	101,136	104,170	107,295														
22531-64	Stormwater Inspector/Code Compliance	1	General Cost Inflation	-	-	-	-	84,000	86,520	89,116	91,789	94,543	97,379	100,300	103,309	106,409														
22531-64	Maint of City owned drywells (3-5/yr)	1	General Cost Inflation	-	-	25,750	26,523	27,318	28,138	28,982	29,851	30,747	31,669	32,619	33,598	34,606														
37131	Uniform Purchase	1	General Cost Inflation	-	-	400	412	424	437	450	464	478	492	507	522	538														
37161	Operational Supplies	1	General Cost Inflation	-	-	5,000	5,150	5,305	5,464	5,628	5,796	5,970	6,149	6,334	6,524	6,720														
37162	Furniture, Fixtures, and Equipment (computers one-yr)	1	General Cost Inflation	-	-	6,000	-	-	-	-	-	-	-	-	-	-														
37165	Operational Equipment, Tools, and Parts	1	General Cost Inflation	-	-	5,000	5,150	5,305	5,464	5,628	5,796	5,970	6,149	6,334	6,524	6,720														
37193	Safety & First Aid Supplies	1	General Cost Inflation	-	-	2,000	2,060	2,122	2,185	2,251	2,319	2,388	2,460	2,534	2,610	2,688														
37211	Gas & Fuel	1	General Cost Inflation	-	-	6,000	6,180	6,365	6,556	6,753	6,956	7,164	7,379	7,601	7,829	8,063														
37212	Auto Parts & Lubricants	1	General Cost Inflation	-	-	2,500	2,575	2,652	2,732	2,814	2,898	2,985	3,075	3,167	3,262	3,360														
37998	Photography Supplies	1	General Cost Inflation	-	-	100	103	106	109	113	116	119	123	127	130	134														
38199	Professional & Outside Services	1	General Cost Inflation	-	-	10,000	10,300	10,609	10,927	11,255	11,593	11,941	12,299	12,668	13,048	13,439														
38216	Sanitary/Landfill	1	General Cost Inflation	-	-	5,000	5,150	5,305	5,464	5,628	5,796	5,970	6,149	6,334	6,524	6,720														
38221	Cell Phone/Pagers	1	General Cost Inflation	-	-	500	515	530	546	563	580	597	615	633	652	672														
38324	Machinery & Equipment Maintenance	1	General Cost Inflation	-	-	5,000	5,150	5,305	5,464	5,628	5,796	5,970	6,149	6,334	6,524	6,720														
38331	Vehicle Maintenance	1	General Cost Inflation	-	-	3,500	3,605	3,713	3,825	3,939	4,057	4,179	4,305	4,434	4,567	4,704														
38351	Wells/Sewer/Lines/Etc.	1	General Cost Inflation	-	-	30,000	30,900	31,827	32,782	33,765	34,778	35,822	36,896	38,003	39,143	40,317														
38521	Equipment Rental	1	General Cost Inflation	-	-	1,000	1,030	1,061	1,093	1,126	1,159	1,194	1,230	1,267	1,305	1,344														
38922	Travel & Training	1	General Cost Inflation	-	-	2,500	2,575	2,652	2,732	2,814	2,898	2,985	3,075	3,167	3,262	3,360														
38991	Uniform/Laundry Services	1	General Cost Inflation	-	-	2,500	2,575	2,652	2,732	2,814	2,898	2,985	3,075	3,167	3,262	3,360														
Other																														
Add'l O&M from CIP			From CIP	-	-	-	-	-	-	-	-	-	-	-	-	-														
Total Cash O&M Expenditures				\$	450,487	\$	600,470	\$	953,711	\$	974,138	\$	1,170,058	\$	1,208,636	\$	1,242,727	\$	1,277,840	\$	1,320,687	\$	1,357,939	\$	1,396,308	\$	1,443,149	\$	1,483,855	
Depreciation Expense in FY2013			\$	-																										
Depreciation Expense			Last year's plus annual add'l from CIP	\$	-	\$	-	\$	-	\$	12,771	\$	28,142	\$	47,624	\$	68,073	\$	100,018	\$	127,999	\$	158,790	\$	192,540	\$	216,435	\$	216,435	
			debt principal payments	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
			System Reinvestment Funding	\$	-	\$	-	\$	-	\$	12,771	\$	28,142	\$	47,624	\$	68,073	\$	100,018	\$	127,999	\$	158,790	\$	192,540	\$	216,435	\$	216,435	
TOTAL EXPENSES				\$	450,487	\$	600,470	\$	953,711	\$	986,909	\$	1,198,201	\$	1,256,260	\$	1,310,800	\$	1,377,858	\$	1,448,686	\$	1,516,729	\$	1,588,848	\$	1,659,583	\$	1,700,289	
				Capital Outlays	\$	19	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

Project Costs and O&M Impacts in Year:	FY 2016
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No	Description	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
1	Fund 21112												
2	Martin Acres Flood Control	\$ -											
3	107th & Union Hills Drainage	-											
4	Elm Street & Nash OTS Drainage Improvements												
5	Greasewood Street & Lizard Acres Wash OTS			250,000									
6	Paradise Lane & El Mirage Rd OTS Drainage			250,000	650,000								
7	Santa Fe Drive OTS Drainage Improvements					350,000							
8	Greenway Rd OTS Drainage Improvements					300,000							
9	Sections 10 & 11 Drainage & Roadway Improvements					150,000	350,000	250,000	250,000	250,000	250,000		
10	Additional Projects												
11	Cactus & Reems					50,000	250,000	250,000					
12	Bell Rd (EB)-Sarival to Reems												
13	Peoria & Litchfield					10,000	50,000	50,000					
14	Peoria & Sarival						25,000	125,000	125,000				
15	Greenway-Litchfield To Bullard						25,000	125,000	125,000				
16	WB Waddell-BT Cotton & 175TH						25,000	125,000	125,000				
17	Cactus & 155th Ave												
18	Cotton Ln-BT Peoria & Greenway						150,000	400,000	500,000	750,000	500,000	500,000	500,000
19	Laural Lane & Litchfield Rd												
20	Jerry St & Ironwood									200,000	400,000		
21	211th & Deer Valley										25,000	125,000	125,000
22	Pinnacle Peak-W of Citrus										25,000	125,000	125,000
23	219th & Pinnacle Peak										25,000	125,000	125,000
24	183rd & Happy Valley												
25	Enoch-West OF Citrus												
26	NW Cor Peoria/Greer Ranch Pkwy												
27	Cactus Rd between Litchfield and Bullard												
28	Deer Valley Road SPA3 Interceptor Sewer												
29	Acoma & Cotton Lane												
30	Norwich - Citrus to Grand												
31	152nd @ Acoma												
32	Happy Valley 1/4 mile west of Citrus												
33	Retention Basin south of Ocotillo, East of Litchfield												
34	SEC Litchfield/Greenway			50,000	50,000								
35	Autoshow and Cactus												
36	Heritage Park in Marley Park										50,000		
37	Auto Show Dr-BT Waddell & Cactus												
38	CACTUS & L303												
39	Cactus and Citrus			15,000									
40	151st Avenue and Tierra Buena			35,000									
41													
Total Capital Projects		\$ -	\$ -	\$ 600,000	\$ 700,000	\$ 860,000	\$ 875,000	\$ 1,325,000	\$ 1,125,000	\$ 1,200,000	\$ 1,275,000	\$ 875,000	\$ 875,000
Projects by Grants / Developer Donations		-	-	-	-	-	-	-	-	-	-	-	-
Projects by Enterprise Fund		-	-	600,000	700,000	860,000	875,000	1,325,000	1,125,000	1,200,000	1,275,000	875,000	875,000



City of Surprise

Stormwater Utility Rate Study

Revenue Requirements Analysis

Cash Flow Sufficiency Test	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
EXPENSES												
Cash Operating Expenses	\$ 600,470	\$ 953,711	\$ 974,138	\$ 1,170,058	\$ 1,208,636	\$ 1,242,727	\$ 1,277,840	\$ 1,320,687	\$ 1,357,939	\$ 1,396,308	\$ 1,443,149	\$ 1,483,855
Existing Debt Service	-	-	-	-	-	-	-	-	-	-	-	-
New Debt Service	-	-	-	-	-	-	-	-	-	-	-	-
Rate Funded Capital	-	-	650,000	775,000	1,000,000	1,250,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Additions Required to Meet Operating Fund Balance	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenses	\$ 600,470	\$ 953,711	\$ 1,624,138	\$ 1,945,058	\$ 2,208,636	\$ 2,492,727	\$ 2,777,840	\$ 2,820,687	\$ 2,857,939	\$ 2,896,308	\$ 2,943,149	\$ 2,983,855
REVENUES												
Rate Revenue	\$ 0	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632	\$ 2,089,612	\$ 2,095,592	\$ 2,101,572	\$ 2,107,553	\$ 2,113,533
Non Rate Revenue	600,470	-	-	-	-	-	-	-	-	-	-	-
Operating Fund & Debt Reserve Fund Interest Earnings	-	0	2,744	2,802	3,366	2,030	3,575	3,676	3,799	3,906	4,017	4,152
Total Revenue	\$ 600,470	\$ 2,053,731	\$ 2,062,455	\$ 2,068,494	\$ 2,075,037	\$ 2,079,682	\$ 2,087,207	\$ 2,093,288	\$ 2,099,391	\$ 2,105,479	\$ 2,111,569	\$ 2,117,684
NET CASH FLOW (DEFICIENCY)	\$ 0	\$ 1,100,020	\$ 438,317	\$ 123,435	\$ (133,599)	\$ (413,045)	\$ (690,633)	\$ (727,399)	\$ (758,547)	\$ (790,829)	\$ (831,579)	\$ (866,170)
% of Rate Revenue	-100.00%	-53.56%	-21.28%	-5.98%	6.45%	19.88%	33.15%	34.81%	36.20%	37.63%	39.46%	40.98%

Coverage Sufficiency Test - Revenue Bonds	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
EXPENSES												
Total Cash Operating Expenses (less Capital Outlays)	\$ 600,470	\$ 953,711	\$ 974,138	\$ 1,170,058	\$ 1,208,636	\$ 1,242,727	\$ 1,277,840	\$ 1,320,687	\$ 1,357,939	\$ 1,396,308	\$ 1,443,149	\$ 1,483,855
Revenue Bond Debt Service	-	-	-	-	-	-	-	-	-	-	-	-
Revenue Bond Coverage Requirement at 1.25	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenses	\$ 600,470	\$ 953,711	\$ 974,138	\$ 1,170,058	\$ 1,208,636	\$ 1,242,727	\$ 1,277,840	\$ 1,320,687	\$ 1,357,939	\$ 1,396,308	\$ 1,443,149	\$ 1,483,855
ALLOWABLE REVENUES												
Rate Revenue	\$ 0	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632	\$ 2,089,612	\$ 2,095,592	\$ 2,101,572	\$ 2,107,553	\$ 2,113,533
Other Revenue	600,470	-	-	-	-	-	-	-	-	-	-	-
Interest Earnings - All Funds	-	0	11,000	15,580	17,007	16,066	22,143	22,263	24,021	24,101	23,484	27,405
Total Revenue	\$ 600,470	\$ 2,053,731	\$ 2,070,711	\$ 2,081,272	\$ 2,088,678	\$ 2,093,718	\$ 2,105,775	\$ 2,111,876	\$ 2,119,613	\$ 2,125,673	\$ 2,131,036	\$ 2,140,938
Coverage Realized	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
COVERAGE SURPLUS (DEFICIENCY)	\$ 0	\$ 1,100,020	\$ 1,096,573	\$ 911,213	\$ 880,042	\$ 850,991	\$ 827,935	\$ 791,189	\$ 761,674	\$ 729,365	\$ 687,888	\$ 657,084



City of Surprise
Stormwater Utility Rate Study
Revenue Requirements Analysis

Maximum Revenue Deficiency	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Sufficiency Test Driving the Deficiency	None	None	None	None	Cash	Cash	Cash	Cash	Cash	Cash	Cash	Cash
Maximum Deficiency From Tests	\$ -	\$ -	\$ -	\$ -	\$ 133,599	\$ 413,045	\$ 690,633	\$ 727,399	\$ 758,547	\$ 790,829	\$ 831,579	\$ 866,170
less: Net Revenue From Prior Rate Increases	-	-	-	-	-	-	(781,362)	(783,605)	(785,847)	(788,090)	(899,003)	(901,554)
Revenue Deficiency	\$ -	\$ -	\$ -	\$ -	\$ 133,599	\$ 413,045	\$ -	\$ -	\$ -	\$ 2,740	\$ -	\$ -
Plus: Adjustment for State Excise Tax	-	-	-	-	-	-	-	-	-	-	-	-
Total Revenue Deficiency	\$ -	\$ -	\$ -	\$ -	\$ 133,599	\$ 413,045	\$ -	\$ -	\$ -	\$ 2,740	\$ -	\$ -

Rate Increases	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Rate Revenue with no Increase	\$ 0	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632	\$ 2,089,612	\$ 2,095,592	\$ 2,101,572	\$ 2,107,553	\$ 2,113,533
Revenues from Prior Rate Increases	-	-	-	-	-	-	781,362	783,605	785,847	788,090	899,003	901,554
Rate Revenue Before Rate Increase (Incl. previous increases)	0	2,053,731	2,059,711	2,065,691	2,071,672	2,077,652	2,864,994	2,873,217	2,881,439	2,889,662	3,006,555	3,015,086
Required Annual Rate Increase	0.00%	0.00%	0.00%	0.00%	6.45%	19.88%	0.00%	0.00%	0.00%	0.09%	0.00%	0.00%
Number of Months New Rates Will Be In Effect	12	12	12	12	12	12	12	12	12	12	12	12
Info: Percentage Increase to Generate Required Revenue	0.00%	0.00%	0.00%	0.00%	6.45%	19.88%	0.00%	0.00%	0.00%	0.09%	0.00%	0.00%
Policy Induced Rate Increases	0.00%	0.00%	0.00%	0.00%	0.00%	37.50%				3.75%		
ANNUAL RATE INCREASE	0.00%	0.00%	0.00%	0.00%	0.00%	37.50%	0.00%	0.00%	0.00%	3.75%	0.00%	0.00%
CUMULATIVE RATE INCREASE	0.00%	0.00%	0.00%	0.00%	0.00%	37.50%	37.50%	37.50%	37.50%	42.66%	42.66%	42.66%

Impacts of Rate Increases	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Rate Revenues After Rate Increase	\$ 0	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,856,771	\$ 2,864,994	\$ 2,873,217	\$ 2,881,439	\$ 2,998,024	\$ 3,006,555	\$ 3,015,086
Full Year Rate Revenues After Rate Increase	0	2,053,731	2,059,711	2,065,691	2,071,672	2,856,771	2,864,994	2,873,217	2,881,439	2,998,024	3,006,555	3,015,086
Additional State Taxes Due to Rate Increases	-	-	-	-	-	-	-	-	-	-	-	-
Net Cash Flow After Rate Increase	0	1,100,020	438,317	123,435	(133,599)	366,074	90,729	56,206	27,300	105,623	67,424	35,383
Coverage After Rate Increase	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a



City of Surprise

Stormwater Utility Rate Study

Fund Activity

Funds	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
STORMWATER OPERATIONS FUND												
Beginning Balance	\$ -	\$ 0	\$ 274,355	\$ 280,232	\$ 336,592	\$ 202,994	\$ 357,497	\$ 367,598	\$ 379,924	\$ 390,640	\$ 401,678	\$ 415,152
plus: Net Cash Flow after Rate Increase	0	1,100,020	438,317	123,435	(133,599)	366,074	90,729	56,206	27,300	105,623	67,424	35,383
less: Transfer of Surplus to Capital Fund	-	(825,665)	(432,440)	(67,075)	-	(211,571)	(80,628)	(43,880)	(16,584)	(94,585)	(53,949)	(23,673)
Ending Balance	\$ 0	\$ 274,355	\$ 280,232	\$ 336,592	\$ 202,994	\$ 357,497	\$ 367,598	\$ 379,924	\$ 390,640	\$ 401,678	\$ 415,152	\$ 426,862
Minimum Target Balance	\$ 98,707	\$ 156,774	\$ 160,132	\$ 192,338	\$ 198,680	\$ 204,284	\$ 210,056	\$ 217,099	\$ 223,223	\$ 229,530	\$ 237,230	\$ 243,921
Maximum Funds to be Kept as Operating Reserves	\$ 172,738	\$ 274,355	\$ 280,232	\$ 336,592	\$ 347,690	\$ 357,497	\$ 367,598	\$ 379,924	\$ 390,640	\$ 401,678	\$ 415,152	\$ 426,862
Info: No of Days of Cash Operating Expenses	0	105	105	105	61	105	105	105	105	105	105	105
OPERATIONS FUND - CAPITAL PORTION												
Beginning Balance	\$ -	\$ -	\$ 825,665	\$ 1,277,800	\$ 1,364,095	\$ 1,403,638	\$ 1,856,804	\$ 1,858,752	\$ 2,022,163	\$ 2,019,433	\$ 1,946,708	\$ 2,325,397
plus: Rate Funded Capital	-	-	650,000	775,000	1,000,000	1,250,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
plus: Transfers from Operating Fund	-	825,665	432,440	67,075	-	211,571	80,628	43,880	16,584	94,585	53,949	23,673
plus: Grants/ Donations/ CIAC	-	-	-	-	-	-	-	-	-	-	-	-
plus: Additional Proceeds (Costs)	-	-	-	-	-	-	-	-	-	-	-	-
plus: Revenue Bond Proceeds	-	-	-	-	-	-	-	-	-	-	-	-
plus: Other Loans	-	-	-	-	-	-	-	-	-	-	-	-
plus: Other Low Interest Loan Proceeds	-	-	-	-	-	-	-	-	-	-	-	-
plus: Interest Earnings	-	-	8,257	12,778	13,641	14,036	18,568	18,588	20,222	20,194	19,467	23,254
Total Funding Sources	\$ -	\$ 825,665	\$ 1,916,362	\$ 2,132,653	\$ 2,377,736	\$ 2,879,246	\$ 3,456,000	\$ 3,421,219	\$ 3,558,969	\$ 3,634,212	\$ 3,520,124	\$ 3,872,324
less: Capital Expenditures	-	-	(638,562)	(768,557)	(974,098)	(1,022,441)	(1,597,248)	(1,399,056)	(1,539,536)	(1,687,504)	(1,194,727)	(1,232,523)
Ending Capital Fund Balance	\$ -	\$ 825,665	\$ 1,277,800	\$ 1,364,095	\$ 1,403,638	\$ 1,856,804	\$ 1,858,752	\$ 2,022,163	\$ 2,019,433	\$ 1,946,708	\$ 2,325,397	\$ 2,639,801
Minimum Target Balance	\$ 200,000	\$ 200,000	\$ 212,771	\$ 228,142	\$ 247,624	\$ 268,073	\$ 300,018	\$ 327,999	\$ 358,790	\$ 392,540	\$ 416,435	\$ 441,085
DEBT RESERVE												
New Debt												
Beginning Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
plus: Reserve Funding from New Debt	-	-	-	-	-	-	-	-	-	-	-	-
less: Use of Reserves for Debt Service	-	-	-	-	-	-	-	-	-	-	-	-
Ending Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Minimum Target Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



City of Surprise

Stormwater Utility Rate Study

Equivalent Dwelling Units (EDUs)

Customer Type	Accounts	Gross Parcel Area	Impervious Surface Area	Chargeable Pervious Area (Ag)	EDUs
Residential					
Single Family Residential	43,700				43,700
RV Parks	3,267				3,267
Non-Residential					
Commercial	1,869	135,587,096	135,587,096		39,645
Agricultural	10	139,479,120	6,973,956	132,505,164	5,914
Other	-	-	-		-
Subtotal	48,846	275,066,216	142,561,052	132,505,164	92,526
Less: EDU Lost to Credits					(15,858)
Total Chargeable EDUs					76,668

Notes: Square feet for 1 EDU is determined by average Single Family Residence

1 EDU = 3,420 sq. ft. of impervious area

Each Single Family Residence is 1 EDU

Commercial and Other Non-Residential customers are charged based on sq. ft. of Impervious Surface Area

Agricultural is charged based on Impervious Surface Area, plus Chargeable Pervious Area times

10%

RV Dwelling Units are considered 1.00 EDU

Assumed to be 40% of Non-Residential EDUs lost to credits

Agricultural Lands (based on PDF file received 9/2)

Customer 1	1,150
Customer 2	229
Customer 3	148
Customer 4	47
Customer 5	283
Customer 6	277
Customer 7	285
Customer 8	72
Customer 9	559
Customer 10	152
Total Acres	3,202
Sq ft per Acre	43,560
Total Sq Ft	139,479,120
Assumed Portion of ISA	5%
Total ISA Sq Ft	6,973,956

RV Parks

	Spaces
MICASA Mobile Homes	50
Donorma RV Park	11
Sunflower RV Park	583
Sunflower RV Park	557
Hernandez, Antonio	13
Resendiz, Octavio	5
C & C Trailer Park	16
Desertaire Owner has three parcels	16
Desertaire only 1 designated as commercial	15
Happy Trails Comm Assoc	2,001
Total RV Parks	3,267

One bill to be sent to each RV Park based on lot count, up to HOA or owner to allocate (based on 7/2/15 email from David Kohlbeck)

Commercial (based on Excel file received 5/21)



City of Surprise

Stormwater Utility Rate Study

Credit Calculation

Expense Allocation	FY 2019	Base %	Use %	Base \$	Use \$
Streets ROW	\$ 127,592	100%	0%	\$ 127,592	\$ -
Streets Street Sweeping	384,973	100%	0%	384,973	-
Sewer Collections	119,544	100%	0%	119,544	-
General Operations	24,040	100%	0%	24,040	-
Future Operational Needs	513,908	50%	50%	256,954	256,954
Rate Funded Capital	775,000	50%	50%	387,500	387,500
Total	\$ 1,945,058	67%	33%	\$ 1,300,604	\$ 644,454

ok

Credit Alternative #1	Base	Use	Total
Costs	\$ 1,300,604	\$ 644,454	
Applicable EDUs	93,334	74,951	
EDU Based Rate	\$ 1.16	\$ 0.72	\$ 1.88
Maximum Credit		38%	

Monthly Rate

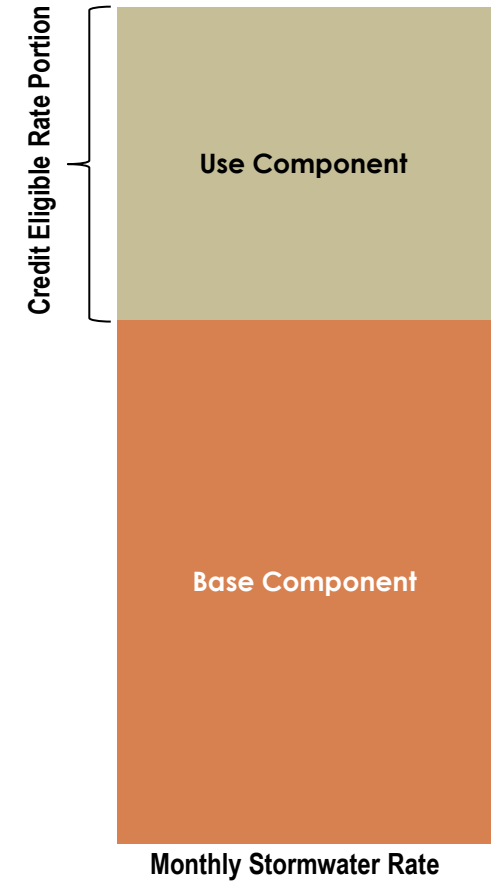
Choose:
Alternative #1

Credit Alternative #2	Base	Use	Total
Costs	\$ 1,300,604	\$ 644,454	
Applicable EDUs		74,951	
Accounts	49,273		
Account / EDU Based Rate	\$ 2.20	\$ 0.72	\$ 2.92
Maximum Credit		\$ 0.72	

Monthly Rate

38%
63%

15





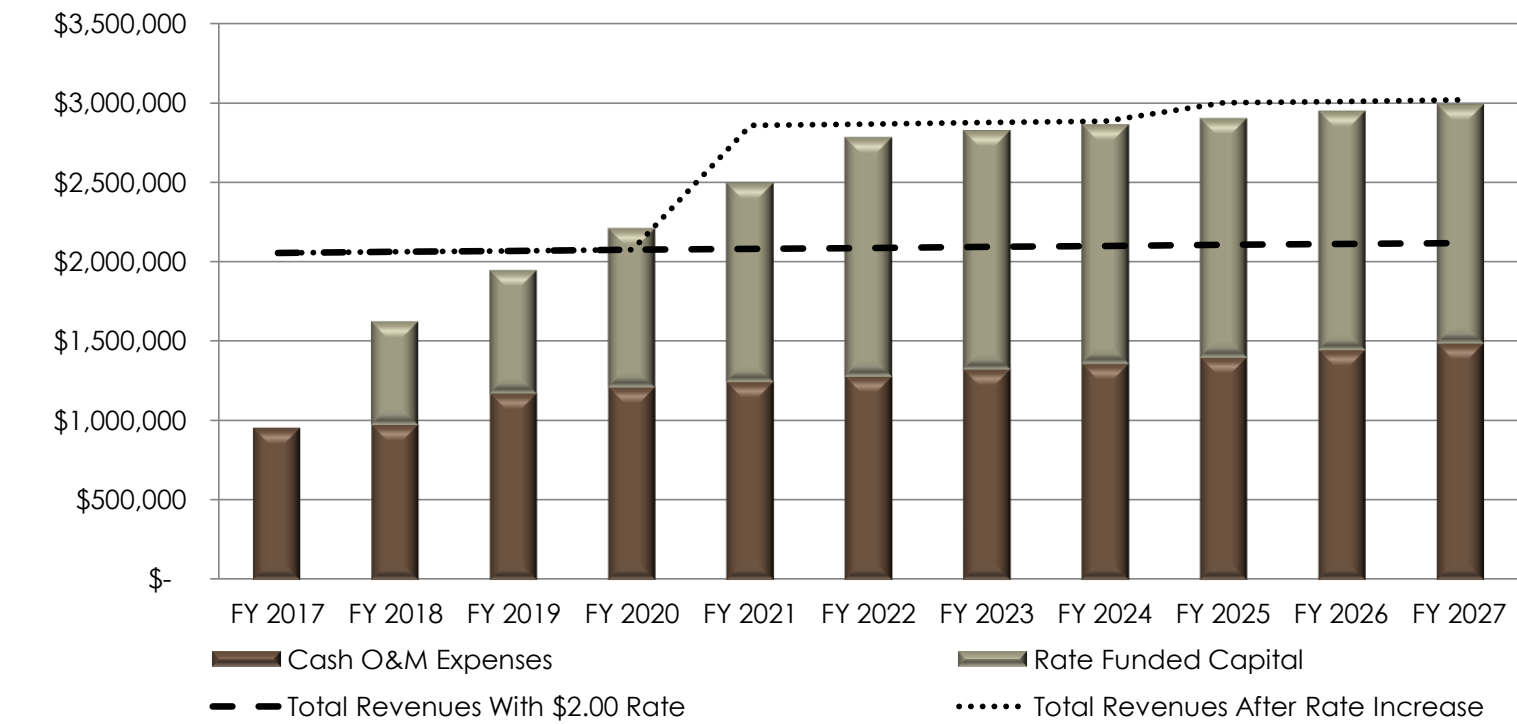
City of Surprise

Stormwater Utility Rate Study

Capital Funding Analysis

Summary of Expenditures	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
CAPITAL PROJECTS												
Improvement Upgrades & Expansions	\$ -	\$ -	\$ 319,281	\$ 384,279	\$ 487,049	\$ 511,221	\$ 798,624	\$ 699,528	\$ 769,768	\$ 843,752	\$ 597,364	\$ 616,261
Repairs and Replacements	-	-	319,281	384,279	487,049	511,221	798,624	699,528	769,768	843,752	597,364	616,261
TOTAL CAPITAL EXPENDITURES	\$ -	\$ -	\$ 638,562	\$ 768,557	\$ 974,098	\$ 1,022,441	\$ 1,597,248	\$ 1,399,056	\$ 1,539,536	\$ 1,687,504	\$ 1,194,727	\$ 1,232,523
Capital Financing Plan	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Additional Proceeds (Costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Specific CIAC	-	-	-	-	-	-	-	-	-	-	-	-
Project to be Funded	\$ -	\$ -	\$ 638,562	\$ 768,557	\$ 974,098	\$ 1,022,441	\$ 1,597,248	\$ 1,399,056	\$ 1,539,536	\$ 1,687,504	\$ 1,194,727	\$ 1,232,523
OTHER FUNDING SOURCES												
Other Outside Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate Funded System Reinvestment	-	-	650,000	775,000	1,000,000	1,250,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Connection Fee Revenue Towards Capital	-	-	-	-	-	-	-	-	-	-	-	-
Other Loans	-	-	-	-	-	-	-	-	-	-	-	-
Low Interest Loans	-	-	-	-	-	-	-	-	-	-	-	-
Revenue Bond Proceeds	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL CAPITAL RESOURCES	\$ -	\$ -	\$ 650,000	\$ 775,000	\$ 1,000,000	\$ 1,250,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000
Info: Working Capital Contingency Deficit	(200,000)	-	-	-	-	-	-	-	-	-	-	-

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Cash O&M Expenses	\$ 953,711	\$ 974,138	\$ 1,170,058	\$ 1,208,636	\$ 1,242,727	\$ 1,277,840	\$ 1,320,687	\$ 1,357,939	\$ 1,396,308	\$ 1,443,149	\$ 1,483,855
Existing Debt Service	-	-	-	-	-	-	-	-	-	-	-
New Debt Service	-	-	-	-	-	-	-	-	-	-	-
Rate Funded Capital	-	650,000	775,000	1,000,000	1,250,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Additions Required to Meet Operating F	-	-	-	-	-	-	-	-	-	-	-
Total Expenses	\$ 953,711	\$ 1,624,138	\$ 1,945,058	\$ 2,208,636	\$ 2,492,727	\$ 2,777,840	\$ 2,820,687	\$ 2,857,939	\$ 2,896,308	\$ 2,943,149	\$ 2,983,855
Rate Revenues Under Existing Rates	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,077,652	\$ 2,083,632	\$ 2,089,612	\$ 2,095,592	\$ 2,101,572	\$ 2,107,553	\$ 2,113,533
Non-Rate Revenues	0	2,744	2,802	3,366	2,030	3,575	3,676	3,799	3,906	4,017	4,152
Total Revenues With \$2.00 Rate	\$ 2,053,731	\$ 2,062,455	\$ 2,068,494	\$ 2,075,037	\$ 2,079,682	\$ 2,087,207	\$ 2,093,288	\$ 2,099,391	\$ 2,105,479	\$ 2,111,569	\$ 2,117,684
Rate Revenues After Rate Increase	\$ 2,053,731	\$ 2,059,711	\$ 2,065,691	\$ 2,071,672	\$ 2,856,771	\$ 2,864,994	\$ 2,873,217	\$ 2,881,439	\$ 2,998,024	\$ 3,006,555	\$ 3,015,086
Total Revenues After Rate Increase	\$ 2,053,731	\$ 2,062,455	\$ 2,068,494	\$ 2,075,037	\$ 2,858,801	\$ 2,868,569	\$ 2,876,893	\$ 2,885,239	\$ 3,001,931	\$ 3,010,572	\$ 3,019,238



Legal Notice

City of Surprise

Notice of Public Hearing Regarding City's Intention to Set Stormwater Utility Rates

The City of Surprise hereby gives notice pursuant to Arizona Revised Statute section 9-511.01 of a public hearing to be held at the regularly scheduled City Council meeting on May 17, 2016 at 6 p.m. in the City Hall Council Chambers, 16000 N. Civic Center Plaza, Surprise AZ in connection with the City's intention to consider a resolution to establish Stormwater utility charges for November 1, 2016 through June 30, 2021. At the public hearing the City will accept verbal and written comments concerning the proposed utility rate resolution. The comprehensive utility rate study report is available at the City Clerk's office and available online at <http://www.surpriseaz.gov/>.

Notice of New Stormwater Utility Fees

Pursuant to Arizona Revised Statutes (A.R.S) § 9-499.15 notice is hereby given that the City of Surprise intends to discuss and take action to establish the following stormwater utility fees at the Regular City Council Meeting May 17, 2016 6:00 p.m.:

Monthly Rate Per Equivalent Dwelling Unit (EDU)	FY2017	FY2018	FY2019	FY2020	FY2021
	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.75

* The total monthly stormwater fee per resident is subject to the following classifications and credit programs:

Classifications

Residential	EDU's	
Single Family Residence	1	Per Residence
Non-Residential		
RV Park	1	Per Pad
Commercial/Industrial	1	Per 3,420 Square Feet of Impervious Area
Schools/Churches	1	Per 3,420 Square Feet of Impervious Area
Agriculture- Impervious Area	1	Per 3,420 Square Feet of Impervious Area
Agriculture- Farmed Area (Fee applied only to 10% of total farmed area)	1	Per 3,420 Square Feet of Farmed Area

Improved Land Stormwater Utility Fee is based on land use classification rates above.

Undeveloped Land is exempt from Stormwater Utility Fee.

Commercial Credit Programs

Infrastructure Credit Program (Up to 25% Credit)

1. > 10% Above Standard Requirements	5% Credit
2. > 25% Above Standard Requirements	10% Credit
3. > 35% Above Standard Requirements	15% Credit
4. > 50% Above Standard Requirements	20% Credit
5. Creative means to achieve Above Standard Requirements	5% Credit

Regulatory Credit Program (Up to 13% Credit)

School Education Credit (participate in County Program)	8% Credit
Public Participation	5% Credit
Partnership Donations	5% Credit
Industrial AZPDES Credit	5% Credit
Bonus: Participate in any 2	3% Credit

Additional information may be obtained by contacting Terry Lowe, Water Resource Management Director at 623-222-6000.



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

[Back](#) [Print](#)

Council Meeting Date:	April 5, 2016	Contact Person:	Edith Baltierrez, Senior Management Analyst
Submitting Department:	City Mgr	District:	Citywide
Staff Recommendations:	None		

Consent	Regular	Public Hearing	Report/Discussion
---------	---------	----------------	-------------------

Agenda Wording:

Consideration and action pertaining to the Arts & Cultural Advisory Commission's recommendation for the City to acquire art piece "Top Knot" [formerly known as "Knot me"] at a cost not to exceed \$14,000.

Motion:

I move to approve the acquisition of the art piece "Top Knot" at a cost not to exceed \$14,000.

Background:

The Surprise Arts and Cultural Advisory Commission has previously discussed the potential purchase of this piece of art, including price, placement, questions regarding the engineering assessment of the piece, and other important items of consideration relative to the purchase. Although the Commission voted at their January meeting to recommend the purchase of the piece to Council, the artist had subsequently sold the piece. The artist has offered to re-create the piece for the same price. At February's meeting, the Commission voted to continue with the recommendation to Council to purchase the piece of art.

The artwork is anticipated to be delivered and installed in the month of August 2016. There are also four proposed locations for the art piece to be displayed on the exterior premises of the City Hall campus. The Surprise Arts & Cultural Advisory Commission favors location one which is south of the City Hall parking garage and also meets the criteria to secure the art piece into a concrete surface.

Objective Analysis:

This would directly support the City's goal and policy of the ratified General Plan 2035's Art and Culture Element to incorporate arts programs and projects.

Policy Compliant:

The City Manager's Office, the City Attorney's Office and the Finance Department are working together to create an agreement consistent with City policy and will execute upon approval of City Council's authorization to fund the purchase of the "Top Knot" art piece.

Financial Impact:

The total cost of acquiring the “Top Knot” art piece is estimated to be \$14,000. The cost includes art piece acquisition, taxes, delivery, installation and structural engineering review.

Budget Impact:

Funds for the purchase and associated costs of the art piece are available in the Community Recreation Services operating budget for FY2016. A total of \$10,000 was approved as part of the FY2016 budget for art acquisition. An additional \$4,000 is available to cover the associated costs with acquiring the art piece.

FTE Impact:

No FTE impact.

ATTACHMENTS:

Click to download

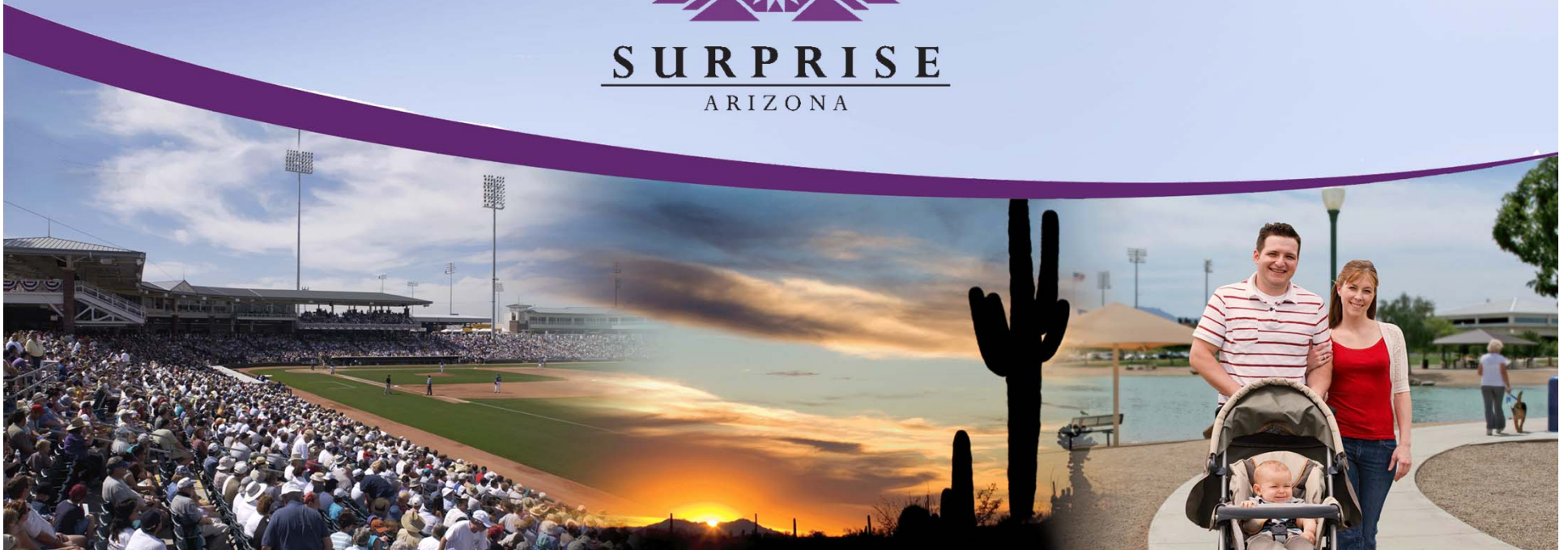
☐ [PRESENTATION](#)

Public Art Purchase: Top Knot

City Council Meeting

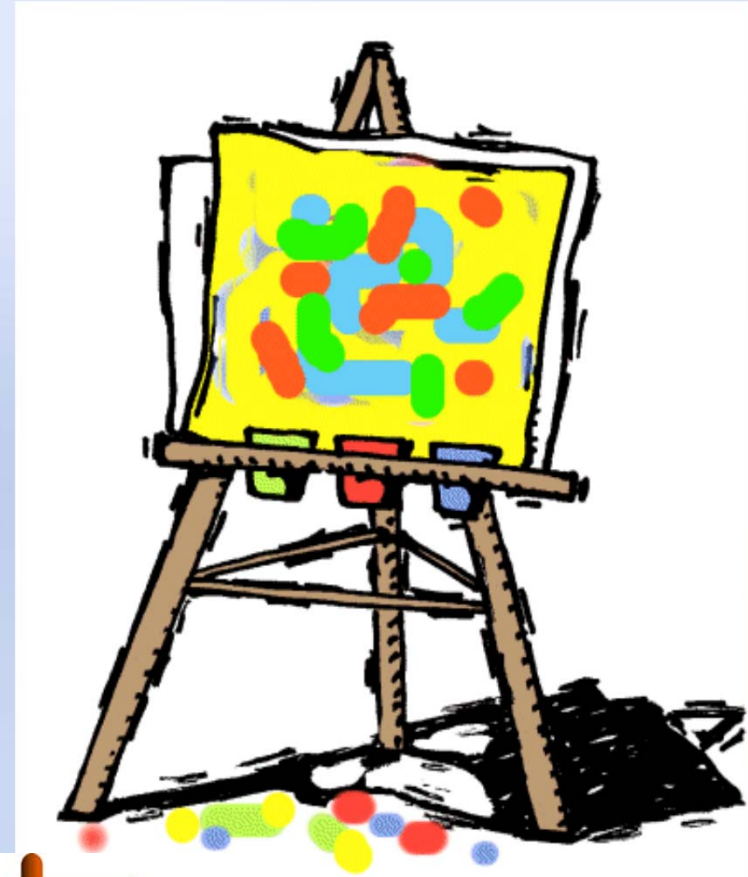
April 5, 2016

Office of the City Manager and
Surprise Arts & Cultural Advisory Commission



OVERVIEW

- **Selection of Art Piece**
- **Cost: \$14,000 (approx.)**
- **Process to Purchase**
 - **Service Agreement**
 - **Fabrication**
 - **Placement**
 - **Installation**

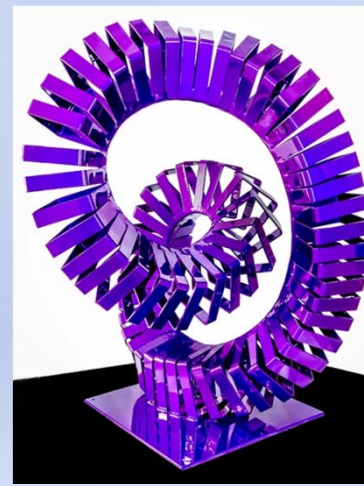


ARTIST



- **Kevin Caron**

- Full-time artist since 2006
- More than **45 public and private commissions** throughout the United States
- Westmarc's 17th annual **Best of the West, Arts and Cultural Award** winner for public sculpture Hands On
- **Sculptor of the Year in 2012, 2013 and 2014**, Art Trends Magazine



PUBLIC COMMISSIONS

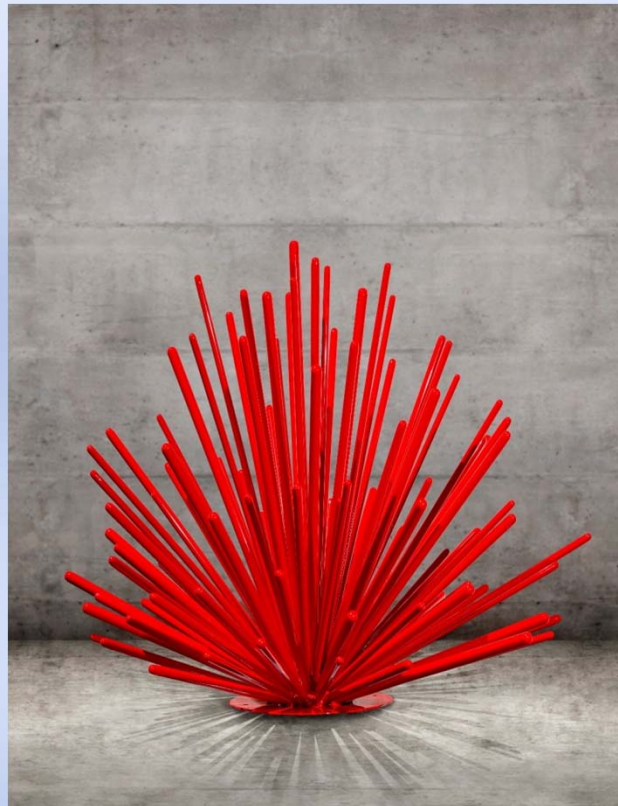
Where You Go, There You Are
Tucson, Arizona



The Seed
Chandler, Arizona



Giant Street Urchin
Jupiter, Florida



ART PIECE

Top Knot

powder-coated steel

Proposed specifications:

102" x 48" x 64"

(8½ feet x 4 feet x 5.3 feet)

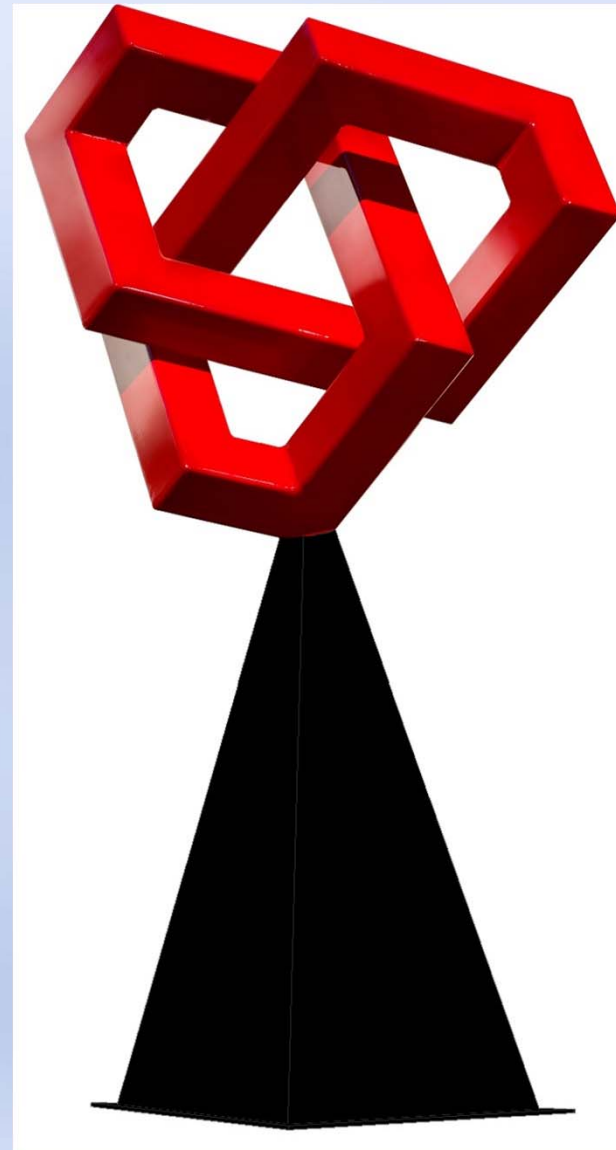
Upper section: ¼" wall,

5" steel box tubing

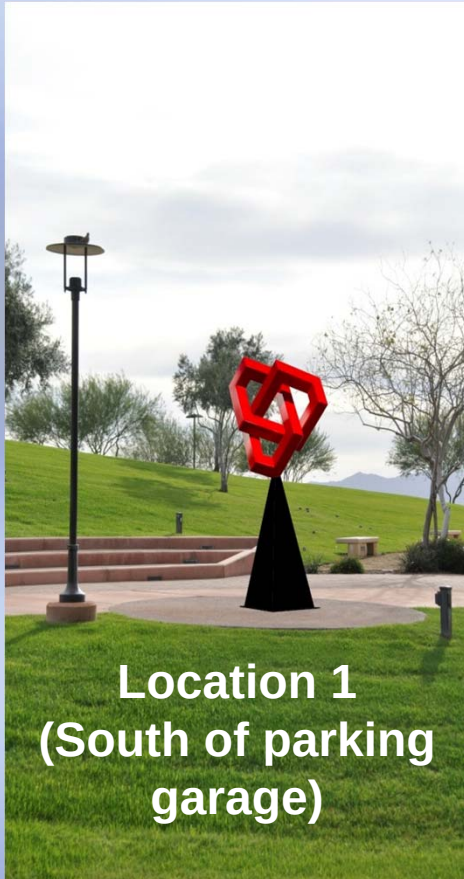
Pedestal: ¼" steel plate with

½" steel plate base

Welded into a single piece



PROPOSED SITES





SURPRISE
ARIZONA

PREFERRED LOCATION



Location 1
(South of parking garage)



NEXT STEPS/TIMELINE

- **April 5, 2016**
 - Approval to move forward with purchase
 - Enter into an agreement with artist to acquire art piece
- **Summer 2016**
 - Artist fabricates art piece
- **August 2016**
 - Installation of art piece
 - City takes possession of art piece

Questions | Comments





CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

[Back](#) [Print](#)

Council Meeting Date: April 5, 2016
Submitting Department: Finance Dept
Staff Recommendations: None

Contact Person: Lindsey Duncan, Finance Director
District: Citywide

Consent	Regular	Public Hearing	Report/Discussion
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Agenda Wording:

Discussion pertaining to revenue projections and expenditure recommendations.

Motion:

None; discussion only.

Background:

This is the fifth in a series of discussions regarding the FY2017 operating budget. This discussion will focus on FY2016 year end estimates, FY2017 projections, and expenditure recommendations for FY2017.

Objective Analysis:

None; discussion only.

Policy Compliant:

The presentation is consistent with City and Council Policy.

Financial Impact:

None at this time; however, topics covered in this presentation could lead to future actions which may have a fiscal impact on the city's operations.

Budget Impact:

None at this time; however, topics covered in this presentation could lead to future actions which may have a FY2017 budget impact on the city's operations.

FTE Impact:

The number of full time equivalents (FTE) is not impacted by this item.

ATTACHMENTS:

Click to download

No Attachments Available



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

[Back](#) [Print](#)

Council Meeting Date:	April 5, 2016	Contact Person:	Martin Lucero, Community Development
Submitting Department:		District:	Citywide
Staff Recommendations:	No Action		

Consent	Regular	Public Hearing	Report/Discussion
---------	---------	----------------	-------------------

Agenda Wording:

Consideration and action to approve four Intergovernmental Agreements pertaining to grant funding for Safe Routes to School Action Plans, maps, and crosswalk safety equipment; Resolution #2016-34.

Motion:

I move to approve Resolution #2016-34.

Background:

Staff regularly is in search of grant opportunities that will have a positive impact to the City. These grants will help create Safe Route to School Plans for various Dysart Unified School District (DUSD) schools, create walking maps for DUSD elementary schools, and procurement of crosswalk safety equipment.

Objective Analysis:

These four grants will allow the City to bring in outside consultants to evaluate pedestrian safety along highly publicized corridors and to help identify solutions to a pedestrian crossing.

Policy Compliant:

This is compliant with the City of Surprise Strategic Plan under Transportation - Goal 7: Identify funding sources for the transportation system.

Strategies: d. Review federal MAP-21 legislation and grant programs to identify potential federal funding opportunities for City of Surprise transportation system projects.

Financial Impact:

This grant award is \$192,372 for professional and outside services and \$10,373 for equipment for a one-time total of \$202,745. There is a city match requirement of \$12,255 which will be met with the Community Development Department's General Fund budget for a total project budget of \$215,000.

Budget Impact:

The total cost in the amount of \$215,000 will be included as a part of the FY2017 budget, which includes \$202,745 in the Grants fund and \$12,255 in the General Fund.

FTE Impact:

This item does not have an impact on current staff levels.

ATTACHMENTS:

Click to download

- ☐ [00 - Safe Routes to School Action Plan - Staff Report](#)
 - ☐ [01 - Safe Routes to School Action Plan - Project Location Map](#)
 - ☐ [Resolution 2016-34](#)
 - ☐ [04 - Safe Routes to School Action Plan - Presentation](#)
-



COMMUNITY DEVELOPMENT

Date: April 5, 2016

To: Mayor and City Council

From: Martin Lucero, Transportation Planning Manager
martin.lucero@surpriseaz.gov, 623-222-3142
Eric Fitzer, Community Development Director

Re: Transportation Alternative Non-Infrastructure Grant Funds –
Safe Routes to School Action Plan

As set in State Statutes § 48-572 the City needs to enter into an agreement by resolution to accept and utilize the Transportation Alternative Non-Infrastructure funds – for the completion of a Safe Routes to School Action Plan, which it was awarded through a competitive grant process.

Background

The City has been awarded Transportation Alternative Non-Infrastructure grants for the development of Safe Routes to School Action Plans for eight elementary schools, walking maps for Dysart elementary schools and for the procurement of crosswalk safety equipment. The City has begun the work for three schools this fiscal year and will initiate the work for the remaining schools and procurement of equipment in fiscal year 2017.

The work proposed under Joint Powers Agreement (JPA) will allow the State to acquire Federal funds to develop a SRTS study for the City of Surprise Schools. The Study will develop a Safe Routes to School Action Plan for three charter schools within the City of Surprise.

Transportation Alternative Non-Infrastructure Grant Award

Fiscal Year	Project Name	Total Amount	Federal Match	Local Match
FFY 17	SRTS Studies for Parkview, Countryside and Aston Ranch	\$62,000.00	\$58,466.00	\$3,534.00
FFY 17	SRTS Studies for Marley Park and Rancho Gabriela Schools	\$42,000.00	\$39,606.00	\$2,394.00
FFY 17	Crosswalk Safety Equipment for Dysart Schools	\$11,000.00	\$10,373.00	\$627.00
FFY 17	SRTS Walking/Biking Maps for Dysart Schools	\$100,000.00	\$94,300.00	\$5,700.00
	TOTAL	\$215,000.00	\$202,745.00	\$12,255.00

The City of Surprise in partnership with five elementary schools and the Dysart School District was awarded three Transportation Alternative Non-Infrastructure grants. These grants will help develop a Safe Routes to School Action Plan for Marley Park, Rancho Gabriela, Parkview, Countryside, and Aston Ranch Elementary Schools. It also provides funding for the procurement of Crosswalk Safety Equipment.

It is anticipated that the plans will outline a series of recommendations and next steps for each school site. The final product will consist of a report that identifies existing conditions, provides a walk and bike assessment and develops site-specific action plans that identify strategies with prioritized short and long term action steps.

Fiscal Implication

This project is part of the proposed FY2017 budget.

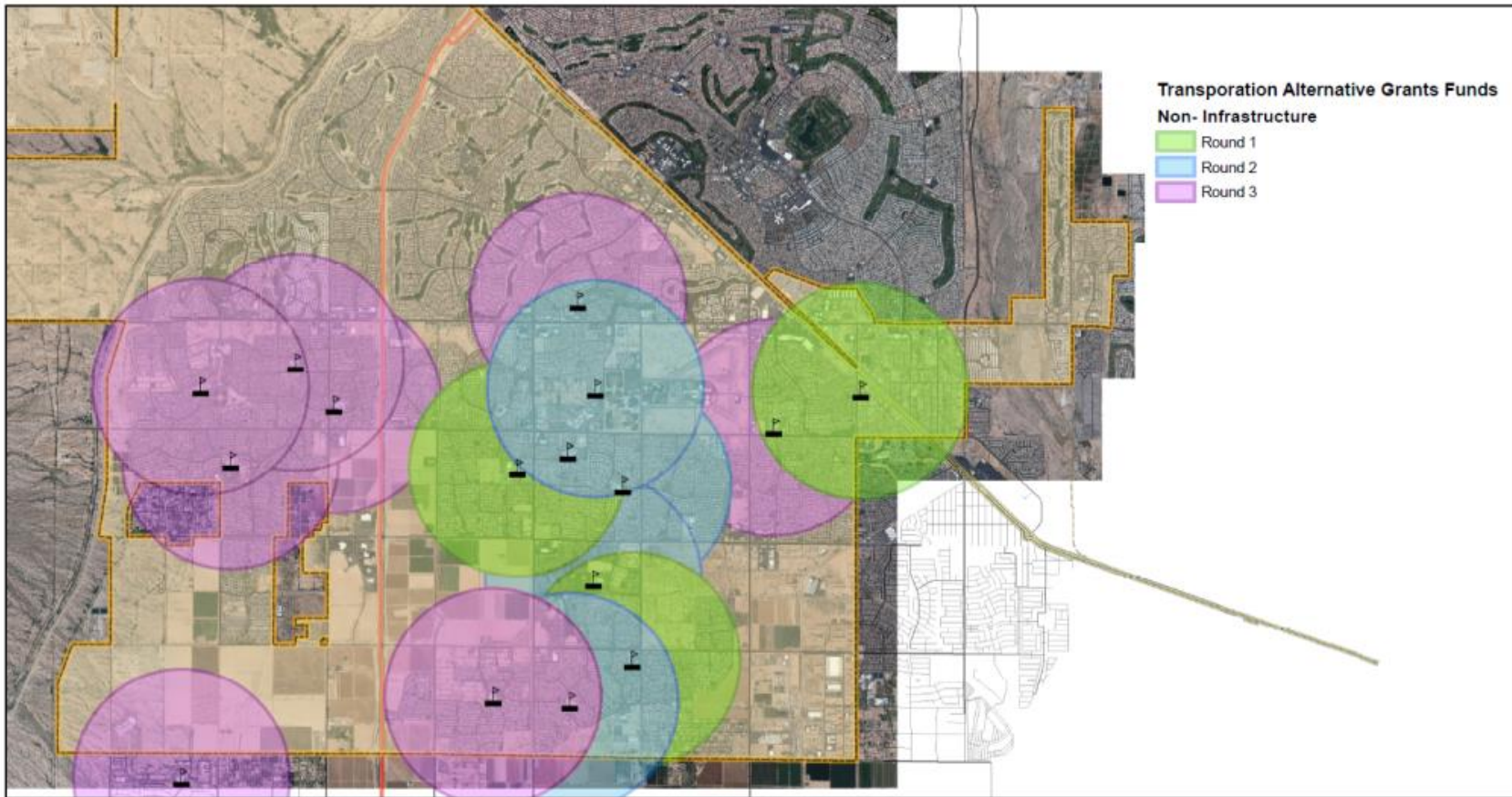
Recommendation

That the Mayor and City Council approve Resolution No. 2016-XXXX authorizing the Mayor to execute an Intergovernmental Agreement (IGA) between the City of Surprise and the State of Arizona Department of Transportation, to accept and utilize the Transportation Alternative Non-Infrastructure funds – for the completion of a Safe Routes to School Action Plan.

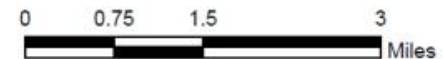
This agreement will not result in any budgetary impact to the City.

ATTACHMENTS:

1. Project Location Map
2. PowerPoint Presentation
3. Intergovernmental Agreement
4. Resolution No. 2016-xxxx



Safe Routes to School Grants



RESOLUTION # 2016-34

A RESOLUTION OF THE MAYOR AND COUNCIL OF THE CITY OF SURPRISE, ARIZONA, AUTHORIZING THE CITY TO ENTER INTO AN INTERGOVERNMENTAL AGREEMENT WITH ARIZONA DEPARTMENT OF TRANSPORTATION FOR TRANSPORTATION ALTERNATIVE NON-INFRASTRUCTURE GRANT FUNDS TO ESTABLISH A SAFE ROUTES TO SCHOOL ACTION PLAN.

WHEREAS, pursuant to Arizona Revised Statute §11-952, the City of Surprise has the authority to enter into intergovernmental agreements with other governmental entities;

WHEREAS, the City supports policies and programs that focus on health and wellness and healthier community environments;

WHEREAS, having safer routes to and from schools can decrease pedestrian and bicycling related injuries, not just for students, but for the entire community;

WHEREAS, the City wishes to utilize grant funding to develop Safe Routes to School action plans, maps, and procure crosswalk safety equipment;

WHEREAS, the City applied for and was awarded four Transportation Alternative Non- Infrastructure grants with the Arizona Department of Transportation in August of 2015 for a total of \$202,745 with a City match requirement of \$12,255 for a total budget of \$215,000;

WHEREAS, the grant award will be included as a part of the FY2017 budget;

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the City of Surprise, Arizona, as follows.

Section 1. The four Intergovernmental Agreements between the City of Surprise and the Arizona Department of Transportation, attached as Exhibit A, are approved.

Section 2. The City of Surprise is authorized to accept grant funding in the amount of \$202,745 with a City match requirement of \$12,255 from the Arizona Department of Transportation for the City of Surprise Community Development Department to develop Safe Routes to School action plans, maps, and procure crosswalk safety equipment.

Section 3. The City Manager, or his designee, is hereby authorized to execute and submit all documents and other necessary or desirable instruments in connection with said agreement.

APPROVED AND ADOPTED this ____ day of _____, 2016.

Sharon R. Wolcott, Mayor

Attest:

Approved as to form:

Sherry Aguilar, City Clerk

Robert Wingo, City Attorney

EXHIBIT A

INTERGOVERNMENTAL AGREEMENT BETWEEN
THE CITY OF SURPRISE AND ARIZONA DEPARTMENT OF
TRANSPORTATION

ADOT CAR No.: IGA/JPA 16-0005732-I
AG Contract No.: P001 2016 000668
Project: Dysart Schools SRTS Map
Update
Section: Various Locations
Federal Project No. SUR-0(229)T:
ADOT Project No.: T004901X
TIP/STIP No.: SUR17-470
**CFDA No.: 20.205 - Highway Planning
and Construction**
Budget Source Item No.: N/A

INTERGOVERNMENTAL AGREEMENT

BETWEEN
THE STATE OF ARIZONA
AND
THE CITY OF SURPRISE

THIS AGREEMENT is entered into this date _____, 2016, pursuant to the Arizona Revised Statutes § 11-951 through § 11-954, as amended, between the STATE OF ARIZONA, acting by and through its DEPARTMENT OF TRANSPORTATION (the "State" or "ADOT") and the CITY OF SURPRISE, acting by and through its Mayor and City Council (the "City"). The State and the City are collectively referred to as "Parties."

I. RECITALS

1. The State is empowered by Arizona Revised Statutes § 28-401 to enter into this Agreement and has delegated to the undersigned the authority to execute this Agreement on behalf of the State.
2. The City is empowered by Arizona Revised Statutes § 48-572 to enter into this Agreement and has by resolution, a copy of which is attached hereto and made a part hereof, resolved to enter into this Agreement and has authorized the undersigned to execute this Agreement on behalf of the City.
3. The Safe Routes to School Program (SRTS) was created by the U.S. Congress as part of a federal transportation bill called SAFETEA-LU. This is a non-infrastructure project in which the recipient has up to thirty-six (36) months to expend the funds, unless otherwise specified.
4. The purpose of this Agreement between the State and the City is to allow the State to acquire federal funds for the implementation of various educational safety programs, hereinafter referred to as the 'Project'. The Project will consist of a Safe Routes to School study for City schools, to provide an opportunity for community engagement that will result in customized programs to encourage and educate parents students, school officials, staff, crossing guards, and PTA on walking and bicycling to school. The City as a recipient of this SRTS grant will procure services and/or materials or equipment following the State procurement process or utilize an established ADOT procurement contract for the procurement of services, and/or materials or equipment. The Project has been submitted to the State and Federal Highway Administration (FHWA) for their approval.

THEREFORE, in consideration of the mutual Agreements expressed herein, it is agreed as follows:

II. SCOPE OF WORK

1. The State will:

a. Upon execution of this Agreement, if the Project is approved by FHWA and funds for the Project are available, be the City's designated agent for the Project.

b. Review and approve the SRTS application submitted by the City. Verify the City demonstrates the ability to meet the SRTS requirements and provide an environmental review.

c. Submit the ADOT PMDR Review funding for federal authorization in the amount of **\$2,829.00** in MAG PIP funding. The City has already submitted the local match funding in the amount of **\$171.00** for these funds. These funds will solely be used for the activities which are included but not limited to ADOT's PMDR. In the case these funds are not exhausted at the end of the project, the Project Manager will work with the City to re-allocate the funds for use on the project for eligible SRTS expenses.

d. Once costs have been incurred and paid by the City and within thirty (30) days of receipt of an approved Progress Payment Report for eligible SRTS expenses, reimburse the City for eligible costs incurred not to exceed **\$94,300.00**. Any costs incurred prior to the date of the official SRTS Notice to Proceed will not be eligible for reimbursement. Any reimbursements shall be submitted and will be processed at the prorated percentage of 94.3% up to the total amount of federal funds programmed for the project.

e. Continuously evaluate the City's program based on the regular submittal of evaluation data and the number of participating students. Should either of these not be met, the State SRTS Project Coordinator maintains the right to discontinue the award.

2. The City will:

a. Upon execution of this Agreement, designate the State as the authorized agent for the City, if such Project is approved by FHWA and funds are available.

b. Upon receipt of the State's environmental review and the official SRTS Notice to Proceed, begin SRTS Program and activities.

c. On a monthly or quarterly basis, complete and submit a Progress Payment Report, and all documentation necessary for reimbursement of eligible costs incurred and paid not to exceed **\$94,300.00**. Any costs incurred prior to the date of the official SRTS Notice to Proceed will not be eligible for reimbursement. Any reimbursements shall be submitted and will be processed at the prorated percentage of 94.3% up to the total amount of federal funds programmed for the project.

d. Communicate regularly with the Transportation Alternatives Program (TAP) coordinator, based within ADOT's Local Public Agency (LPA) Section.

e. Twice a year, once during the fall school semester and once during the spring school semester, conduct surveys of participating classes by using the "Student Travel Tally" sheet. Obtain this form by using the "Data Central" tab and then "Data Collection Forms" from the National Center for Safe Routes to School (NCSRTS) on-line web-site at (www.saferoutesinfo.org). Complete one form for each participating class. Then, enter this data into the NCSRTS database by first creating an account at www.saferoutesdata.org and following the instructions.

f. Submit the cover/front page of the NCSRTS output as verification of surveys and the page entitled "Evaluation -- Semi-Annual Data" as documentation for reimbursements to be processed to the State's SRTS Program Coordinator.

- g. On a semi-annual basis, along with the reimbursement request and data verification, submit a report, no more than one page in length, of your program's progress.
- h. Use the funds in a timely manner. The State SRTS Program Coordinator has the right to discontinue reimbursements if sufficient progress has not been made.
- i. Should the City fail to provide the submittal of evaluation data and the number of participating students on a regular basis, the State's SRTS Program Coordinator maintains the right to discontinue the award.
- j. At Project completion, before the final reimbursement request is submitted, complete and submit the Project Close-Out Evaluation Form.

III. MISCELLANEOUS PROVISIONS

1. This Agreement shall remain in force and effect for up to thirty-six (36) months from the date of execution, including final reimbursement and submittal of final status reports. This Agreement may be cancelled at any time prior to the award of a contract, upon thirty (30) days written notice to the other Party. It is understood and agreed that, in the event the City terminates this Agreement, the City will be responsible for all costs incurred by the State up to the time of termination. It is further understood and agreed that should the City terminate this Agreement; the State shall in no way be obligated to complete the Project.

2. To the extent permitted by law, the City hereby agrees to save and hold harmless, defend and indemnify from loss the State, any of its departments, agencies, officers or employees from any and all liability, costs and/or damage incurred by any of the above arising or resulting from the Agreement; and from any other liability, damage to any person or property whatsoever, which is caused by any activity, negligence, condition, misrepresentation, directives, instruction or event arising out of the performance or non-performance of any provisions of this Agreement by (a) the State, any of its departments, agencies, officers and employees, or its independent contractors; or (b) the City, any of its agents, officers and employees, or its independent contractors. Costs incurred by the State, any of its departments, agencies, officers or employees shall include in the event of any action, court costs, and expenses of litigation and attorneys' fees.

3. The cost of work under this Agreement is to be covered by the maximum available amount of federal funds programmed for this Project. The City acknowledges that actual Project costs may exceed the maximum available amount of federal funds, or that certain costs may not be accepted by FHWA as eligible for federal funds. Therefore, the City agrees to pay the difference between actual costs of the Project and the federal funds received.

4. Should the federal funding related to this Project be terminated or reduced by the federal government, or Congress rescinds, fails to renew, or otherwise reduces apportionments or obligation authority, the State shall in no way be obligated for funding or liable for any past, current or future expenses under this Agreement.

5. The cost of the project under this Agreement includes indirect costs approved by the FHWA, as applicable.

6. The Parties warrant compliance with the Federal Funding Accountability and Transparency Act of 2006 and associated 2008 Amendments (the "Act"). Additionally, in a timely manner, the City will provide information that is requested by the State to enable the State to comply with the requirements of the Act, as may be applicable.

7. The City acknowledges compliance with federal laws and regulations and may be subject to the Office of Management and Budget (OMB), Single Audit, Circular A-133 (Audits of States, Local Governments, and Non-Profit Organizations). Entities that expend \$500,000.00 or more (prior to 12/26/14) and \$750,000.00 or more (on or after 12/26/14) of federal assistance (federal funds, federal grants, or federal awards) are required to comply by having an independent audit. Either an electronic or hardcopy of the Single Audit is to be sent to Arizona Department of Transportation Financial Management Services within the required deadline of nine (9) months of the sub recipient fiscal year end.

ADOT – FMS
Attn: Cost Accounting Administrator
206 S 17th Ave. Mail Drop 204B
Phoenix, AZ 85007
SingleAudit@azdot.gov

8. This Agreement shall become effective upon signing and dating of the Determination Letter by the State's Attorney General.

9. This Agreement may be cancelled in accordance with Arizona Revised Statutes § 38-511.

10. To the extent applicable under law, the provisions set forth in Arizona Revised Statutes § 35-214 and § 35-215 shall apply to this Agreement.

11. This Agreement is subject to all applicable provisions of the Americans with Disabilities Act (Public Law 101-336, 42 U.S.C. 12101-12213) and all applicable Federal regulations under the Act, including 28 CFR Parts 35 and 36. The parties to this Agreement shall comply with Executive Order Number 2009-09 issued by the Governor of the State of Arizona and incorporated herein by reference regarding "Non-Discrimination".

12. Non-Availability of Funds: Every obligation of the State under this Agreement is conditioned upon the availability of funds appropriated or allocated for the fulfillment of such obligations. If funds are not allocated and available for the continuance of this Agreement, this Agreement may be terminated by the State at the end of the period for which the funds are available. No liability shall accrue to the State in the event this provision is exercised, and the State shall not be obligated or liable for any future payments as a result of termination under this paragraph.

13. In the event of any controversy, which may arise out of this Agreement, the Parties hereto agree to abide by required arbitration as is set forth for public works contracts in Arizona Revised Statutes § 12-1518.

14. The Parties shall comply with the applicable requirements of Arizona Revised Statutes § 41-4401.

15. The Parties hereto shall comply with all applicable laws, rules, regulations and ordinances, as may be amended.

16. All notices or demands upon any party to this Agreement shall be in writing and shall be delivered in person or sent by mail, addressed as follows:

For Agreement Administration:

Arizona Department of Transportation
Joint Project Administration
205 S. 17th Avenue, Mail Drop 637E
Phoenix, Arizona 85007
(602) 712-7124
(602) 712-3132 Fax
JPABranch@azdot.gov

City of Surprise
Attn: Martin Lucero
Transportation Planning Manager
16000 N. Civic Center Plaza
Surprise, Arizona 85374
623-222-3142
Fax 623-222-3001

Martin.lucero@surpriseaz.gov

For Program Administration:

Arizona Department of Transportation
Safe Routes To School Program Coordinator
1615 W. Jackson St. EM10
Phoenix, AZ 85007

City of Surprise
Attn: Martin Lucero
Transportation Planning Manager
16000 N. Civic Center Plaza
Surprise, Arizona 85374
623-222-3142
Fax 623-222-3001
Martin.lucero@surpriseaz.gov

For Financial Administration:

Arizona Department of Transportation
Joint Project Administration
205 S. 17th Avenue, Mail Drop 637E
Phoenix, Arizona 85007
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(602) 712-3132 Fax
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City of Surprise
Attn: Martin Lucero
Transportation Planning Manager
16000 N. Civic Center Plaza
Surprise, Arizona 85374
623-222-3142
Fax 623-222-3001
Martin.lucero@surpriseaz.gov #

17. In accordance with Arizona Revised Statutes § 11-952 (D) attached hereto and incorporated herein is the written determination of each Party's legal counsel that the Parties are authorized under the laws of this State to enter into this Agreement and that the Agreement is in proper form.

IN WITNESS WHEREOF, the Parties have executed this Agreement the day and year first above written.

CITY OF SURPRISE

STATE OF ARIZONA

Department of Transportation

By _____
SHARON WOLCOTT
Mayor

By _____
STEVE BOSCHEN, P.E.
ITD Director

ATTEST:

By _____
SHERRY AGUILAR
City Clerk

ATTORNEY APPROVAL FORM FOR THE CITY OF SURPRISE

I have reviewed the above referenced Intergovernmental Agreement between the State of Arizona, acting by and through its DEPARTMENT OF TRANSPORTATION, and the CITY OF SURPRISE, an agreement among public agencies which, has been reviewed pursuant to Arizona Revised Statutes §§ 11-951 through 11-954 and declare this Agreement to be in proper form and within the powers and authority granted to the City under the laws of the State of Arizona.

No opinion is expressed as to the authority of the State to enter into this Agreement.

DATED this _____ day of _____, 2016.

City Attorney

ADOT CAR No.: IGA/JPA 15-0005717-I
AG Contract No.: P001 2016 000xxx
Project Name: Parkview- Countryside -
Aston Ranch SRTS - Surprise
Project Location: Parkview, Countryside,
and Aston Ranch Elementary
Schools
Federal Project No.: SUR-0(226)T
ADOT Project No.: T0033 01X
TIP/STIP No.: SUR16-402
**CFDA No.: 20.205 - Highway Planning
and Construction**
Budget Source Item No.: N/A

INTERGOVERNMENTAL AGREEMENT

BETWEEN
THE STATE OF ARIZONA
AND
THE CITY OF SURPRISE

THIS AGREEMENT is entered into this date _____, 2016, pursuant to the Arizona Revised Statutes § 11-951 through § 11-954, as amended, between the STATE OF ARIZONA, acting by and through its DEPARTMENT OF TRANSPORTATION (the "State" or "ADOT") and the CITY OF SURPRISE, acting by and through its MAYOR and CITY COUNCIL (the "City"). The State and the City are collectively referred to as "Parties."

I. RECITALS

1. The State is empowered by Arizona Revised Statutes § 28-401 to enter into this Agreement and has delegated to the undersigned the authority to execute this Agreement on behalf of the State.
2. The City is empowered by Arizona Revised Statutes § 48-572 to enter into this Agreement and has by resolution, a copy of which is attached hereto and made a part hereof, resolved to enter into this Agreement and has authorized the undersigned to execute this Agreement on behalf of the City.
3. The Safe Routes to School Program (SRTS) was created by the U.S. Congress as part of a federal transportation bill called SAFETEA-LU. This is a non-infrastructure project in which the recipient has up to thirty-six (36) months to expend the funds, unless otherwise specified.
4. The purpose of this Agreement between the State and the City is to allow the State to acquire federal funds for a SRTS study, hereinafter referred to as the 'Project'. The Project will identify needed improvements for the walking/biking routes, educate and promote safe walking activities, and gather and analyze current walking/biking habits of students and parents. The City as a recipient of this SRTS grant will procure services following the State procurement process or utilize an established ADOT procurement contract for the procurement of materials and/or services. The Project has been submitted to the State and Federal Highway Administration (FHWA) for their approval.

THEREFORE, in consideration of the mutual Agreements expressed herein, it is agreed as follows:

II. SCOPE OF WORK

1. The State will:

a. Upon execution of this Agreement, if the Project is approved by FHWA and funds for the Project are available, be the City's designated agent for the Project.

b. Review and approve the SRTS application submitted by the City. Verify the City demonstrates the ability to meet the SRTS requirements and provide an environmental review.

c. Submit the ADOT PMDR Review funding for federal authorization in the amount of **\$2,829.00** in MAG PIP funding. The City has already submitted the local match funding in the amount of **\$171.00** for these funds. These funds will solely be used for the activities which are included but not limited to ADOT's PMDR. In the case these funds are not exhausted at the end of the project, the Project Manager will work with the City to re-allocate the funds for use on the project for eligible SRTS expenses.

d. Once costs have been incurred and paid by the City and within thirty (30) days of receipt of an approved Progress Payment Report for eligible SRTS expenses, reimburse the City for eligible costs incurred not to exceed **\$58,466.00**. Any costs incurred prior to the date of the official SRTS Notice to Proceed will not be eligible for reimbursement. Any reimbursements shall be submitted and will be processed at the prorated percentage of 94.3% up to the total amount of federal funds programmed for the project.

e. Continuously evaluate the City's program based on the regular submittal of evaluation data and the number of participating students. Should either of these not be met, the State SRTS Project Coordinator maintains the right to discontinue the award.

2. The City will:

a. Upon execution of this Agreement, designate the State as the authorized agent for the City, if such project is approved by FHWA and project funds are available.

b. Upon receipt of the State's environmental review and the official SRTS Notice to Proceed, begin SRTS Program and activities.

c. On a monthly or quarterly basis, complete and submit a Progress Payment Report and all documentation necessary for reimbursement of eligible costs incurred and paid not to exceed **\$58,466.00**. Any costs incurred prior to the date of the official SRTS Notice to Proceed will not be eligible for reimbursement. Any reimbursements shall be submitted and will be processed at the prorated percentage of 94.3% up to the total amount of federal funds programmed for the project.

d. Communicate regularly with the Transportation Alternatives Program (TAP) coordinator, based within ADOT's Local Public Agency (LPA) Section.

e. Twice a year, once during the fall school semester and once during the spring school semester, conduct surveys of participating classes by using the "Student Travel Tally" sheet. Obtain this form by using the "Data Central" tab and then "Data Collection Forms" from the National Center for Safe Routes to School (NCSRTS) on-line web-site at (www.saferoutesinfo.org). Complete one form for each participating class. Then, enter this data into the NCSRTS database by first creating an account at www.saferoutesdata.org and following the instructions.

f. Submit the cover/front page of the NCSRTS output as verification of surveys and the page entitled "Evaluation -- Semi-Annual Data" as documentation for reimbursements to be processed to the State's SRTS Program Coordinator.

g. On a semi-annual basis, along with the reimbursement request and data verification, submit a report, no more than one page in length, of your program's progress.

h. Use the funds in a timely manner. The State SRTS Program Coordinator has the right to discontinue reimbursements if sufficient progress has not been made.

i. Should the City fail to provide the submittal of evaluation data and the number of participating students on a regular basis, the State's SRTS Program Coordinator maintains the right to discontinue the award.

j. At Project completion, before the final reimbursement request is submitted, complete and submit the Project Close-Out Evaluation Form.

III. MISCELLANEOUS PROVISIONS

1. This Agreement shall remain in force and effect for up to thirty-six (36) months from the date of execution, including final reimbursement and submittal of final status reports. This Agreement may be cancelled at any time prior to the award of a contract, upon thirty (30) days written notice to the other Party. It is understood and agreed that, in the event the City terminates this Agreement, the City will be responsible for all costs incurred by the State up to the time of termination. It is further understood and agreed that should the City terminate this Agreement; the State shall in no way be obligated to complete the Project.

2. To the extent permitted by law, the City hereby agrees to save and hold harmless, defend and indemnify from loss the State, any of its departments, agencies, officers or employees from any and all liability, costs and/or damage incurred by any of the above arising or resulting from the Agreement; and from any other liability, damage to any person or property whatsoever, which is caused by any activity, negligence, condition, misrepresentation, directives, instruction or event arising out of the performance or non-performance of any provisions of this Agreement by (a) the State, any of its departments, agencies, officers and employees, or its independent contractors; or (b) the City, any of its agents, officers and employees, or its independent contractors. Costs incurred by the State, any of its departments, agencies, officers or employees shall include in the event of any action, court costs, and expenses of litigation and attorneys' fees.

3. The cost of work under this Agreement is to be covered by the maximum available amount of federal funds programmed for this Project. The City acknowledges that actual Project costs may exceed the maximum available amount of federal funds, or that certain costs may not be accepted by FHWA as eligible for federal funds. Therefore, the City agrees to pay the difference between actual costs of the Project and the federal funds received.

4. Should the federal funding related to this Project be terminated or reduced by the federal government, or Congress rescinds, fails to renew, or otherwise reduces apportionments or obligation authority, the State shall in no way be obligated for funding or liable for any past, current or future expenses under this Agreement.

5. The cost of the project under this Agreement includes indirect costs approved by the FHWA, as applicable.

6. The Parties warrant compliance with the Federal Funding Accountability and Transparency Act of 2006 and associated 2008 Amendments (the "Act"). Additionally, in a timely manner, the City will provide

information that is requested by the State to enable the State to comply with the requirements of the Act, as may be applicable.

7. The City acknowledges compliance with federal laws and regulations and may be subject to the Office of Management and Budget (OMB), Single Audit, Circular A-133 (Audits of States, Local Governments, and Non-Profit Organizations). Entities that expend \$500,000.00 or more (prior to 12/26/14) and \$750,000.00 or more (on or after 12/26/14) of federal assistance (federal funds, federal grants, or federal awards) are required to comply by having an independent audit. Either an electronic or hardcopy of the Single Audit is to be sent to Arizona Department of Transportation Financial Management Services within the required deadline of nine (9) months of the sub recipient fiscal year end.

ADOT – FMS

Attn: Cost Accounting Administrator

206 S 17th Ave. Mail Drop 204B

Phoenix, AZ 85007

SingleAudit@azdot.gov

8. This Agreement shall become effective upon signing and dating of the Determination Letter by the State's Attorney General.

9. This Agreement may be cancelled in accordance with Arizona Revised Statutes § 38-511.

10. To the extent applicable under law, the provisions set forth in Arizona Revised Statutes § 35-214 and § 35-215 shall apply to this Agreement.

11. This Agreement is subject to all applicable provisions of the Americans with Disabilities Act (Public Law 101-336, 42 U.S.C. 12101-12213) and all applicable Federal regulations under the Act, including 28 CFR Parts 35 and 36. The parties to this Agreement shall comply with Executive Order Number 2009-09 issued by the Governor of the State of Arizona and incorporated herein by reference regarding "Non-Discrimination".

12. Non-Availability of Funds: Every obligation of the State under this Agreement is conditioned upon the availability of funds appropriated or allocated for the fulfillment of such obligations. If funds are not allocated and available for the continuance of this Agreement, this Agreement may be terminated by the State at the end of the period for which the funds are available. No liability shall accrue to the State in the event this provision is exercised, and the State shall not be obligated or liable for any future payments as a result of termination under this paragraph.

13. In the event of any controversy, which may arise out of this Agreement, the Parties hereto agree to abide by required arbitration as is set forth for public works contracts in Arizona Revised Statutes § 12-1518.

14. The Parties shall comply with the applicable requirements of Arizona Revised Statutes § 41-4401.

15. The Parties hereto shall comply with all applicable laws, rules, regulations and ordinances, as may be amended.

16. All notices or demands upon any party to this Agreement shall be in writing and shall be delivered in person or sent by mail, addressed as follows:

For Agreement Administration:

Arizona Department of Transportation
Joint Project Administration
205 S. 17th Avenue, Mail Drop 637E
Phoenix, Arizona 85007

City of Surprise
Attn: Martin Lucero
16000 N. Civic Center Plaza
Surprise, Arizona 85374

(602) 712-7124
(602) 712-3132 Fax
JPABranch@azdot.gov

(623) 222-3142
(623) 2221001
Martin.Lucero@surpriseaz.gov

For Program Administration:

Arizona Department of Transportation
Safe Routes To School Program Coordinator
1615 W. Jackson St. EM10
Phoenix, AZ 85007

City of Surprise
Attn: Martin Lucero
16000 N. Civic Center Plaza
Surprise, Arizona 85374
(623) 222-3142
(623) 2221001
Martin.Lucero@surpriseaz.gov

For Financial Administration:

Arizona Department of Transportation
Joint Project Administration
205 S. 17th Avenue, Mail Drop 637E
Phoenix, Arizona 85007
(602) 712-7124
(602) 712-3132 Fax
JPABranch@azdot.gov

City of Surprise
Attn: Martin Lucero
16000 N. Civic Center Plaza
Surprise, Arizona 85374
(623) 222-3142
(623) 2221001
Martin.Lucero@surpriseaz.gov

17. In accordance with Arizona Revised Statutes § 11-952 (D) attached hereto and incorporated herein is the written determination of each Party's legal counsel and that the Parties are authorized under the laws of this State to enter into this Agreement and that the Agreement is in proper form.

IN WITNESS WHEREOF, the Parties have executed this Agreement the day and year first above written.

CITY OF SURPRISE

STATE OF ARIZONA

Department of Transportation

By _____
SHARON WOLCOTT
Mayor

By _____
STEVE BOSCHEN, P.E.
ITD Director

ATTEST:

By _____
SHERRY ANN AGUILAR
City Clerk

ATTORNEY APPROVAL FORM FOR THE CITY OF SURPRISE

I have reviewed the above referenced Intergovernmental Agreement between the State of Arizona, acting by and through its DEPARTMENT OF TRANSPORTATION, and the CITY OF SURPRISE, an agreement among public agencies which, has been reviewed pursuant to Arizona Revised Statutes §§ 11-951 through 11-954 and declare this Agreement to be in proper form and within the powers and authority granted to the City under the laws of the State of Arizona.

No opinion is expressed as to the authority of the State to enter into this Agreement.

DATED this _____ day of _____, 2016.

City Attorney

ADOT CAR No.: IGA/JPA 15-0005719-I
AG Contract No.: P001 2016 000xxx
Project Name: Marley Park -Rancho
Gabriella SRTS - Surprise
Project Location: Marley Park & Rancho
Gabriella Elementary Schools
Federal Project No.: SUR-0(227)T
ADOT Project No.: T0035 01X
TIP/STIP No.: SUR16-403
**CFDA No.: 20.205 - Highway Planning
and Construction**
Budget Source Item No.: N/A

INTERGOVERNMENTAL AGREEMENT

BETWEEN
THE STATE OF ARIZONA
AND
THE CITY OF SURPRISE

THIS AGREEMENT is entered into this date _____, 2016, pursuant to the Arizona Revised Statutes § 11-951 through § 11-954, as amended, between the STATE OF ARIZONA, acting by and through its DEPARTMENT OF TRANSPORTATION (the "State" or "ADOT") and the CITY OF SURPRISE, acting by and through its MAYOR and CITY COUNCIL (the "City"). The State and the City are collectively referred to as "Parties."

I. RECITALS

1. The State is empowered by Arizona Revised Statutes § 28-401 to enter into this Agreement and has delegated to the undersigned the authority to execute this Agreement on behalf of the State.
2. The City is empowered by Arizona Revised Statutes § 48-572 to enter into this Agreement and has by resolution, a copy of which is attached hereto and made a part hereof, resolved to enter into this Agreement and has authorized the undersigned to execute this Agreement on behalf of the City.
3. The Safe Routes to School Program (SRTS) was created by the U.S. Congress as part of a federal transportation bill called SAFETEA-LU. This is a non-infrastructure project in which the recipient has up to thirty-six (36) months to expend the funds, unless otherwise specified.
4. The purpose of this Agreement between the State and the City is to allow the State to acquire Federal funds for a SRTS study, hereinafter referred to as the 'Project'. The Project will identify needed improvements for the walking/biking routes, educate and promote safe walking activities, and gather and analyze current walking/biking habits of students and parents. The City as a recipient of this SRTS grant will procure services following the State procurement process or utilize an established ADOT procurement contract for the procurement of materials and/or services... The Project has been submitted to the State and Federal Highway Administration (FHWA) for their approval.

THEREFORE, in consideration of the mutual Agreements expressed herein, it is agreed as follows:

II. SCOPE OF WORK

1. The State will:

a. Upon execution of this Agreement, if the Project is approved by FHWA and funds for the Project are available, be the City's designated agent for the Project.

b. Review and approve the SRTS application submitted by the City. Verify the City demonstrates the ability to meet the SRTS requirements and provide an environmental review.

c. Submit the ADOT PMDR Review funding for federal authorization in the amount of **\$2,829.00** in MAG PIP funding. The City has already submitted the local match funding in the amount of **\$171.00** for these funds. These funds will solely be used for the activities which are included but not limited to ADOT's PMDR. In the case these funds are not exhausted at the end of the project, the Project Manager will work with the City to re-allocate the funds for use on the project for eligible SRTS expenses.

d. Once costs have been incurred and paid by the City and within thirty (30) days of receipt of an approved Progress Payment Report for eligible SRTS expenses, reimburse the City for eligible costs incurred not to exceed **\$39,606.00**. Any costs incurred prior to the date of the official SRTS Notice to Proceed will not be eligible for reimbursement. Any reimbursements shall be submitted and will be processed at the prorated percentage of 94.3% up to the total amount of federal funds programmed for the project.

2. The City will:

a. Upon execution of this Agreement, designate the State as the authorized agent for the City, if such project is approved by FHWA and project funds are available.

b. Upon receipt of the State's environmental review and the official SRTS Notice to Proceed, begin SRTS Program and activities.

c. On a monthly or quarterly basis, complete and submit a Progress Payment Report, and all documentation necessary for reimbursement of eligible costs incurred and paid not to exceed **\$39,606.00**. Any costs incurred prior to the date of the official SRTS Notice to Proceed will not be eligible for reimbursement. Any reimbursements shall be submitted and will be processed at the prorated percentage of 94.3% up to the total amount of federal funds programmed for the project.

d. Communicate regularly with the Transportation Alternatives Program (TAP) coordinator, based within ADOT's Local Public Agency (LPA) Section.

e. Twice a year, once during the fall school semester and once during the spring school semester, conduct surveys of participating classes by using the "Student Travel Tally" sheet. Obtain this form by using the "Data Central" tab and then "Data Collection Forms" from the National Center for Safe Routes to School (NCSRTS) on-line web-site at (www.saferoutesinfo.org). Complete one form for each participating class. Then, enter this data into the NCSRTS database by first creating an account at www.saferoutesdata.org and following the instructions.

f. Submit the cover/front page of the NCSRTS output as verification of surveys and the page entitled "Evaluation -- Semi-Annual Data" as documentation for reimbursements to be processed to the State's SRTS Program Coordinator.

g. On a semi-annual basis, along with the reimbursement request and data verification, submit a report, no more than one page in length, of your program's progress.

h. Use the funds in a timely manner. The State SRTS Program Coordinator has the right to discontinue reimbursements if sufficient progress has not been made.

i. Should the City fail to provide the submittal of evaluation data and the number of participating students on a regular basis, the State's SRTS Program Coordinator maintains the right to discontinue the award.

j. At Project completion, before the final reimbursement request is submitted, complete and submit the Project Close-Out Evaluation Form.

III. MISCELLANEOUS PROVISIONS

1. This Agreement shall remain in force and effect for up to thirty-six (36) months from the date of execution, including final reimbursement and submittal of final status reports. This Agreement may be cancelled at any time prior to the award of a contract, upon thirty (30) days written notice to the other Party. It is understood and agreed that, in the event the City terminates this Agreement, the City will be responsible for all costs incurred by the State up to the time of termination. It is further understood and agreed that should the City terminate this Agreement; the State shall in no way be obligated to complete the Project.

2. To the extent permitted by law, the City hereby agrees to save and hold harmless, defend and indemnify from loss the State, any of its departments, agencies, officers or employees from any and all liability, costs and/or damage incurred by any of the above arising or resulting from the Agreement; and from any other liability, damage to any person or property whatsoever, which is caused by any activity, negligence, condition, misrepresentation, directives, instruction or event arising out of the performance or non-performance of any provisions of this Agreement by (a) the State, any of its departments, agencies, officers and employees, or its independent contractors; or (b) the City, any of its agents, officers and employees, or its independent contractors. Costs incurred by the State, any of its departments, agencies, officers or employees shall include in the event of any action, court costs, and expenses of litigation and attorneys' fees.

3. The cost of work under this Agreement is to be covered by the maximum available amount of federal funds programmed for this Project. The City acknowledges that actual Project costs may exceed the maximum available amount of federal funds, or that certain costs may not be accepted by FHWA as eligible for federal funds. Therefore, the City agrees to pay the difference between actual costs of the Project and the federal funds received.

4. Should the federal funding related to this Project be terminated or reduced by the federal government, or Congress rescinds, fails to renew, or otherwise reduces apportionments or obligation authority, the State shall in no way be obligated for funding or liable for any past, current or future expenses under this Agreement.

5. The cost of the project under this Agreement includes indirect costs approved by the FHWA, as applicable.

6. The Parties warrant compliance with the Federal Funding Accountability and Transparency Act of 2006 and associated 2008 Amendments (the "Act"). Additionally, in a timely manner, the City will provide information that is requested by the State to enable the State to comply with the requirements of the Act, as may be applicable.

7. The City acknowledges compliance with federal laws and regulations and may be subject to the Office of Management and Budget (OMB), Single Audit, Circular A-133 (Audits of States, Local Governments, and Non-Profit Organizations). Entities that expend \$500,000.00 or more (prior to

12/26/14) and \$750,000.00 or more (on or after 12/26/14) of federal assistance (federal funds, federal grants, or federal awards) are required to comply by having an independent audit. Either an electronic or hardcopy of the Single Audit is to be sent to Arizona Department of Transportation Financial Management Services within the required deadline of nine (9) months of the sub recipient fiscal year end.

ADOT – FMS

Attn: Cost Accounting Administrator

206 S 17th Ave. Mail Drop 204B

Phoenix, AZ 85007

SingleAudit@azdot.gov

8. This Agreement shall become effective upon signing and dating of the Determination Letter by the State's Attorney General.

9. This Agreement may be cancelled in accordance with Arizona Revised Statutes § 38-511.

10. To the extent applicable under law, the provisions set forth in Arizona Revised Statutes § 35-214 and § 35-215 shall apply to this Agreement.

11. This Agreement is subject to all applicable provisions of the Americans with Disabilities Act (Public Law 101-336, 42 U.S.C. 12101-12213) and all applicable Federal regulations under the Act, including 28 CFR Parts 35 and 36. The parties to this Agreement shall comply with Executive Order Number 2009-09 issued by the Governor of the State of Arizona and incorporated herein by reference regarding "Non-Discrimination".

12. Non-Availability of Funds: Every obligation of the State under this Agreement is conditioned upon the availability of funds appropriated or allocated for the fulfillment of such obligations. If funds are not allocated and available for the continuance of this Agreement, this Agreement may be terminated by the State at the end of the period for which the funds are available. No liability shall accrue to the State in the event this provision is exercised, and the State shall not be obligated or liable for any future payments as a result of termination under this paragraph.

13. In the event of any controversy, which may arise out of this Agreement, the Parties hereto agree to abide by required arbitration as is set forth for public works contracts in Arizona Revised Statutes § 12-1518.

14. The Parties shall comply with the applicable requirements of Arizona Revised Statutes § 41-4401.

15. The Parties hereto shall comply with all applicable laws, rules, regulations and ordinances, as may be amended.

16. All notices or demands upon any party to this Agreement shall be in writing and shall be delivered in person or sent by mail, addressed as follows:

For Agreement Administration:

Arizona Department of Transportation
Joint Project Administration
205 S. 17th Avenue, Mail Drop 637E
Phoenix, Arizona 85007
(602) 712-7124
(602) 712-3132 Fax
JPABranch@azdot.gov

City of Surprise
Attn: Martin Lucero
16000 N. Civic Center Plaza
Surprise, Arizona 85374
(623) 222-3142
(623) 222-1001
Martin.Lucero@surpriseaz.gov

For Program Administration:

Arizona Department of Transportation
Safe Routes To School Program Coordinator
1615 W. Jackson St. EM10
Phoenix, AZ 85007

City of Surprise
Attn: Martin Lucero
16000 N. Civic Center Plaza
Surprise, Arizona 85374
(623) 222-3142
(623) 2221001
Martin.Lucero@surpriseaz.gov

For Financial Administration:

Arizona Department of Transportation
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JPABranch@azdot.gov

City of Surprise
Attn: Martin Lucero
16000 N. Civic Center Plaza
Surprise, Arizona 85374
(623) 222-3142
(623) 2221001
Martin.Lucero@surpriseaz.gov

17. In accordance with Arizona Revised Statutes § 11-952 (D) attached hereto and incorporated herein is the written determination of each Party's legal counsel that the Parties are authorized under the laws of this State to enter into this Agreement and that the Agreement is in proper form.

IN WITNESS WHEREOF, the Parties have executed this Agreement the day and year first above written.

CITY OF SURPRISE

STATE OF ARIZONA

Department of Transportation

By _____
SHARON WOLCOTT
Mayor

By _____
STEVE BOSCHEN, P.E.
ITD Director

ATTEST:

By _____
SHERRY ANN AGUILAR
City Clerk

ATTORNEY APPROVAL FORM FOR THE CITY OF SURRISE

I have reviewed the above referenced Intergovernmental Agreement between the State of Arizona, acting by and through its DEPARTMENT OF TRANSPORTATION, and the CITY SURPRISE, an agreement among public agencies which, has been reviewed pursuant to Arizona Revised Statutes §§ 11-951 through 11-954 and declare this Agreement to be in proper form and within the powers and authority granted to the City under the laws of the State of Arizona.

No opinion is expressed as to the authority of the State to enter into this Agreement.

DATED this _____ day of _____, 2016.

City Attorney

ADOT CAR No.: IGA/JPA 15-0005720-I
AG Contract No.: P001 2016 000xxx
Project: Name: Dysart Unified School
District SRTS Surprise
Project Location: Dysart Unified School
District-Citywide
Federal Project No.: T003601X
ADOT Project No.: SUR-0(228)T
TIP/STIP No.: SUR 16-404
**CFDA No.: 20.205 - Highway Planning
and Construction**
Budget Source Item No.: N/A

INTERGOVERNMENTAL AGREEMENT

BETWEEN
THE STATE OF ARIZONA
AND
THE CITY OF SURPRISE

THIS AGREEMENT is entered into this date _____, 2016, pursuant to the Arizona Revised Statutes § 11-951 through § 11-954, as amended, between the STATE OF ARIZONA, acting by and through its DEPARTMENT OF TRANSPORTATION (the "State" or "ADOT") and the CITY OF SURPRISE, acting by and through its MAYOR and CITY COUNCIL (the "City"). The State and the City are collectively referred to as "Parties."

I. RECITALS

1. The State is empowered by Arizona Revised Statutes § 28-401 to enter into this Agreement and has delegated to the undersigned the authority to execute this Agreement on behalf of the State.

2. The City is empowered by Arizona Revised Statutes § 48-572 to enter into this Agreement and has by resolution, a copy of which is attached hereto and made a part hereof, resolved to enter into this Agreement and has authorized the undersigned to execute this Agreement on behalf of the City.

3. The Safe Routes to School Program (SRTS) was created by the U.S. Congress as part of a federal transportation bill called SAFETEA-LU. This is a non-infrastructure project in which the recipient has up to thirty-six (36) months to expend the funds, unless otherwise specified.

4. The purpose of this Agreement between the State and the City is to allow the State to acquire Federal funds for the purchase of crosswalk safety equipment for Dysart Unified School District schools, hereinafter referred to as the 'Project'. The City as a recipient of this SRTS grant will procure services and/or equipment following the State's procurement process or utilizing ADOT procurement contract for the procurement of equipment and/or services. The Project has been submitted to the State and Federal Highway Administration (FHWA) for their approval.

THEREFORE, in consideration of the mutual Agreements expressed herein, it is agreed as follows:

II. SCOPE OF WORK

1. The State will:

a. Upon execution of this Agreement, if the Project is approved by FHWA and funds for the Project are available, be the City's designated agent for the Project.

b. Submit the ADOT PMDR Review funding for federal authorization in the amount of **\$2,829.00** in MAG PIP funding. The City has already submitted the local match funding in the amount of **\$171.00** for these funds. These funds will solely be used for the activities which are included but not limited to ADOT's PMDR. In the case these funds are not exhausted at the end of the project, the Project Manager will work with the City to re-allocate the funds for use on the project for eligible SRTS expenses.

c. Once costs have been incurred and paid by the City and within thirty (30) days of receipt of an approved Progress Payment Report for eligible SRTS expenses, reimburse the City for eligible costs incurred not to exceed **\$10,373.00**. Any costs incurred prior to the date of the official SRTS Notice to Proceed will not be eligible for reimbursement. Any reimbursements shall be submitted and will be processed at the prorated percentage of 94.3% up to the total amount of federal funds programmed for the project.

d. Continuously evaluate the City's program based on the regular submittal of evaluation data and the number of participating students. Should either of these not be met, the State SRTS Project Coordinator maintains the right to discontinue the award.

2. The City will:

a. Upon execution of this Agreement, designate the State as the authorized agent for the City, if such project is approved by FHWA and project funds are available.

b. Upon receipt of the State's environmental review and the official SRTS Notice to Proceed, begin SRTS Program and activities.

c. On a monthly or quarterly basis, complete and submit a Progress Payment Report, and all documentation necessary for reimbursement of eligible costs incurred and paid not to exceed **\$10,373.00**. Any costs incurred prior to the date of the official SRTS Notice to Proceed will not be eligible for reimbursement. Any reimbursements shall be submitted and will be processed at the prorated percentage of 94.3% up to the total amount of federal funds programmed for the project.

d. Communicate regularly with the Transportation Alternatives Program (TAP) coordinator, based within ADOT's Local Public Agency (LPA) Section.

e. Twice a year, once during the fall school semester and once during the spring school semester, conduct surveys of participating classes by using the "Student Travel Tally" sheet. Obtain this form by using the "Data Central" tab and then "Data Collection Forms" from the National Center for Safe Routes to School (NCSRTS) on-line web-site at (www.saferoutesinfo.org). Complete one form for each participating class. Then, enter this data into the NCSRTS database by first creating an account at www.saferoutesdata.org and following the instructions.

f. Submit the cover/front page of the NCSRTS output as verification of surveys and the page entitled "Evaluation -- Semi-Annual Data" as documentation for reimbursements to be processed to the State's SRTS Program Coordinator.

g. On a semi-annual basis, along with the reimbursement request and data verification, submit a report, no more than one page in length, of your program's progress.

h. Use the funds in a timely manner. The State SRTS Program Coordinator has the right to discontinue reimbursements if sufficient progress has not been made.

i. Should the City fail to provide the submittal of evaluation data and the number of participating students on a regular basis, the State's SRTS Program Coordinator maintains the right to discontinue the award.

j. At Project completion, before the final reimbursement request is submitted, complete and submit the Project Close-Out Evaluation Form.

III. MISCELLANEOUS PROVISIONS

1. This Agreement shall remain in force and effect for up to thirty-six (36) months from the date of execution, including final reimbursement and submittal of final status reports. This Agreement may be cancelled at any time prior to the award of a contract, upon thirty (30) days written notice to the other Party. It is understood and agreed that, in the event the City terminates this Agreement, the City will be responsible for all costs incurred by the State up to the time of termination. It is further understood and agreed that should the City terminate this Agreement; the State shall in no way be obligated to complete the Project.

2. To the extent permitted by law, the City hereby agrees to save and hold harmless, defend and indemnify from loss the State, any of its departments, agencies, officers or employees from any and all liability, costs and/or damage incurred by any of the above arising or resulting from the Agreement; and from any other liability, damage to any person or property whatsoever, which is caused by any activity, negligence, condition, misrepresentation, directives, instruction or event arising out of the performance or non-performance of any provisions of this Agreement by (a) the State, any of its departments, agencies, officers and employees, or its independent contractors; or (b) the City, any of its agents, officers and employees, or its independent contractors. Costs incurred by the State, any of its departments, agencies, officers or employees shall include in the event of any action, court costs, and expenses of litigation and attorneys' fees.

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5. The cost of the project under this Agreement includes indirect costs approved by the FHWA, as applicable.

6. The Parties warrant compliance with the Federal Funding Accountability and Transparency Act of 2006 and associated 2008 Amendments (the "Act"). Additionally, in a timely manner, the City will provide information that is requested by the State to enable the State to comply with the requirements of the Act, as may be applicable.

7. The City acknowledges compliance with federal laws and regulations and may be subject to the Office of Management and Budget (OMB), Single Audit, Circular A-133 (Audits of States, Local Governments, and Non-Profit Organizations). Entities that expend \$500,000.00 or more (prior to

12/26/14) and \$750,000.00 or more (on or after 12/26/14) of federal assistance (federal funds, federal grants, or federal awards) are required to comply by having an independent audit. Either an electronic or hardcopy of the Single Audit is to be sent to Arizona Department of Transportation Financial Management Services within the required deadline of nine (9) months of the sub recipient fiscal year end.

ADOT – FMS
Attn: Cost Accounting Administrator
206 S 17th Ave. Mail Drop 204B
Phoenix, AZ 85007
SingleAudit@azdot.gov

8. This Agreement shall become effective upon signing and dating of the Determination Letter by the State's Attorney General.

9. This Agreement may be cancelled in accordance with Arizona Revised Statutes § 38-511.

10. To the extent applicable under law, the provisions set forth in Arizona Revised Statutes § 35-214 and § 35-215 shall apply to this Agreement.

11. This Agreement is subject to all applicable provisions of the Americans with Disabilities Act (Public Law 101-336, 42 U.S.C. 12101-12213) and all applicable Federal regulations under the Act, including 28 CFR Parts 35 and 36. The parties to this Agreement shall comply with Executive Order Number 2009-09 issued by the Governor of the State of Arizona and incorporated herein by reference regarding "Non-Discrimination".

12. Non-Availability of Funds: Every obligation of the State under this Agreement is conditioned upon the availability of funds appropriated or allocated for the fulfillment of such obligations. If funds are not allocated and available for the continuance of this Agreement, this Agreement may be terminated by the State at the end of the period for which the funds are available. No liability shall accrue to the State in the event this provision is exercised, and the State shall not be obligated or liable for any future payments as a result of termination under this paragraph.

13. In the event of any controversy, which may arise out of this Agreement, the Parties hereto agree to abide by required arbitration as is set forth for public works contracts in Arizona Revised Statutes § 12-1518.

14. The Parties shall comply with the applicable requirements of Arizona Revised Statutes § 41-4401.

15. The Parties hereto shall comply with all applicable laws, rules, regulations and ordinances, as may be amended.

16. All notices or demands upon any party to this Agreement shall be in writing and shall be delivered in person or sent by mail, addressed as follows:

For Agreement Administration:

Arizona Department of Transportation
Joint Project Administration
205 S. 17th Avenue, Mail Drop 637E
Phoenix, Arizona 85007
(602) 712-7124
(602) 712-3132 Fax
JPABranch@azdot.gov

City of Surprise
Attn: Martin Lucero
16000 N. Civic Center Plaza
Surprise, Arizona 85374
(623) 222-3142
(623) 222-1001
Martin.Lucero@surpriseaz.gov

For Program Administration:

Arizona Department of Transportation
Safe Routes To School Program Coordinator
1615 W. Jackson St. EM10
Phoenix, AZ 85007

City of Surprise
Attn: Martin Lucero
16000 N. Civic Center Plaza
Surprise, Arizona 85374
(623) 222-3142
(623) 2221001
Martin.Lucero@surpriseaz.gov

For Financial Administration:

Arizona Department of Transportation
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205 S. 17th Avenue, Mail Drop 637E
Phoenix, Arizona 85007
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City of Surprise
Attn: Martin Lucero
16000 N. Civic Center Plaza
Surprise, Arizona 85374
(623) 222-3142
(623) 2221001
Martin.Lucero@surpriseaz.gov

17. In accordance with Arizona Revised Statutes § 11-952 (D) attached hereto and incorporated herein is the written determination of each Party's legal counsel that the Parties are authorized under the laws of this State to enter into this Agreement and that the Agreement is in proper form.

IN WITNESS WHEREOF, the Parties have executed this Agreement the day and year first above written.

CITY OF SURPRISE

STATE OF ARIZONA

Department of Transportation

By _____
SHARON WOLCOTT
TITLE

By _____
STEVE BOSCHEN, P.E.
ITD Director

ATTEST:

By _____
SHERRY ANN AGUILAR
City Clerk

ATTORNEY APPROVAL FORM FOR THE CITY OF SURPRISE

I have reviewed the above referenced Intergovernmental Agreement between the State of Arizona, acting by and through its DEPARTMENT OF TRANSPORTATION, and the CITY OF SURPRISE, an agreement among public agencies which, has been reviewed pursuant to Arizona Revised Statutes §§ 11-951 through 11-954 and declare this Agreement to be in proper form and within the powers and authority granted to the City under the laws of the State of Arizona.

No opinion is expressed as to the authority of the State to enter into this Agreement.

DATED this _____ day of _____, 2016.

City Attorney

Safe Routes to School Awards

City Council Session
April 5, 2016



Transportation Alternative Non-Infrastructure Grant



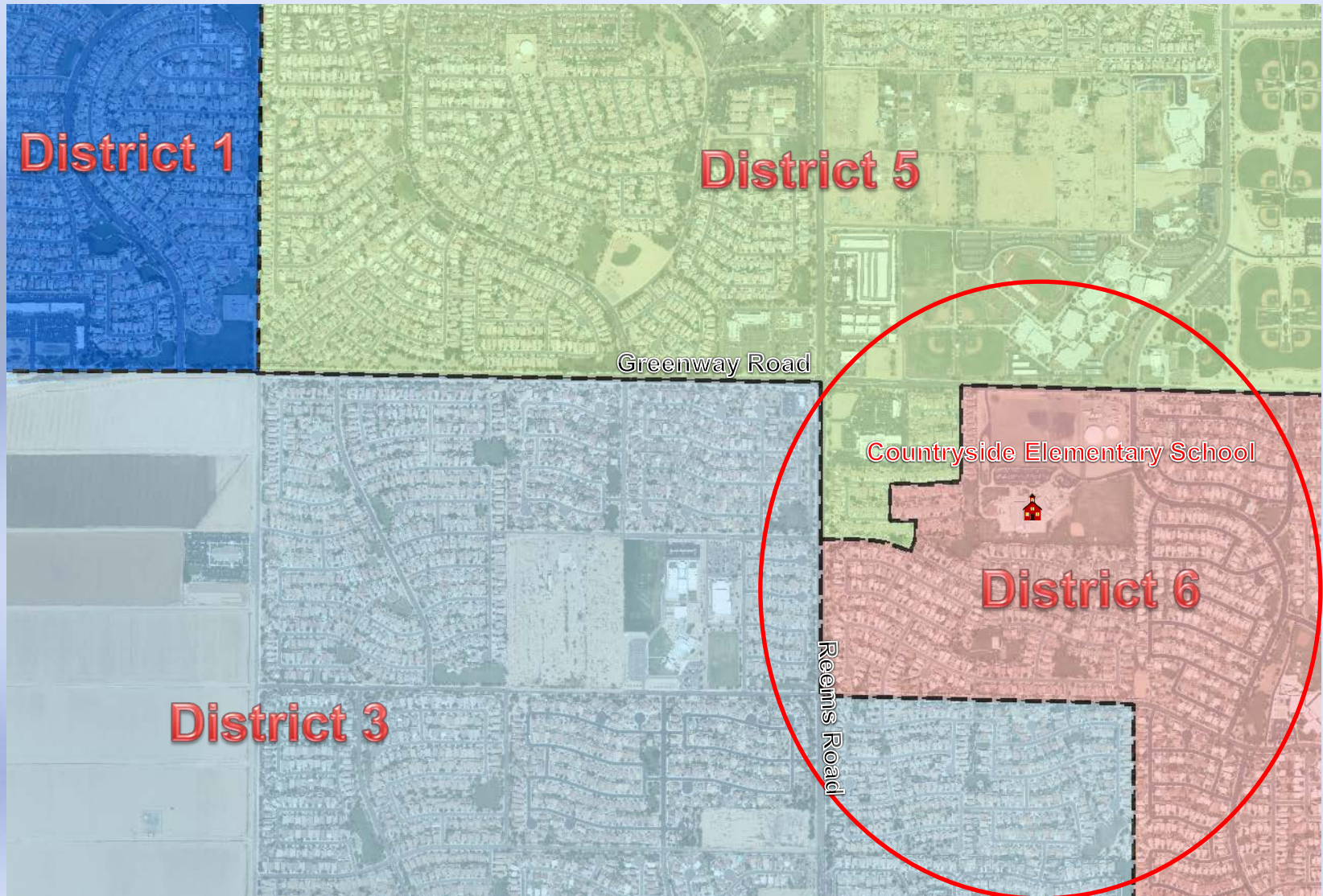
Project Details



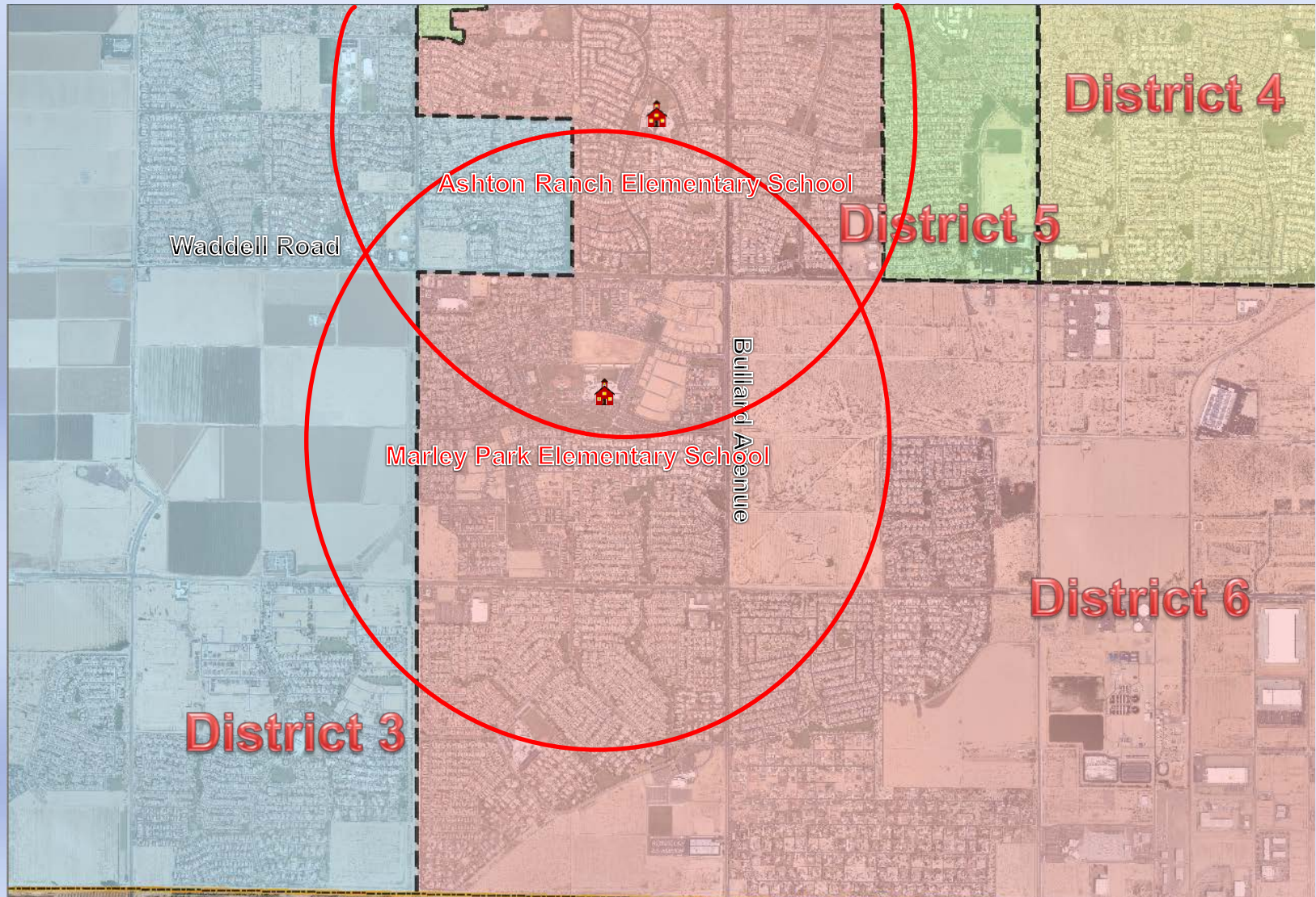
Transportation Alternative Non-Infrastructure Grant Award

Fiscal Year	Project Name	Total Amount	Federal Match	Local Match
FY 17	SRTS Studies for Parkview, Countryside and Aston Ranch	\$62,000.00	\$58,466.00	\$3,534.00
FY 17	SRTS Studies for Marley Park and Rancho Gabriela Schools	\$42,000.00	\$39,606.00	\$2,394.00
FY 17	Crosswalk Safety Equipment for Dysart Schools	\$11,000.00	\$10,373.00	\$627.00
FY 17	SRTS Walking/Biking Maps for Dysart Schools	\$100,000.00	\$94,300.00	\$5,700.00
	TOTAL	\$215,000.00	\$202,745.00	\$12,255.00

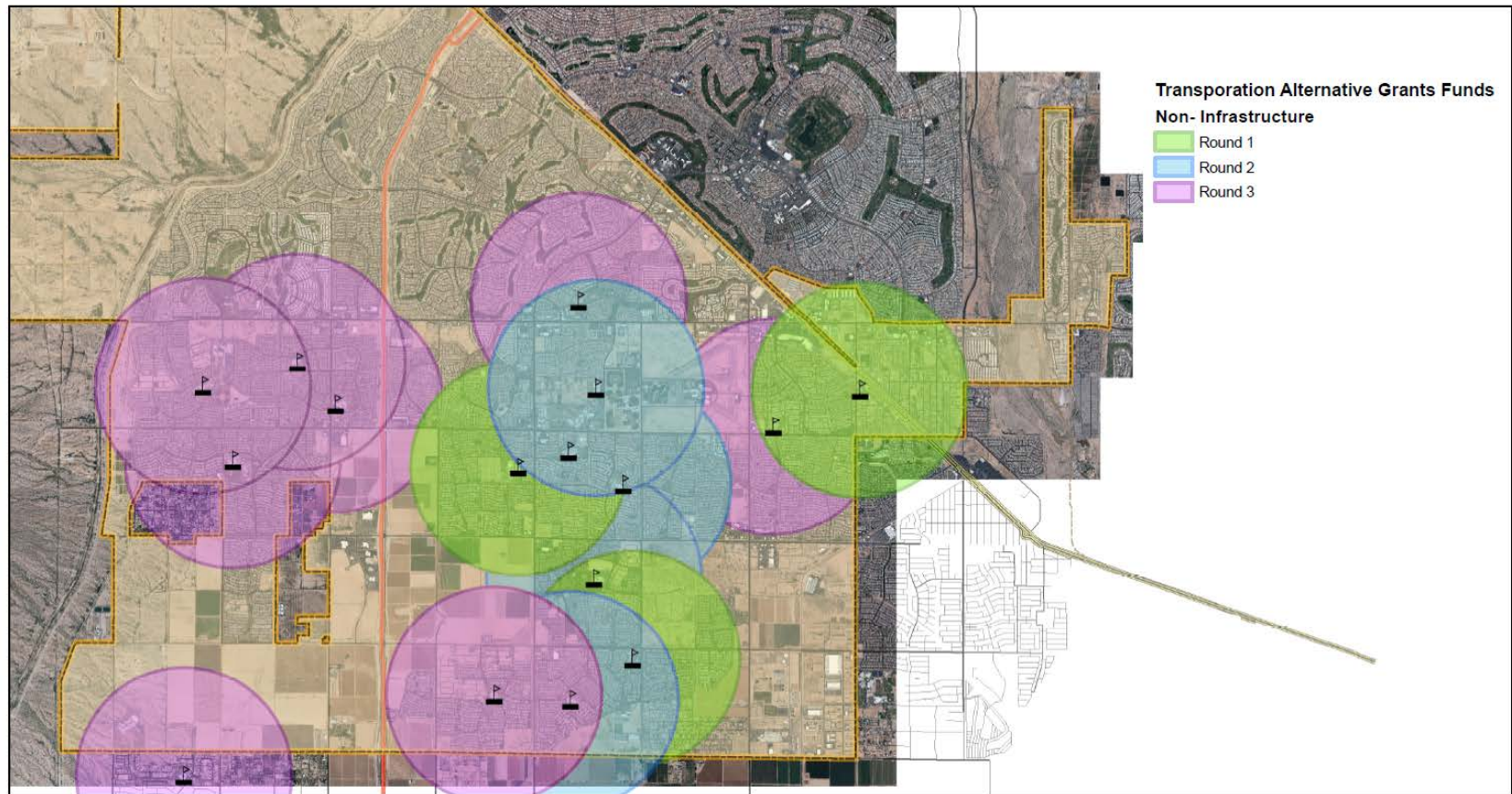
Study Locations – Vicinity Map



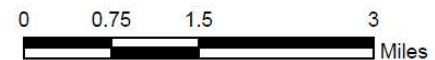
Study Locations – Vicinity Map



Overview



Safe Routes to School Grants



Total Amount	Federal Match	Local Match
\$358,500.00	\$340,226.50	\$18,273.50

Questions or Comments?





CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

[Back](#) [Print](#)

Council Meeting Date:	April 5, 2016	Contact Person:	Eric Fitzer, Community Development
Submitting Department:	CD	District:	Citywide
Staff Recommendations:	None		

Consent	Regular	Public Hearing	Report/Discussion
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Agenda Wording:

Consideration and action pertaining to the adoption of a City Wide Temporary Sign Policy; Resolution #2016-43.

Motion:

I move to approve Resolution #2016-43.

Background:

In order to assist businesses while the City updates the City Sign Code City staff has developed the City Wide Temporary Sign Policy. The policy is based upon Resolution 09-151 enacted in 2009 and then extended in 2012 for one year. The original resolution was approved by Council to help out businesses during the great recession.

The new Temporary Sign proposal includes some of the signage as allowed in the previous Temporary Sign policy but excludes A-Frames and also removes the requirement for the Temporary Use Permit to utilize a sign walker.

Objective Analysis:

Positive impacts are that the policy would allow businesses to have additional signage to entice customers to their businesses and allow businesses. The negative impacts could include sign clutter.

Policy Compliant:

The Policy is compliant with City and Council policy of promoting businesses within the City of Surprise.

Financial Impact:

All activity related to ongoing development of the City of Surprise has an economic and fiscal impact on

the city and the region.

Budget Impact:

There is no anticipated budget impact related to this item.

FTE Impact:

This item does not have an impact on current staff levels.

ATTACHMENTS:

Click to download

- ☐ [Citywide Temporary Sign Policy - Staff Report](#)
 - ☐ [Presentation](#)
 - ☐ [Resolution- City wide Signage Policy](#)
-

REPORT TO THE CITY COUNCIL

1 **Case:** N/A
2
3 **Project Name:** Resolution 2016-43 City Wide Temporary Sign Policy
4
5 **Council District:** City wide
6
7 **Meeting Date:** April 5, 2016
8
9 **Planner:** Eric Fitzer, Community Development Director
10

11
12 **Summary:**
13

14 In order to assist businesses while the City updates the City Sign Code City staff has developed
15 the City Wide Temporary Sign Policy. The policy is based upon Resolution 09-151 enacted in
16 2009 and then extended in 2012 for one year. The original resolution was approved by Council
17 to help out businesses during the great recession and allowed the following:
18

- 19 • A-Frames
20 ○ 1 per business; cannot be located on a street, sidewalk or within visibility triangle
21 • Banners
22 ○ 1 per business; must be placed on building
23 • Sign Walkers
24 ○ Requires a no fee Temporary Use Permit from the City and must meet insurance
25 criteria
26

27 The resolution temporarily waved the enforcement of City Code Section 113-47, relative to the
28 requirements of the policy as states above, which is as follows:
29

30 ***Penalties for violations.***
31

32 *Any person who violates any provision of this article or any provision of any code*
33 *adopted by this article shall be guilty of a civil or criminal violation.*
34

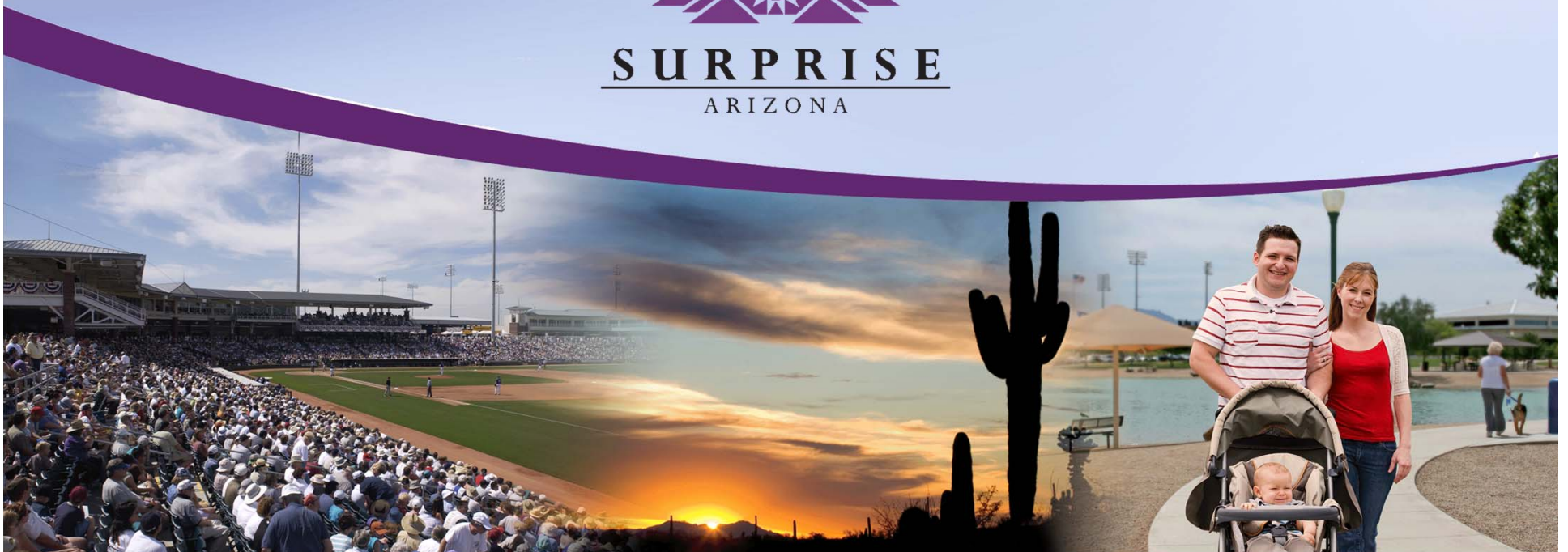
35 The new Temporary Sign proposal includes the above referenced signage accept that it
36 excludes A-Frames and removes the requirement for the Temporary Use Permit to utilize a sign
37 walker.
38

39 The waving of the enforcement requirements for the City Wide Temporary Sign Policy would
40 commence on April 5th, 2016 and shall continue in effect until the adoption of the update to the
41 City Sign Code and the Council repeals the resolution.
42

43 **Attached:**
44
45 01 Resolution 2016-43
46 02 City Wide Temporary Sign Policy

City Wide Temporary Sign Policy

April 5, 2016



Temporary Signage



History

- Enacted by Council in 2009
- Extended in 2013

Policy Allowed

- A-Frames
 - 1 per business; cannot be located on a street, sidewalk or within visibility triangle
- Banners
 - 1 per business; must be placed on building
- Sign Walkers
 - Requires a no fee permit from the City and must meet insurance criteria

City Wide Temporary Sign Policy



Subject Area

- Incorporated limits of the City of Surprise

Proposed Policy Allows

- ~~A-Frames NO LONGER ALLOWED~~
 - ~~1 per business; cannot be located on a street, side walk or within visibility triangle~~
- Banners
 - 1 per business; must be placed on building
- Sign Walkers
 - Does not require a permit from the City

Questions & Comments

RESOLUTION # 2016-43

**A RESOLUTION OF THE MAYOR AND COUNCIL OF THE
CITY OF SURPRISE, ARIZONA, ADOPTING THE CITY
WIDE TEMPORARY SIGNAGE POLICY.**

WHEREAS, the Mayor and City Council directed staff to prepare a city wide temporary sign policy;

WHEREAS, it is beneficial to the City to implement the city wide temporary signage policy that is better aligned to serve the needs and desires of business and citizens within the City of Surprise;

WHEREAS, the City would temporarily cease enforcement of provisions of Surprise City Code, Chapter 113, Signs, which directly conflict with the Temporary Signage Policy as defined in Exhibit A;

WHEREAS, this cessation of enforcement and penalties under Section 113-47 will commence immediately upon adoption and expire when the City adopts a new sign code; and

WHEREAS, pursuant to Surprise Municipal Code Sec. 2-64, the Mayor and Council may designate alternative effective dates for certain legislation.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the City of Surprise, Arizona, as follows:

Section 1. The policy attached hereto as Exhibit A shall be known as "The Surprise City Wide Temporary Signage Policy".

Section 2. The Surprise City Wide Temporary Signage Policy is approved and adopted.

Section 3. This Resolution is effective immediately upon approval.

Section 4. City staff is directed to cease enforcement of Code provisions which are in conflict with The Surprise City Wide Temporary Signage Policy.

Section 5. That this Resolution shall continue in effect until further legislative act of Council repealing same.

APPROVED AND ADOPTED this ____ day of _____, 2016.

Sharon R. Wolcott, Mayor

Attest:

Approved as to form:

Sherry Aguilar, City Clerk

Robert Wingo, City Attorney

EXHIBIT A

Temporary Signage Policy – City Wide

April 5, 2016 until such time the City of Surprise adopts an updated sign code

The Surprise Mayor and Council have adopted by resolution that will allow businesses to promote their business with additional temporary signage.

Beginning April 5th, 2016 businesses shall be allowed to display a banner-style sign, and/or employ a sign walker along the adjacent roadway or roadway closest to their business subject to certain requirements set forth below.

Business will be allowed to display **one of each** of the following temporary signs in accordance with the standards listed in this brochure:

- Banner
- Sign Walker

Any sign displayed in a manner other than described in the code or this temporary policy shall be subject to the City of Surprise Sign Code.

No fees will be required for temporary signs allowed by this policy.

Banner

- Can only be placed on building.
- Banner must be attached properly to the building at each corner of the banner.
- Maximum size is 1 square foot per linear foot of lease front; not to exceed 500 square feet. (e.g. a store with 20 feet of lease front will be allowed a 20 square-foot banner-a 5' x 4' sign).
- Sign copy must be legible.
- Sign must be maintained in good order and repair.
- Sign may not display outdated information.
- Banner may not exceed 80% of lease frontage or building frontage of a single tenant building.

Sign Walker

- Sign walker is not allowed within 30 feet of any street or driveway inter-section.
- Sign walker is not allowed on the street, nor may they prohibit the safe passage of anyone using a public or private sidewalk.
- Sign walker is allowed in any zoning.



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

Back Print

Council Meeting Date:	April 5, 2016	Contact Person:	Jeanine Jerkovic
Submitting Department:	Econ Development	District:	Citywide
Staff Recommendations:	None		

Consent	Regular	Public Hearing	Report/Discussion
---------	---------	----------------	-------------------

Agenda Wording:

Consideration and action pertaining to changing the May 3, 2016 Regular Council Meeting to May 4, 2016.

Motion:

I motion to amend the date of the May 3, 2016 Regular Council Meeting to May 4, 2016.

Background:

In the interest of a significant economic development project, it is requested that Council kindly consider the movement of the regular meeting date to a day later.

Objective Analysis:

The Regular Meeting will be re-posted in accordance with Arizona Revised Statutes and Surprise City Code.

Policy Compliant:

The amendment is consistent with Surprise City Policy.

Financial Impact:

The amendment has no fiscal impact.

Budget Impact:

The amendment has no budget impact.

FTE Impact:

The amendment has no FTE impact.

ATTACHMENTS:

[Click to download](#)

No Attachments Available



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

Back Print

Council Meeting Date:	April 5, 2016	Contact Person:	Robert Wingo, City Attorney
Submitting Department:		District:	Internal
Staff Recommendations:	None		

Consent	Regular	Public Hearing	Report/Discussion
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Agenda Wording:

“Discussion and action pertaining to acceptance of a Dedication of Drainage Easement north of Greenway Road between Bullard Avenue and Litchfield Road; Resolution # 2016-58.”

Motion:

I move to approve Resolution No. 2016-58.

Background:

Objective Analysis:

Policy Compliant:

Financial Impact:

Budget Impact:

FTE Impact:

ATTACHMENTS:

Click to download

☐ [Resolution No. 2016-58](#)

RESOLUTION # 2016-58

A RESOLUTION OF THE MAYOR AND COUNCIL OF THE CITY OF SURPRISE, ARIZONA, ACCEPTING THE DEDICATION OF A DRAINAGE EASEMENT NORTH OF GREENWAY ROAD BETWEEN BULLARD AVENUE AND LITCHFIELD ROAD; AUTHORIZING THE CITY MANAGER TO EXECUTE ALL NECESSARY DOCUMENTS FOR ACCEPTANCE.

WHEREAS, the City of Surprise desires to construct improvements to Greenway Road between Bullard Avenue and Litchfield Road, which includes drainage improvements on the north side of Greenway Road;

WHEREAS, the land north of the Greenway Road right-of-way is owned by Surprise Center Development Corporation, L.L.C. ("SCDC");

WHEREAS, SCDC has agreed to dedicate a 60 foot easement for the City's drainage improvement; and

WHEREAS, Surprise Municipal Code Section 122-118(a)(3)(a) provides that any dedication will be accepted by resolution of City Council.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Surprise, Arizona, as follows:

Section 1. The City of Surprise accepts the Dedication of Drainage Easement, which is incorporated by this reference, and attached hereto as Exhibit A.

Section 2. The City Manager is authorized to execute any and all documents necessary for the acceptance.

APPROVED AND ADOPTED this ____ day of _____, 2016.

Sharon R. Wolcott, Mayor

ATTEST:

APPROVED AS TO FORM:

Sherry A. Aguilar, City Clerk

Robert Wingo, City Attorney

Exhibit A

Dedication of Drainage Easement

When Recorded Mail To:

City Clerk
City of Surprise
16000 N. Civic Center Plaza
Surprise, AZ 85374

DEDICATION OF DRAINAGE EASEMENT

GRANTOR: Surprise Center Development Company L.L.C.

GRANTEE: City of Surprise, an Arizona municipal corporation (the "City")

Grantor, for and in consideration of the sum of \$1.00 and other valuable consideration, receipt of which is hereby acknowledged, does hereby dedicate to the City A PERPETUAL NON-EXCLUSIVE EASEMENT (the "Easement") upon, over, under and across the parcel of land (the "Property") described on the legal description and the sketch attached hereto as Exhibits "A" and "B". The purpose of the easement is for drainage and flood control and all related purposes, including without limitation, construction, maintenance, operation, replacement, and repair of levees, dikes, dams, stormwater storage basins, storm drains, channels, improvements, washes, watercourses and other drainage or flood control facilities (collectively, "Drainage Facilities"), subject to the following:

1. Grantor shall not construct, obstruct or alter any Drainage Facilities on the Property that interfere with Grantee's use of the Property without Grantee's prior written consent. Grantor shall indemnify, defend and hold Grantee harmless against Grantor's failure to perform under this document.
2. Drainage Facilities on the Property may not be obvious. Lack of awareness of drainage facilities does not excuse failure to perform the requirements of this document.
3. Grantee shall be strictly liable for all damages and losses caused by or arising out of the use, construction, maintenance, repair, replacement or operation of the purposes permitted of Grantee by this Easement that may be asserted against Grantor (other than to the extent any such claims arise from the conduct of Grantor, Grantor's directors, Grantor's officers, Grantor's agents, contractors, employees, invitees, guests, and permittees). Grantee agrees to defend, indemnify and hold harmless Grantor from and against any and all claims, demands and causes of action for injury, including death, or damage to persons or property or fines or penalties or environmental matters arising out of, incidental to or resulting from the operations of or for Grantee or Grantee's servants, agents, employees, guest, licensees, invitees or independent contractors, and from and against all costs and expenses incurred by Grantor by reason of any such claim or claims, including attorneys' fees; and each assignee of this Easement, or any interest therein, agrees to indemnify and hold harmless Grantor in the same manner provided above. This indemnity shall apply to any claim, however caused, or regardless of the legal grounds and basis. The provisions of this paragraph shall survive the termination or abandonment of this Easement.
4. Grantor shall be strictly liable for all damages and losses caused by or arising out of Grantor's use, construction, maintenance, repair, replacement or operation on the Property that may be

asserted against Grantee (other than to the extent any such claims arise from the conduct of Grantee, Grantee's directors or public officials, Grantee's agents, contractors, employees, invitees, guests, and permittees). Grantor agrees to defend, indemnify and hold harmless Grantee from and against any and all claims, demands and causes of action for injury, including death, or damage to persons or property or fines or penalties or environmental matters arising out of, incidental to or resulting from use of the Property by Grantor or Grantor's servants, agents, employees, guest, licensees, invitees or independent contractors, and from and against all costs and expenses incurred by Grantee by reason of any such claim or claims, including attorneys' fees; each successor owner of the Property, or any interest therein, agrees to indemnify and hold harmless Grantee in the same manner provided above. This indemnity shall apply to any claim, however caused, or regardless of the legal grounds and basis. The provisions of this paragraph shall survive the termination or abandonment of this Easement.

Grantee's total costs attributable to the entirety of the work to be performed in constructing the Drainage Facilities and related Greenway Road Improvements (currently anticipated to be approximately \$2.7 Million) may not be assessed or imposed as a lien or charge whatsoever in any amount and for any purpose against any property owned by Grantor, its successors and assigns.

Grantor warrants and covenants to Grantee and its successors and assigns that Grantor is lawfully seized and possessed of the Property; that Grantor has a good and lawful right to make the conveyance described herein.

The person executing this document on behalf of a corporation, trust or other organization warrants his or her authority to do so and that all persons necessary to bind Grantor have joined in this document. This document runs with the land in favor of Grantee's successors and assigns.

DATED: _____, 2016

GRANTEE, CITY OF SURPRISE

By: Bob Wingenroth, City Manager

GRANTOR,



SURPRISE CENTER DEVELOPMENT COMPANY, L.L.C.,
an Arizona limited liability company

By: AIRFIELD CAPITAL PARTNERS L.L.C.,
an Arizona limited liability company
Its: Managing Member

By: Airfield Management Associates L.L.C., an
Arizona limited liability company
Its: Managing Member

By: TRW Partners LLC,
an Arizona limited liability company
Its: Member

By: West Management Limited Partnership, an
Arizona limited partnership
Its: Managing Member

By: The Richard West Co., an
Arizona corporation
Its: General Manager
By: [Signature]
Richard B. West, III, President

Dated: 04/01/16

STATE OF ARIZONA)
) SS.
County of Maricopa)

The foregoing instrument was acknowledged before me this ____ day of _____, 2016,
by Bob Wingenroth, Manager of the City of Surprise, a(n) Arizona Municipal corporation, on behalf of
the corporation.

My commission expires:

Notary Public:

(notary seal)

Signature of Notary

STATE OF ARIZONA)
) SS.
County of Maricopa)

The foregoing instrument was acknowledged before me this 1 day of April, 2016,
by Richard B. West, III, President of The Richard West Company, a(n) Arizona corporation, on behalf of
the corporation.

My commission expires:

Notary Public:

Feb. 7, 2020
(notary seal)

[Signature]
Signature of Notary



EXHIBIT "A"

DESCRIPTION DRAINAGE

EASEMENTS

Those portions of the south half of Section 4, Township 3 North Range 1 West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona described as follows:

PARCEL #1

COMMENCING at the southwest corner of said Section 4 from which the south quarter corner lies South 89°45'04" East 2636.14 feet;

Thence along the south line of the southwest quarter of said Section 4 South 89°45'04" East 55.00 feet;

Thence departing said south line North 00°24'28" West 55.00 feet to the intersection of the north Right of Way line of Greenway Road and the east Right of Way line of Bullard Road and the POINT OF BEGINNING;

Thence along said east Right of Way line of Bullard Road North 00°24'28" West 60.00 feet;

Thence departing said east Right of Way line parallel with and 60.00 feet north, measured at right angles, of the north Right of Way line of Greenway Road South 89°45'04" East 2526.19 feet to the west Right of Way line of Surprise Center Parkway;

Thence along said west Right of Way line South 00°22'34" East 27.00 feet;

Thence continuing along said west Right of Way line South 44°56'11" West 46.42 feet to the said north Right of Way line of Greenway Road;

Thence along said north Right of Way line North 89°45'04" West 2493.16 feet to the POINT OF BEGINNING.

Containing 151,026 square feet or 3.4671 acres, more or less.

(description continued on page 2 of 2)



EXPIRES 09-30-2017

DESCRIPTION (continued from page 1 of 2)

TOGETHER WITH

PARCEL#2

COMMENCING at the southeast corner of said Section 4 from which the south quarter corner of said Section 4 lies North 89°45'03" West 2637.55 feet;

Thence along the south line of the southeast quarter of said Section 4 North 89°45'03" West 55.00 feet;

Thence North 00°21'48" West 55.00 feet to the intersection of the north Right of Way line of Greenway Road and the west Right of Way line of Litchfield Road and the POINT OF BEGINNING;

Thence along said north Right of Way line of Greenway Road North 89°45'03" West 2494.56 feet to a point on the east Right of Way line of Surprise Center Parkway;

Thence along said east Right of Way line North 45°03'49" West 46.93 feet;

Thence continuing along said east Right of Way line North 00°22'34" West 27.00 feet;

Thence departing said east Right of Way line parallel with and 60.00 feet north of said north Right of Way line of Greenway Road South 89°45'03" East 2527.57 feet to a point on said west Right of Way line of Litchfield Road.

Thence along said west Right of Way line South 00°21'48" East 60.00 feet to the POINT OF BEGINNING.

Containing 151,109 square feet or 3.4690 acres, more or less

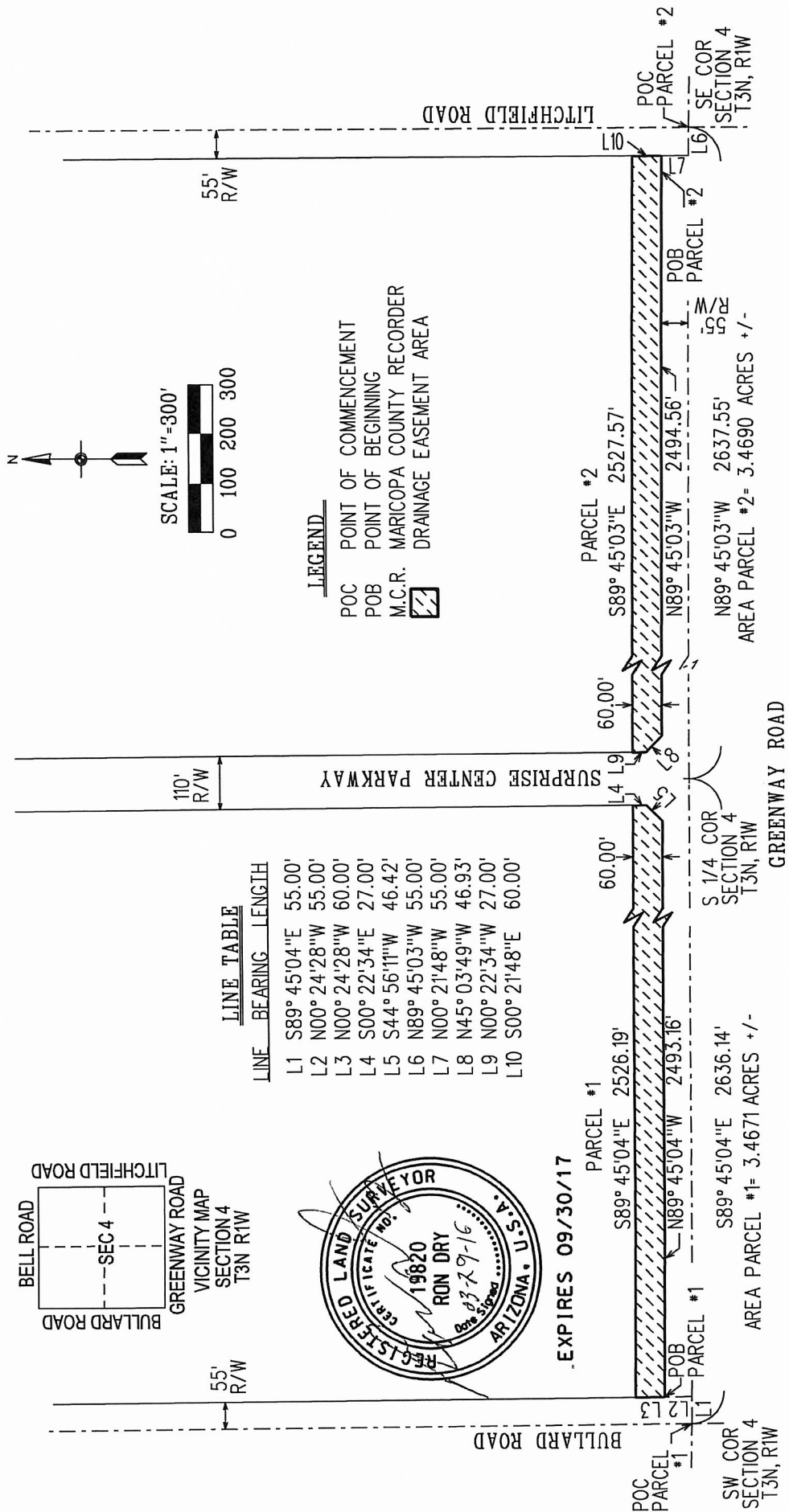
Attached is Exhibit "B" and by this reference is made a part hereof.

End of description



EXPIRES 09-30-2017

EXHIBIT "B"



CITY OF SURPRISE
LAND SURVEY DEPARTMENT
16000 N. CIVIC CENTER PLAZA
SURPRISE AZ. 85374

BASIS OF BEARINGS

Maricopa County Low Distortion Projection
Linear unit: International foot
Geodetic Datum: NAD 1983
Projection type: Lambert Conformal Conic (single parallel)
Latitude of origin: 33°15'00"N
Central meridian: 112°15'00"W
False northing: 1,500,000.000 ift
False easting: 2,500,000.000 ift
Standard parallel scale: 1.000045 (exact)

DRAINAGE EASEMENTS

PROJECT # 15029

DRAWN BY RCD

DATE 03-29-16

SHEET 1 OF 1



CITY OF SURPRISE
Regular City Council Meeting

April 5, 2016 @ 6:00:00 PM

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Council Meeting Date:	April 5, 2016	Contact Person:	Robert Wingo, City Attorney
Submitting Department:		District:	Internal
Staff Recommendations:	None		

Consent	Regular	Public Hearing	Report/Discussion
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Agenda Wording:

Discussion and action to enter executive session for discussion or consultation with the City Attorney to consider its position regarding contracts that are the subject of negotiations, in pending litigation and settlement discussions pertaining to litigation in City of Surprise v. Surprise Center Development Company pursuant to Arizona Revised Statutes 38-431.03 (A)(4).

Motion:

Background:

Objective Analysis:

Policy Compliant:

Financial Impact:

Budget Impact:

FTE Impact:

ATTACHMENTS:

[Click to download](#)

No Attachments Available