

# WATER COMPANY MEETING AGENDA SEPTEMBER 3, 2022

## **President, Bryan Staley**

Begin meeting and go over key points that will be discussed. Recognize ALL Board members

- 1) Finances, CPA and Billing Changes** **Treasurer, Derek Olsen**
  - Passing of Terry Lystra, October 2021
  - Yearly finances and current state of accounts
  - Billing services turned over to Treasurer, November 2021
  - Application for rate increase, future 2024
  
- 2) Pump House Improvements** **Water Operator, Ken Nagy**
  - Plumbing Rebuild
  - Automation with 4G remote secure access
  - Added 3rd Tank
  - Thanks to Ron Clark with BC Automation
  
- 3) ADWR and SRP** **Bryan Staley**
  - Zoom meeting and findings from ADWR
  - Letter to ADWR from BCWC
  
- 4) Water Conditions & Conservation** **Doug Crowl & Bryan Staley**
  - Current Water testing findings
  - Rain Harvesting (see handout)
  
- 5) Thank you to ALL Water Operators** **Bryan Staley**
  - Ken Nagy                      John Goulett
  - Doyle Warner                Bill Artwohl
  - Karl Kohloff                 Steve Rose

**WATER COMPANY MEETING AGENDA SEPTEMBER 3, 2022 continued**

**6) WIFA Infrastructure Project**

**Bryan Staley**

Discuss scope of project from 2020 ACC Docket

**Unit 1 and Unit 2 talking points**

**Ken Nagy**

Introduce Contractors:

Hired Engineer: Allan Converse, Team Converse

Contractors: Brandon & Kyle, Central AZ Pump

Contractors: John Knox, SJ Anderson Co.

Contractors: Rene Bernal, RDI

Zoom meetings with WIFA & ACC

Project cost, financing & forgiveness (see handout)

September 13, 2022 meeting with RWIC

Future projects; rebuild Intake, backup generator

**7) Firewising**

**Lorna Glaunsinger**

Quote received to down 3 large trees at pump house

Handouts

Meeting adjourned.

LUNCH

## **LETTER SENT TO ADWR FOR ACRE FEET CONSIDERATION**

**May 2, 2022**

**Arizona Department of Water Resources**

Attn: Mr. David Keadle, Water Resource Specialist

Surface Water Permitting Unit, Water Planning & Permitting Division

**RE: Application to Partially Sever and Transfer Certificate of Water Right No. 3696.002  
(Application No. A-3906.003)**

Dear Mr. Keadle:

Bonita Creek Water Company (BCWC) has been in the process of considering the Arizona Department of Water Resources (ADWR) proposal for evaluating a range of water demand for Northern Gila County communities since our meeting with your team on February 28, 2022. We have also been evaluating how any change in our requested quantity for Cragin water could impact our community. After careful consideration, BCWC has decided to amend our severance and transfer (S&T) application to **reduce the requested quantity of water from 15 AF/year to 13.73 AF/year based on the higher end projected range of demand at buildout formula that was presented by ADWR: 50 GPCD x (2.4 persons per household x .69 occupancy rate x 148 service connections) x 365 days = 4,472,856 gallons = 13.73 AF/year.**

Bryan Staley and Rodney Held, Salt River Project

### **BONITA CREEK HOUSEHOLD CURRENT WATER USE**

Bonita Creek, in 2015, entered into a transfer and sever agreement with Salt River Project to guarantee us an annual allotment of water. That allotment was 15 Acre Feet.

ADWR revised that amount back in June of 2022. Their calculations, as noted above, based our annual needs at 13.73 Acre Feet with a maximum of 16 Acre Feet.

The Bonita Creek Water Company's current water use for the last 3 years has averaged roughly 3.2 Acre Feet. This includes the recent household additions to our community over this same time span. 1 Acre foot is equivalent to 325,851 gallons of water. Our annual average usage has been a total of 1,042,723 gallons of water or 3.19 Acre Feet.

Even with ADWRs reduced total annual acre footage of 13.73, that gives us an annual allotment of over 4,472,856 gallons. Currently we are only using approximately 23% of our total allotment.

Keep in mind, SRP will eventually, in 3-5 years we're being told, mandate that our creek straws and active wells be added to our current metered total. Even when that happens, and we were to double what we are currently using, we would still only be using 46% of our annual allotment of water. Our community is currently at 50% build out, thus at 100% build out, we would be using 92% of our allotted 13.73 Acre Feet.

## PUMP HOUSE IMPROVEMENTS

The pump house went through some major improvements over this past year. The board would like to thank Betty Mcrae for her generous donations to make this happen. Our pump house is now fully automated and can be monitored from anywhere. This is truly a state of the art upgrade.

This automation allows us to monitor the system daily and stay ahead of any major issues. Should the system detect an issue, it will shut itself down and immediately alert our water operator via cell phone to make the proper repairs.

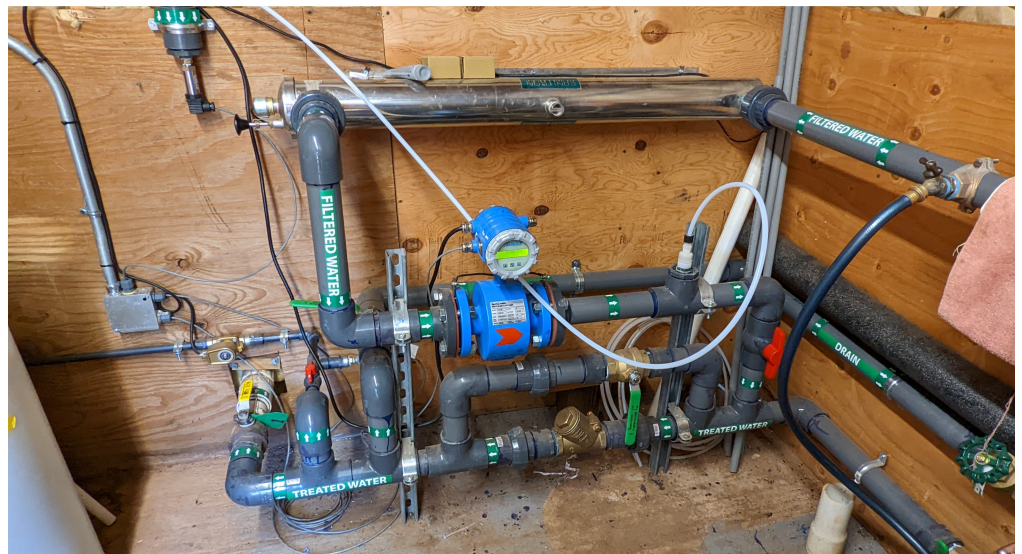
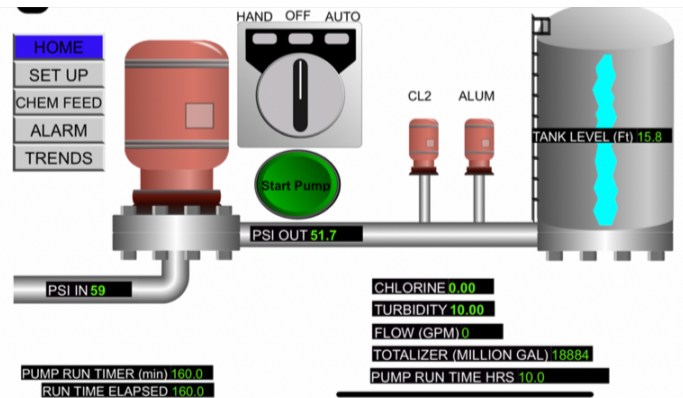
Our water operator still needs to visit the pump house weekly for chemical, back washing and filter replacement but this system is now more easily transferred to new future water operators moving forward.

Lastly, we also had an additional 10,000 gallon water tank installed bringing our total on hand water to 30,000 gallons. The tanks have also been freshly painted. Our water is delivered from all tanks as they are rotated throughout the week to make sure the water is delivered timely.

For more information on our system, delivery, sign up and all things Bonita Creek Water, please visit:

[www.bonitacreekwatercompany.org](http://www.bonitacreekwatercompany.org)

## BONITA CREEK PUMP HOUSE AUTOMATION PHOTOS





# RAIN HARVESTING (as an additional water alternative)

## Working Toward Conserving

When at all possible, please don't use drinking water to water your yard. The amount of cost, man power and facility maintenance it takes to make one gallon of drinking water is overwhelming. We have created this page in hopes to help educate our residents and alleviate some of the stresses of the Bonita Creek Water system.

By capturing as much rainfall as possible from buildings and structures, we can use that water to irrigate landscaping during dry times and prevent erosion during times of high precipitation. By using rainwater for washing laundry, flushing toilets and pressure washing houses and vehicles, we can further contribute to water conservation by limiting the use of drinking water and reducing the energy used to deliver that water from the municipal supply. The combination of these effects can greatly contribute to the conservation of our most precious natural resource - water.

## Where Do I Start?

Before you set up a water catchment system, think about these questions;

- ~What will the water be used for?
- ~Will I want the option to expand the system?
- ~How much rain can be collected?
- ~Where will the tank overflow go?
- ~Where can the containers be located?
- ~Above or below ground?
- ~Can the containers serve several purposes where they are located such as shading a garden, providing a windbreak or as the edge of a structure?
- ~Do I need to hide the containers for aesthetic purposes or neighborhood restrictions?
- ~How will the water get from the roof to the container and to the end use area?
- ~Will the system be gravity fed, or will it need a pump?



## **FAQs** **Frequently Asked Questions**

Complete entry level systems run about \$1,500 - \$2,500  
(Materials Only)

Average roof area is approximately 1000 SF

1" of rain on this size roof will produce 600+g of water

Payson averages 22" of rain a year  
thats 13,500+g annually  
or 1,100+g/month or 36g/day.  
(not including snow)

All rain harvesting information and questions can be found on our Bonita Creek Water website:

<https://bonitacreekwatercompany.org/rain-harvesting>

The Pine-Strawberry Water Improvement District has declared a water crisis and will no longer issue water permits for new construction.

The move effectively restores the growth-strangling building moratorium that prompted the water district to buy out the private water company a decade ago, district officials said at a community meeting on Thursday.

The district has repeatedly raised rates, spent \$8 million on upgrades and has another \$24 million in projects planned. **However, the system still loses a third of its water to leaks**, runs dry in periods of peak use and spends 80% of its operating budget scrambling from leak to leak, said General Manager David Dickinson. The district's March manager's report put the water loss at 47% for February.

The district owns 38 wells, but only 14 actually function. Most of the shallow wells have run dry — and the water table is dropping. Only two of the eight deep wells still produce water, in most cases due to problems posed by the high sand content of the water trapped 1,500 to 2,000 feet beneath the surface.

The Thursday meeting at the Church of Latter-day Saints in Pine drew perhaps 100 disgruntled residents, with another 60 or so listening online. The meeting included state, county and federal officials — to whom the district directed an urgent plea for grant funding.

The district needs \$134 million to drill four or five new, deep wells, replace 61 miles of failing, 50+ year old, improvised, undersized pipelines and build storage facilities and booster pump stations, said Dickinson.

That works out to nearly \$40,000 for each of the district's 3,200 hookups or roughly \$200 per month over a 30 year term at a current rate of 5%.

# **BCWC WATER LINE PROJECT**

## **SCOPE OF WORK**

COMPLETE COMMUNITY REBUILD OF ALL EXISTING WATER LINES, VALVES AND EXISTING PATRON METERED CONNECTIONS

## **AGENCIES TO HELP FUND BCWC LINE PROJECT**

WIFA (Water Infrastructure Finance Authority of Arizona)  
Scott Connelly, Finance Coordinator

### POTENTIAL ADDITIONAL FUNDS

RWIC (Rural Water Infrastructure Committee) Oversees all funding agencies  
EPA (Environmental Protection Agency)  
WINN (Water Infrastructure Improvements for the Nation Act)  
AND MANY OTHERS

## **FUNDING & FORGIVABLE CONSIDERATION TIMELINE**

**TO DATE:** WIFA has indicated our project would currently be approved for a forgivable loan amount of approximately 40%.

**9/13/22:** BCWC Board and Engineer present via Zoom to RWIC for additional forgivable funds, grants, etc. over and above WIFAs current forgivable amount.

**9/26/22:** BIL, (Bipartisan Infrastructure Law) takes effect, potentially more forgivable money available.

**ASAP:** Get written commitment from all agencies willing to provide forgivable funding to BCWC.

**ASAP:** Submit all paperwork to ACC for committee reconsideration and approval

**1-3 MO:** Timeframe for ACC approval or denial for increased project funds. Only if project is not 100% forgiven.

**7/1/23:** Current 2020 Bonita Creek Water Company filed ACC docket approval of \$264k in WIFA funds expires.

# BCWC WATER LINE PROJECT, COMPANIES INVOLVED

## CONTRACTORS AND ORGANIZATIONS INVOLVED WITH REBUILD

### WIFA

Contact: Lindsey Jones  
Senior Program Admin  
100 N. 7th Ave. Suite  
130 Phoenix, AZ 85007  
Direct:(602) 364-1324  
[LJones@azwifa.gov](mailto:LJones@azwifa.gov)  
[www.azwifa.gov](http://www.azwifa.gov)

### WHAT DOES WIFA DO?

WIFA issues loan money and loan forgiveness, if any, and is based on ACC approval.

### ACC

(Arizona Corporation Commission)  
Contact: Britton Baxtor  
1200 W Washington St.  
Phoenix, AZ 85007  
[BBaxter@azcc.gov](mailto:BBaxter@azcc.gov)  
[www.azcc.gov](http://www.azcc.gov)

### WHAT DOES ACC DO?

ACC solely approves/denies any loan amount to be borrowed. They also set the term and rate for that loan. Form 40-252 will need to be completed for project reconsideration from 2020 approval.

### PROJECT ENGINEER

Contact: Allan Converse  
Engineering Division  
TeamConverse LLC  
Mail: 4666 E. Donato Dr.  
Gilbert, AZ 85298  
Office: 4365 E. Pecos Rd.  
Gilbert, AZ 85298  
480-634-1533 office  
602-339-4154 cell  
[allan@teamconverse.net](mailto:allan@teamconverse.net)  
<https://teamconverse.net>

## WIFA APPROVED CONTRACTORS TO BE CONSIDERED

### Central Arizona Pump LLC

R.O.C. 265190  
Brandon Moore 928-978-0207  
Kyle Diselvestro 480-510-5356  
141 S Oldham Rd  
Payson, AZ 85541  
[disilvestrok@yahoo.com](mailto:disilvestrok@yahoo.com)

**BACKGROUND:** Resident of Bonita Creek. Both have been in the water business for 10+ years. Licensed, Bonded and Insured

### The S.J. Anderson Co.

R.O.C. 126352  
Scott Anderson  
John Knox  
3514 N Power Rd Ste129  
MESA, AZ 85215  
602-722-0147  
[John@thesjanderson.com](mailto:John@thesjanderson.com)

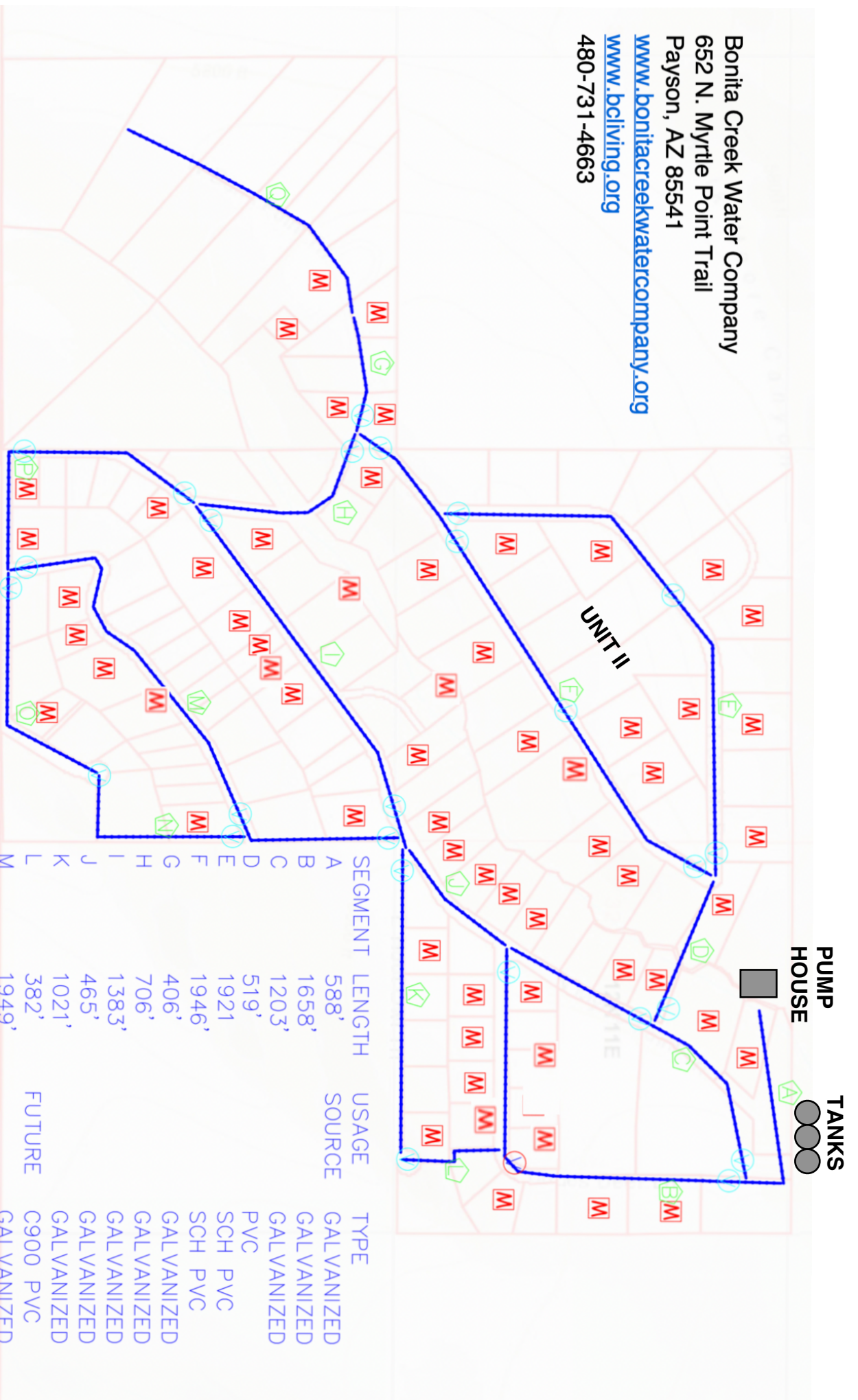
**BACKGROUND:** They have been in the water construction business for 20+ years. Licensed, Bonded & Insured

### Rutherford Diversified Inc.

R.O.C. 098055  
Rene Bernal  
1813 Paseo San Luis  
Sierra Vista AZ 85635  
520-591-9131  
[rdishop@rdiinc.us](mailto:rdishop@rdiinc.us)  
[www.rutherforddiversified.com](http://www.rutherforddiversified.com)

**BACKGROUND:** They have been in the water construction business for 20+ years. Licensed, Bonded and Insured

Bonita Creek Water Company  
 652 N. Myrtle Point Trail  
 Payson, AZ 85541  
[www.bonitacreekwatercompany.org](http://www.bonitacreekwatercompany.org)  
 480-731-4663



**OPTION 1**



## **OPTION 1 continued**

### **REASONS FOR COMPLETE COMMUNITY WATER LINE AND VALVE REBUILD**

- ~ 70% of all our water lines are galvanized. This type of pipe, over time, can create hazardous conditions for drinking water, including traces of lead.
- ~ System water leaks have become more prevalent in the last few years.
- ~ As reported, Pine AZ water system, at a similar age as ours (60+), loses 30% of their water due to existing non detected leaks.
- ~ Additional valves are needed to better isolate segments of the community when future repairs are needed to provide limited service interruption.
- ~ The County will no longer grade our community until the water lines are out of the ditches. Because of this, roads are deteriorating and thus creating more thin areas where our lines are becoming shallow, exposed and more susceptible to freeze.
- ~ There are other additional areas on both sides of the creek that are not in the ditches and their depth has become thin or exposed and are susceptible to freeze.
- ~ Doing a partial rebuild will put undo stress on the pipes when combining new lines to old existing lines, thus potentially creating weak sections throughout the system.

### **SCOPE OF WORK**

- ~ Remove all 17,822 feet of existing Galvanized Pipe and PVC water Lines.
- ~ Add an additional 2,123 feet of new water line to connect “the loop” for better flow and line management.
- ~ All new water lines to be replaced and upgraded to 4” C900 PVC piping. This is the recommended and current state of the art long term material solution.
- ~ Replace all existing water valves, add additional 5 valves where needed for better line management and add tracer tape to more easily identify the water line.
- ~ All current Patron service lines to be replaced from road side to meters.
- ~ All lines to be dug down to code at 36” to prevent freeze. This may include a “hard dig” when trenching to this depth.

## OPTION 1 continued

### FINANCIAL TERMS

~ WIFA current loan interest rate as of 8/17/22, is:	6.0%
~ WIFA loan term is minimum 20 years with possible 30 year approval:	20 years
~ Total project timeframe for completion, approximately:	6 months
~ Total Water Patrons as of 8/17/2022:	62

### CONSTRUCTION AND FINANCIAL COSTS

~ Contractor Costs	See Below
~ Phase 1 of Engineering: Planning, CAD, WIFA & ADEQ Submittal	\$6,850
~ Phase 2 of Engineering costs are a % of total construction costs:	7%
~ Hard Dig Costs, (if any)	\$50,000

### TOTAL CONSTRUCTION

#### Central Arizona Pump

Construction BID	\$ 1,224,054
Engineering Phase 1	\$ 6,850
Eng Phase 2, 7% of bid	\$ 85,684
Hard Dig (if any)	\$ 50,000

**TOTAL \$ 1,366,588**

#### The S.J. Anderson Co.

Construction BID	\$ 1,547,870
Engineering Phase 1	\$ 6,850
Eng Phase 2, 7% of bid	\$ 108,351
Hard Dig (if any)	\$ 50,000

**TOTAL \$ 1,713,071**

#### Rutherford Diversified Inc.

Construction BID	\$ 2,000,000
Engineering Phase 1	\$ 6,850
Eng Phase 2, 7% of bid	\$ 140,000
Hard Dig (if any)	\$ 50,000

**TOTAL \$ 2,196,850**

**NOTE:** All contractors quoted same materials for all water line, valves and meter connections.

## OPTION 1 continued

### CURRENT FINANCIAL FORGIVENESS

~ WIFA loan forgiveness based on current project construction costs, approx. 40.00%

~ Other potential forgiveness. TO BE DETERMINED 00.00%

**TOTAL % LOAN FORGIVENESS AS OF 8/17/2022 40.00%**

#### **NOTE: WIFAs forgiveness is on a tiered system:**

First \$250K at 85.00%, Next \$250K at 50.00%, Next \$500K at 35.00%, Next \$850K at 13.00%

### BONITA CREEK CURRENT FINANCIAL SCENERIOS

#### Central Arizona Pump LLC

Construction BID \$ 1,224,054  
Engineering Phase 1 \$ 6,850  
Eng Phase 2, 7% of bid \$ 85,684  
Hard Dig (if any) \$ 50,000

**TOTAL COST \$ 1,366,588**

Current Forgiveness \$ 560,156

LOAN BALANCE \$ 806,432  
Interest rate 6.0%  
Term 20 yrs  
Monthly Payment \$ 5,777  
BC Water Patrons 62

**AMOUNT BELOW IS THE  
ADDITIONAL MONTHLY COST  
TO EACH BC WATER PATRON  
FOR 20 YEARS.**

**\$93.00**

#### The S.J. Anderson Co.

Construction BID \$ 1,547,870  
Engineering Phase 1 \$ 6,850  
Eng Phase 2, 7% of bid \$ 108,351  
Hard Dig (if any) \$ 50,000

**TOTAL COST \$1,713,071**

Current Forgiveness \$ 605,199

LOAN BALANCE \$1,101,872  
Interest rate 6.0%  
Term 20 yrs  
Monthly Payment \$ 7,894  
BC Water Patrons 62

**AMOUNT BELOW IS THE  
ADDITIONAL MONTHLY COST  
TO EACH BC WATER PATRON  
FOR 20 YEARS.**

**\$127.00**

#### Rutherford Diversified Inc.

Construction BID \$ 2,000,000  
Engineering Phase 1 \$ 6,850  
Eng Phase 2, 7% of bid \$ 140,000  
Hard Dig (if any) \$ 50,000

**TOTAL COST \$ 2,196,850**

Current Forgiveness \$ 668,091

LOAN BALANCE \$ 1,528,759  
Interest rate 6.0%  
Term 20 yrs  
Monthly Payment \$ 10,593  
BC Water Patrons 62

**AMOUNT BELOW IS THE  
ADDITIONAL MONTHLY COST  
TO EACH BC WATER PATRON  
FOR 20 YEARS.**

**\$171.00**

**NOTE:** The Bonita Creek Water Company is not obligated to take any loan amount offered by WIFA or any other agency. If the water company accepts the WIFA loan, only the amount used will be owed. Any remaining amount will be given back to WIFA at no additional cost to the water company or patrons.

If a project option is agreed by the BCWC patrons and a loan is accepted, the ACC (Arizona Corporation Commission) will implement a monthly surcharge for each water customer based on the rate, term and amount the ACC approves.

## BCWC WATER LINE PROJECT, MATERIALS LIST

### AWWA 4" C900 Gasket Integral Bell PVC Pipe

C900 pipe and fittings meet all current industry standards and utilizes Rubber style gaskets to create leak-free joints. This 4" pipe is being recommended as a more stable product that will provide expandability for future water patrons while maintaining water

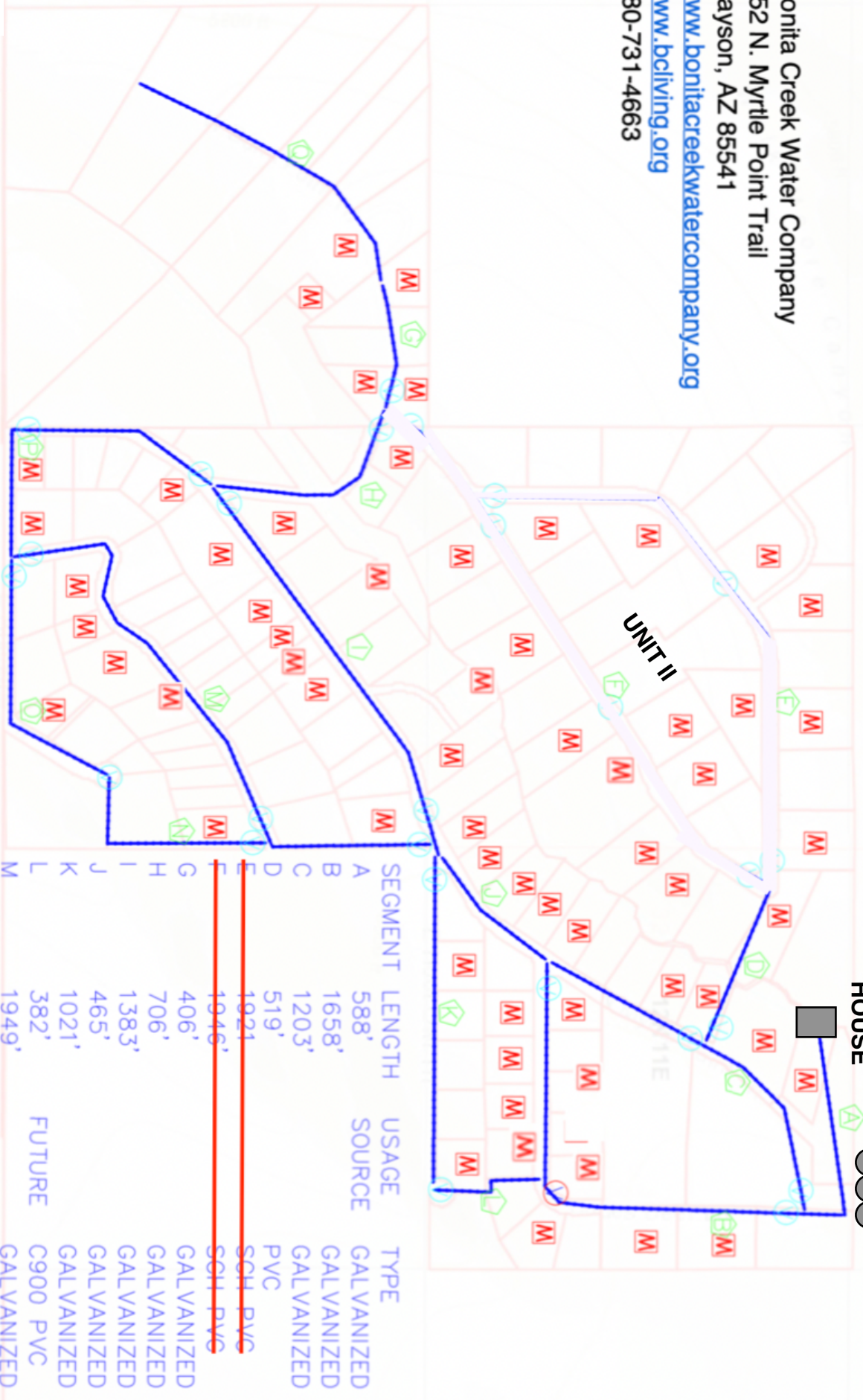


### ASTM A126 Class B 4" Cast Iron Burial Grade Valves

We currently have 22 valves in our community and this rebuild will add another 5 valves for a more efficient and community friendly shut down if/when needed. This will allow the water company, should the need arise, to better isolate a section of line rather than a significant section of the community ultimately effecting less homes during that down time.



Bonita Creek Water Company  
 652 N. Myrtle Point Trail  
 Payson, AZ 85541  
[www.bonitacreekwatercompany.org](http://www.bonitacreekwatercompany.org)  
[www.bciving.org](http://www.bciving.org)  
 480-731-4663



SEGMENT	LENGTH	USAGE	TYPE
A	588'	GALVANIZED	GALVANIZED
B	1658'	GALVANIZED	GALVANIZED
C	1203'	GALVANIZED	GALVANIZED
D	519'	PVC	PVC
E	1921'	SCH. PVC	SCH. PVC
F	1946'	SCH. PVC	SCH. PVC
G	406'	GALVANIZED	GALVANIZED
H	706'	GALVANIZED	GALVANIZED
I	1383'	GALVANIZED	GALVANIZED
J	465'	GALVANIZED	GALVANIZED
K	1021'	GALVANIZED	GALVANIZED
L	382'	FUTURE	C900 PVC
M	1949'	FUTURE	GALVANIZED
N	714'	FUTURE	C900 PVC
O	856'	FUTURE	GALVANIZED
P	1078'	FUTURE	GALVANIZED
Q	1027'	FUTURE	C900 PVC
TOTAL	14,855'		

OPTION 2



## **OPTION 2 continued**

**APPROXIMATELY 80% REBUILD OF COMMUNITY EXISTING LINES AND VALVES  
EXCLUDES UNIT 2, BIG ALS RUN.**

### **CONTRACTORS AND ORGANIZATIONS INVOLVED WITH PARTIAL REBUILD**

Same as OPTION 1

### **REASONS FOR PARTIAL COMMUNITY REBUILD**

- ~ ALL reasons as OPTION 1 but to replace all galvanized lines.
- ~ Unit 2 was added to the system and completed in 2011 and is using 2" schedule 80 PVC piping.

**NOTE: Installing New upgraded 4" lines to connect to existing 2011 2" lines will potentially create undue stress on Unit 2 creating a situation that may make this section of line more susceptible to breaks.**

### **SCOPE OF WORK**

- ~ All of OPTION 1, however without replacing Unit 2 (Big Als Run) piping.
- ~ Option 2 will be a total of 14,855 feet of water line and 19 valves as well as all meter connections to effected patrons.
- ~ Connection under creek from Myrtle Point Trail to Unit 2 to be completed for future line improvements to Unit 2.
- ~ Total project timeframe for completion, approximately 4-5 months.

# OPTION 2 continued

## BONITA CREEK CURRENT FINANCIAL SCENERIO

Same as OPTION 1, less Unit 2 and at a lessor cost to water patrons.

**NOTE: If needed, in 5 years we can go back to WIFA and request a loan to complete Unit 2.**

### Central Arizona Pump LLC

Construction BID	\$	924,357
Engineering Phase 1	\$	6,850
Eng Phase 2, 7% of bid	\$	64,705
Hard Dig (if any)	\$	50,000

### TOTAL COST      **\$ 1,045,912**

Total Forgiveness	\$	518,469
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LOAN BALANCE	\$	527,443
Interest rate		6.0%
Term		20 yrs
Monthly Payment	\$	3,779
BC Water Patrons		62

**AMOUNT BELOW IS THE  
ADDITIONAL MONTHLY COST  
TO EACH BC WATER PATRON  
FOR 20 YEARS.**

**\$61.00**

### The S.J. Anderson Co.

Construction BID	\$	1,218,870
Engineering Phase 1	\$	6,850
Eng Phase 2, 7% of bid	\$	85,321
Hard Dig (if any)	\$	50,000

### TOTAL COST      **\$ 1,361,041**

Total Forgiveness	\$	559,435
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LOAN BALANCE	\$	801,604
Interest rate		6.0%
Term		20 yrs
Monthly Payment	\$	5,743
BC Water Patrons		62

**AMOUNT BELOW IS THE  
ADDITIONAL MONTHLY COST  
TO EACH BC WATER PATRON  
FOR 20 YEARS.**

**\$93.00**

### Rutherford Diversified Inc.

Construction BID	\$	1,750,000
Engineering Phase 1	\$	6,850
Eng Phase 2, 7% of bid	\$	122,500
Hard Dig (if any)	\$	50,000

### TOTAL COST      **\$1,929,350**

Total Forgiveness	\$	633,316
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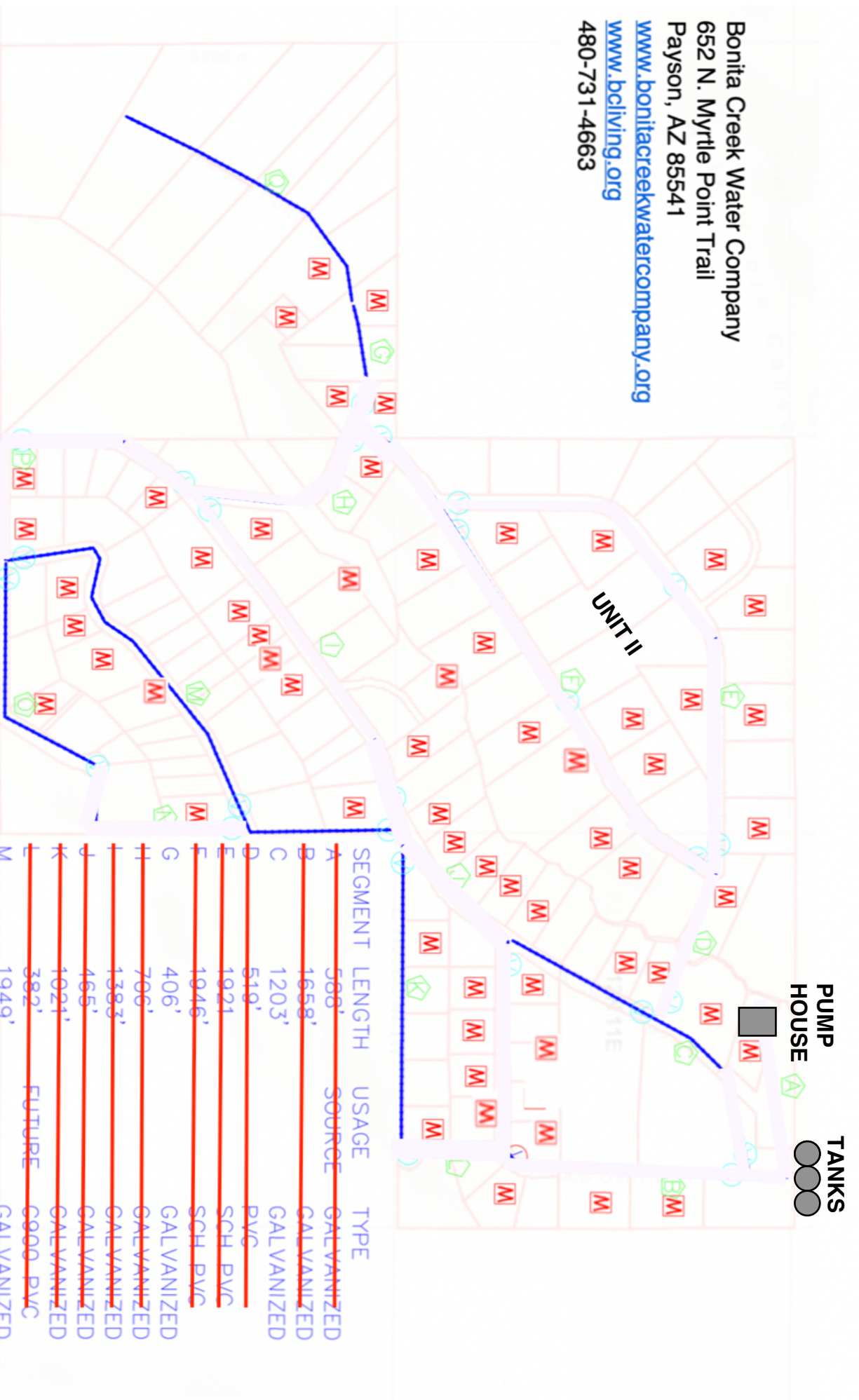
LOAN BALANCE	\$	1,296,034
Interest rate		6.0%
Term		20 yrs
Monthly Payment	\$	9,285
BC Water Patrons		62

**AMOUNT BELOW IS THE  
ADDITIONAL MONTHLY COST  
TO EACH BC WATER PATRON  
FOR 20 YEARS.**

**\$150.00**

**NOTE:** All contractors quoted same materials for all water line, valves and meter connections.

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[www.bcliving.org](http://www.bcliving.org)  
 480-731-4663



10 VALVES  
 21 METERS

SEGMENT	LENGTH	USAGE	TYPE
A	588'	SOURCE	GALVANIZED
B	1658'		GALVANIZED
C	1203'		GALVANIZED
D	519'		PVC
E	1921'		SCH. PVC
F	1946'		SCH. PVC
G	406'		GALVANIZED
H	706'		GALVANIZED
I	1383'		GALVANIZED
J	465'		GALVANIZED
K	1021'		GALVANIZED
L	392'	FUTURE	C900 PVC
M	1949'		GALVANIZED
N	714'	FUTURE	C900 PVC
O	856'		GALVANIZED
P	1078'		GALVANIZED
Q	1027'	FUTURE	C900 PVC
TOTAL	6,155'		

OPTION 3

## **OPTION 3 continued**

**PARTIAL REBUILD OF KNOWN SHALLOW LINES, VALVES WHERE NEEDED AND THOSE METER CONNECTIONS THAT ARE EFFECTED.**

### **CONTRACTORS AND ORGANIZATIONS INVOLVED WITH PARTIAL REBUILD**

Central Arizona Pump LLC  
Brandon Moore, Owner  
928-978-0207  
Kyle Disilvestro  
480-510-5356  
disilvestrok@yahoo.com

### **REASONS FOR SPECIFIC LINE REPLACEMENT**

- ~ ALL reasons as OPTION 1 and 2 however at a significantly lower monthly cost to all water patrons.
- ~ These are the lines that are known to be shallow and or exposed and need immediate attention.

**NOTE: Installing New lines that will connect to existing 60 year old lines will create undue stress on the system creating a situation that may make these remaining lines more susceptible to breaks.**

## OPTION 3 continued

### SCOPE OF WORK

- ~ To reposition to center of road and replace approximately 6,155 feet of distressed line. These lines will be replaced with schedule 80, 2" PVC piping at a minimum of 24" depth.
- ~ Reconnect approximately 20 meter connections from road side as needed.
- ~ Replace gate valves as needed.
- ~ Total project timeframe for completion, approximately 2-4 months depending on available volunteers.

### FINANCIAL COST

#### Central Arizona Pump LLC

Construction BID	\$121,524
Engineering Phase 1	\$ 6,850
Eng Phase 2, 7% of bid	\$ 8,507
Hard Dig (if any)	\$ 50,000
<b><u>TOTAL COST</u></b>	<b><u>\$ 186,881</u></b>
Total Forgiveness	\$ Unknown
<b>LOAN BALANCE</b>	<b>\$ 186,881</b>
Interest rate	6.0%
Term	20 yrs
Monthly Payment	\$ 1,339
BC Water Patrons	62

**AMOUNT BELOW IS THE ADDITIONAL  
MONTHLY COST TO EACH BC WATER  
PATRON FOR 20 YEARS.**

**\$22.00**



## **OPTION 4**

### **DO NOTHING.**

Continue to make repairs when needed.

Ken Nagy will no longer be Water Operator after December 31, 2022.

Any future repairs and operations will be put on the availability of volunteers in the community (most likely full time residents) to keep our water flowing.