

**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING NOTICE AND AGENDA**

Pursuant to A.R.S. § 38-431.02, notice is hereby given to the customers of the Green Valley Domestic Water Improvement District and to the general public that the Green Valley Domestic Water Improvement District will hold a meeting open to the public on:

**MONDAY, January 24th, 2022, at 8:00AM  
at the Green Valley Water District Conference Room  
3200 S. Camino Del Sol, Green Valley, AZ**

The meeting will be held both in person and remotely by Zoom Video Conference. To access this meeting by Zoom, customers and the public must email the Green Valley Water District at [office@gvwaterdistrict.com](mailto:office@gvwaterdistrict.com) to request an invitation. Please submit your request at least 24 hours in advance and include your email address.

The meeting agenda:

1. Call to order and Roll Call – Chair, Bob Hedden
2. Replace Manual Read meters. Status and schedule
3. Install SCADA & FlexNet antennas. Design and installation schedule.
4. Canoa Ranch expansion.
5. Call to the Public.
6. Next meeting scheduled for Tuesday, February 22nd, 2022, at 9:00 AM.
7. Adjournment

**Green Valley Water District**  
Posted January 19th, 2022 @ 11:30AM

By \_\_\_\_\_  
Luis Rodriguez, Clerk of the Board

Persons with a disability may request a reasonable accommodation by contacting GVWD at (520) 625-9112 at least 24-hours before the meeting to facilitate the accommodation. The meeting location is ADA compliant.

**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING MINUTES  
Monday, January 24<sup>th</sup>, 2022**

Committee Present:	Robert (Bob) Hedden Patricia (Pat) Carlstad George (Dr.) Orndorff Daniel (Dan) Van Norman	Joseph (Hart) Krumrine Eric Sullwold Lee Lemas
Committee Absent:	Edwin Storey	
District Staff Present:	Dara Duffy	Lora Burruel
Board Directors Present:	Darlene (Dar) Hollingsworth	John Green
Advisors Present:	Raymond (Ray) Weisgarber	
Public Present:	None	
Clerk of the Board:	Luis Rodriguez	

1. Meeting was called to order at 8:00AM by Chair, Bob Hedden.
1. Replace Manual Read Meters.
  - A. Current Capital Project includes 650 meters.
  - B. Only 50 meters have been received to date.
  - C. Distributor cannot provide date for receipt of remaining meters.
  - D. Will determine in February Technical meeting the course of action if District does not have a schedule for the delivery of the remaining meters.
  - E. The District can replace up to 30 meters per day.
2. Install SCADA & FlexNet antennas.
  - A. The District received two (2) proposals for installing subject antennas. Bids were incomplete and not comparable.
  - B. The District had Riley Engineering review bids.
  - C. Riley Engineering proposed managing the entire project including design drawings, permitting, and managing installation.
  - D. The District decided to have Power Product Services (PPS) design, permit, and install subject antennas.
  - E. The District will approve drawings and manage installation of the project.
  - F. Now expect to have revised bid from Power Product Services in February 2022.
3. Canoa Ranch Expansion.
  - A. District has not received any information from WLB Group or Fairfield Homes.
  - B. District was asked to find out if the Developer still intends to maintain Commercial Area noted on existing plat.
  - C. District has contacted Riley Engineering to provide three (3) possible designs for updating the Camino del Sol booster station.
4. Call to the Public. No comments.
5. Next meeting is scheduled for Tuesday, February 22<sup>nd</sup>, 9:00AM.
6. The meeting was adjourned at 8:30AM.

**Green Valley Domestic Water Improvement District**

**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING NOTICE AND AGENDA**

Pursuant to A.R.S. § 38-431.02, notice is hereby given to the customers of the Green Valley Domestic Water Improvement District and to the general public that the Green Valley Domestic Water Improvement District will hold a meeting open to the public on:

**TUESDAY, February 22<sup>nd</sup>, 2022, at 9:00AM  
at the Green Valley Water District Conference Room  
3200 S. Camino Del Sol, Green Valley, AZ**

The meeting will be held both in person and remotely by Zoom Video Conference. To access this meeting by Zoom, customers and the public must email the Green Valley Water District at [office@gvwaterdistrict.com](mailto:office@gvwaterdistrict.com) to request an invitation. Please submit your request at least 24 hours in advance and include your email address.

The meeting agenda:

1. Call to order and Roll Call – Chair, Bob Hedden
2. Replace Manual Read Meters
3. Purchase and Install SCADA & FlexNet antennas
4. Update on Canoa Ranch expansion
5. Riley Engineering status for Camino Del Sol Booster station up-grade and System evaluation north of Calle Tres
6. Call to the Public
7. Next meeting scheduled for Monday, March 21<sup>st</sup>, 2022, at 8:00 AM.
8. Adjournment

**Green Valley Water District**

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**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING MINUTES  
Tuesday, February 22<sup>nd</sup>, 2022**

Committee Present:	Robert (Bob) Hedden Patricia (Pat) Carlstad George (Dr.) Orndorff	Joseph (Hart) Krumrine Eric Sullwold Lee Lemas
Committee Absent:	Edwin Storey	Daniel (Dan) Van Norman
District Staff Present:	Dara Duffy	Lora Burruel
Board Directors Present:	Darlene (Dar) Hollingsworth	
Advisors Present:		
Public Present:	None	
Clerk of the Board:	Luis Rodriguez	

1. Meeting was called to order at 10:16AM by Chair, Bob Hedden.
1. Replace Manual Read Meters.
  - A. No change since the January meeting in the number of meters available or have been installed.
  - B. DM is reviewing the project cost and schedule. Information to be provided at March meeting.
2. Install SCADA & FlexNet antennas.
  - A. Contractor is designing the foundations for the three (3) antennas. This includes taking site soil samples for compaction analysis.
  - B. Contractor to provide GVWD with foundation drawings prior to submitting to Pima County for the necessary permits.
  - C. Contactor expects to complete project within the current fiscal year.
  - D. DM is also reviewing project costs same as in Item #1.
3. Canoa Ranch Expansion.
  - A. GVWD has received from WLB Group the proposed Development drawings being submitted to the Pima County for permitting.
  - B. The Development is being constructed in three (3) phases.
  - C. Current platted Commercial area is still being maintained.
  - D. No timetable for starting the development has been submitted by the Developer – Fairfield Homes
4. Riley Engineering.
  - A. GVWD has contracted Riley to provide a separate design project for the up-grading of the Camino del Sol Booster station to accommodate the Canoa Ranch expansion north of the Escondido Wash.
  - B. Riley to develop a proposal for doing an “in-depth” evaluation of GVWD’s infrastructure model north of the Escondido Wash.
  - C. Proposals to be completed before end of fiscal year.
5. Call to the Public. No comments.
6. Next meeting is scheduled for Monday, March 21<sup>st</sup>, 8:00AM.
7. The meeting was adjourned at 8:30AM.

**Green Valley Domestic Water Improvement District**

**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING NOTICE AND AGENDA**

Pursuant to A.R.S. § 38-431.02, notice is hereby given to the customers of the Green Valley Domestic Water Improvement District and to the general public that the Green Valley Domestic Water Improvement District will hold a meeting open to the public on:

**Monday, March 21<sup>st</sup>, 2022, at 8:00AM  
at the Green Valley Water District Conference Room  
3200 S. Camino Del Sol, Green Valley, AZ**

The meeting will be held both in person and remotely by Zoom Video Conference. To access this meeting by Zoom, customers and the public must email the Green Valley Water District at [office@gvwaterdistrict.com](mailto:office@gvwaterdistrict.com) to request an invitation. Please submit your request at least 24 hours in advance and include your email address.

The meeting agenda:

1. Call to order and Roll Call – Chair, Bob Hedden
2. Manual Read Meters Project – Update
3. SCADA – FlexNet Antenna Project – Update
4. Capital Budget Review (Current Project Estimated Costs & Schedules)
5. Canoa Ranch Expansion – Update
6. Riley Engineering Proposals
  - a. Up-grade Camino del Sol Booster station
  - b. Review/up-date Infrastructure model – GVWD Franchise area north of Escondido Wash
7. Material and Manpower shortages for Maintenance activities (Valves, Pipe, Pump & Drive re-builts availability, etc.)
8. Call to the Public
9. Next meeting scheduled for Monday, April 25<sup>th</sup>, 2022, at 8:00 AM.
10. Adjournment

**Green Valley Water District**

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**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING MINUTES  
Monday, March 21<sup>st</sup>, 2022**

Committee Present:	Robert (Bob) Hedden Patricia (Pat) Carlstad George (Dr.) Orndorff Edwin Storey	Joseph (Hart) Krumrine Eric Sullwold Lee Lemas
Committee Absent:	Daniel (Dan) Van Norman	
District Staff Present:	Dara Duffy	Lora Burruel
Board Directors Present:	Darlene (Dar) Hollingsworth	
Advisors Present:		
Public Present:	None	
Clerk of the Board:	Luis Rodriguez	

1. Meeting was called to order at 8:02AM by Chair, Bob Hedden.
2. Manual Read Meters Project - Update:
  - A. No change since the January meeting in the number of meters available or have been installed.
  - B. DM is reviewing the project cost and schedule. Information to be provided at the April Technical Advisory Committee meeting.
  - C. Primary concern is for the cost and schedule associated with these meters in future Capital Budget projects.
3. SCADA and FlexNet Antennas Project - Update:
  - A. Contractor is designing the foundations for the three (3) antennas. Design delay is associated to soil compaction information not being available. Expectation is soil information will be available by mid-April.
  - B. Contractor to provide GVWD with foundation drawings prior to submitting to Pima County for the necessary permits.
  - C. Contactor expects to complete project within the current fiscal year.
4. Canoa Ranch Expansion - Update:
  - A. GVWD has received from WLB Group the proposed Development drawings that will be submitted to Pima County for permitting. Delay is associated with Developer completing at traffic study.
  - B. The Development is being constructed in three (3) phases.
  - C. Current platted Commercial area is still being maintained.
  - D. Developer expects to start within the Phase 1 area the demolition of the existing infrastructure by August 2022. Demolition will be followed by constructing the new infrastructure for this Phase.
  - E. Developer expects to start construction of the model homes by January 2023.
  - F. Pima County is planning on constructing a new sewer line along the East frontage road that will be used to support the new Canoa Ranch expansion. Sewer line is to be completed by January 2023.
  - G. Developer has agreed to construct connections to the existing water infrastructure from the Rest Center water lines. Connections will be made at locations identified by GVWD.
5. Riley Engineering Proposals:
  - A. The Chair and DM rejected the two (2) proposals from Riley Engineering regarding the up-dating/validation of the infrastructure model and the up-dating of the Camino del Sol Booster Station.
  - B. DM to provide a “more” specific scope of work for each proposal that better reflects GVWD’s expectations from these proposals.

- C. Proposals to be completed before end of fiscal year. Actual work reflected in the proposals will not begin until next fiscal year plus being the basis for developing future capital budgets.
- 6. Material and Manpower Shortages for Maintenance Activities:
  - A. The Chair suggested the DM evaluate the current shortage of manpower and materials as it relates to GVWD's maintenance activities. The major concern is the impact on normal re-building schedules for pumps and motors. In addition, a review of maintenance items availability should become the basis for possibly increasing the inventory of these items.
- 7. Call to the Public. No comments.
- 8. Next meeting is scheduled for Monday, April 25<sup>th</sup> at 8:00AM.
- 9. The meeting was adjourned at 8:45AM.

**Green Valley Domestic Water Improvement District**

**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING NOTICE AND AGENDA**

Pursuant to A.R.S. § 38-431.02, notice is hereby given to the customers of the Green Valley Domestic Water Improvement District and to the general public that the Green Valley Domestic Water Improvement District will hold a meeting open to the public on:

**Monday, April 25<sup>th</sup>, at 8:00AM  
at the Green Valley Water District Conference Room  
3200 S. Camino Del Sol, Green Valley, AZ**

The meeting will be held both in person and remotely by Zoom Video Conference. To access this meeting by Zoom, customers and the public must email the Green Valley Water District at [office@gvwaterdistrict.com](mailto:office@gvwaterdistrict.com) to request an invitation. Please submit your request at least 24 hours in advance and include your email address.

The meeting agenda:

1. Call to order and Roll Call – Chair, Bob Hedden
2. SCADA – FlexNet Antenna Project – Update
3. Canoa Ranch Expansion – Update
4. Riley Engineering Proposals
  - a. Up-grade Camino del Sol Booster station
  - b. Review/up-date Infrastructure model – GVWD Franchise area north of Escondido Wash
5. Call to the Public
6. Next meeting scheduled for Monday, May 23<sup>rd</sup>, 2022, at 8:00 AM.
7. Adjournment

**Green Valley Water District**

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**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING MINUTES  
Monday, April 25<sup>th</sup>, 2022**

Committee Present:	Robert (Bob) Hedden Patricia (Pat) Carlstad George (Dr.) Orndorff	Joseph (Hart) Krumrine Eric Sullwold Edwin Storey
Committee Absent:	Lee Lemas	Daniel (Dan) Van Norman
District Staff Present:	Dara Duffy	Lora Burruel
Board Directors Present:	Darlene (Dar) Hollingsworth	John Green
Advisors Present:		
Public Present:	None	
Clerk of the Board:	Luis Rodriguez	

1. Meeting was called to order at 8:00AM by Chair, Bob Hedden.
2. Canoa Ranch Expansion
  - A. No Change since the March Tech Meeting
  - B. WLB Engineering indicated the Developer was trying to start the infrastructure work in August.
  - C. Both County permitting and the construction of a new wastewater pipeline will have primary impact on the Developer's schedule.
3. Riley Engineering Proposals:
  - A. A new proposal for the work associated with validating GVWD's hydrology and infrastructure model has been received and accepted.
  - B. Project work will start in July 2022 and take 90 days to complete.
  - C. Riley to meet with the DM and Tech Comm. Chairman the last week of Sept. 2022 to review the draft project information.
  - D. Final copy of project information and proposals are to be received by mid-October, 2022.
  - E. Electronic copies of the final proposal will be sent to all Committee members.
  - F. October. 2022 Tech Comm. meeting will include the initial discussion of the Riley proposal.
  - G. Tech. Comm. will have their recommendations on possible capital projects by either January or February 2023.
4. Install SCADA and Flex-net antennas:
  - A. Received site drawings for the 3 locations involved in the project.
  - B. Have not received the foundation drawings due to a delay in obtaining the necessary soil condition information.
  - C. Expect all drawings early in May.
  - D. Contractor is expecting the necessary permitting by Pima County by early June with construction of the antenna facilities to begin shortly thereafter. Project still expected to be finished this fiscal year.
5. Call to the Public. No comments.
6. Next meeting is scheduled for Monday, May 23<sup>rd</sup>, at 8:00AM.
7. The meeting was adjourned at 8:35AM.

**Green Valley Domestic Water Improvement District**

**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING NOTICE AND AGENDA**

Pursuant to A.R.S. § 38-431.02, notice is hereby given to the customers of the Green Valley Domestic Water Improvement District and to the general public that the Green Valley Domestic Water Improvement District will hold a meeting open to the public on:

**Monday, May 23<sup>rd</sup>, at 8:00AM  
at the Green Valley Water District Conference Room  
3200 S. Camino Del Sol, Green Valley, AZ**

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The meeting agenda:

1. Call to order and Roll Call – Chair, Bob Hedden
2. Canoa Ranch Expansion – Update
3. SCADA – FlexNet Antenna project up-date
4. Capital Budget Discussion – bring attached Project Summary Document.
5. Call to the Public
6. Next meeting scheduled for Monday, June 20<sup>th</sup>, 2022, at 8:00 AM.
7. Adjournment

**Green Valley Water District**

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**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING MINUTES  
Monday, May 23<sup>rd</sup>, 2022**

Committee Present:	Robert (Bob) Hedden Patricia (Pat) Carlstad George (Dr.) Orndorff Edwin Storey	Joseph (Hart) Krumrine Eric Sullwold Lee Lemas
Committee Absent:	Daniel (Dan) Van Norman	
District Staff Present:	Dara Duffy	Lora Burruel
Board Directors Present:	Darlene (Dar) Hollingsworth	
Advisors Present:		
Public Present:	None	
Clerk of the Board:	Luis Rodriguez	

1. Meeting was called to order at 8:03AM by Chair, Bob Hedden.
2. Canoa Ranch Expansion – Update. No change from April 2022 report.
3. SCADA-FlexNet Antenna Project:
  - A. Project to start May 31, 2002; to be completed by Mid-June.
  - B. Project is a Ground Set Installation. This means 10% of the antenna length is encased in the concrete foundation.
  - C. Actual aluminum antenna is placed in a galvanized steel sleeve that is held in place by steel wedges welded onto a steel plate located at the base of the foundation.
  - D. Steel lightning rod also welded onto the steel plate and buried underground.
  - E. Foundation is constructed with 3000 psi concrete with an expected slump of 3 – 5 inches.
4. Capital Budget Discussion:
  - A. Over \$42,500 of Iperl meters and \$15,000 of single port meters were being carried over into the 2023 & 2024 Capital Budget.  
Availability of items was primary cause of the carry-over.
  - B. Material availability is potentially still going to be an issue for the same items in the 2022-2023 Capital Budget.
  - C. Suggested consideration be given to adjust the proposed 2022-2023 Capital Budget to include constructing a block wall and steel rolling entry gate at the Calle Tres booster station. Proposed enclosure is the same construction of all other GVWD sites.
  - D. District was not in favor of including Calle Tres enclosure project in the 2022-2023 Capital Budget.
  - E. Topic will be raised in May Board meeting.
5. Call to the Public. No comments.
6. Next meeting is scheduled for Monday, June 20<sup>th</sup>, at 8:00AM.
7. The meeting was adjourned at 8:40AM.

**Green Valley Domestic Water Improvement District**

**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING NOTICE AND AGENDA**

Pursuant to A.R.S. § 38-431.02, notice is hereby given to the customers of the Green Valley Domestic Water Improvement District and to the general public that the Green Valley Domestic Water Improvement District will hold a meeting open to the public on:

**Monday, June 20<sup>th</sup>, at 8:00AM  
at the Green Valley Water District Conference Room  
3200 S. Camino Del Sol, Green Valley, AZ**

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The meeting agenda:

1. Call to order and Roll Call – Chair, Bob Hedden
2. FlexNet - SCADA Antenna project up-date
3. Riley Engineering contract up-date
4. Call to the Public
5. Next meeting scheduled for Monday, September 19<sup>th</sup>, 2022, at 8:00 AM.
6. Adjournment

**Green Valley Water District**  
Posted June 17<sup>th</sup>, 2022 @9:00AM

By: \_\_\_\_\_  
Luis Rodriguez, Clerk of the Board

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**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING MINUTES  
Monday, June 20<sup>th</sup>, 2022**

Committee Present:	Robert (Bob) Hedden Patricia (Pat) Carlstad Edwin Storey	Joseph (Hart) Krumrine Eric Sullwold Lee Lemas via video
Committee Absent:	Daniel (Dan) Van Norman	George (Dr.) Orndorff
District Staff Present:	Dara Duffy	Lora Burruel
Board Directors Present:	John Green	
Advisors Present:		
Public Present:	None	
Clerk of the Board:	Luis Rodriguez	

1. Meeting was called to order at 8:03AM by Chair, Bob Hedden.
2. FlexNet - SCADA Antenna project up-date.
  - A. Towers and associated antennas were installed at the three (3) designated locations.
  - B. SCADA system up-grade installed utilizing the new antennas. Resulting signal is the strongest since original system was installed.
  - C. FlexNet system will be installed in mid-June and the associated training will be done at the same time.
  - D. Rate payers having up-graded Perl meters and MXU meters will be read utilizing the FlexNet system once it is installed, and the people trained.
  - E. Complete FlexNet project will not be completed until at least the 2023-2024 fiscal year. Project being impacted by difficulty obtaining meters due to the “chip” problem.
3. Capital Budget Discussion.
  - A. Over \$42,500 of Iperl meters and \$15,000 of single port meters were being carried over into the 2022-2023 Capital Budget.  
Availability of items was primary cause of the carry-over.
  - B. Material availability is potentially still going to be an issue for the same items included in the 2022-2023 Capital Budget.
4. Riley Engineering.
  - A. DM and Tech Committee Chairman met with Riley Engineering via a Zoom call on June 16<sup>th</sup>. Riley is prepared to start the project immediately.
  - B. Riley has hired an additional engineer to be primarily responsible for the system evaluation project.
  - C. Riley personnel met with the DM on June 21<sup>st</sup> and toured all of GVWD’s sites.
  - D. GVWD will provide “As Built” drawings for all its infrastructure plus accomplish all water flow testing under the direction of Riley.
  - E. During June 16<sup>th</sup> Zoom meeting, GVWD re-emphasized the project expectations which include: development of infrastructure model representing current conditions, system capability meeting ADD and MDD requirements north of the Escondido Wash, Development of capital projects list to upgrade/improve system reliability for current system.
  - F. Upgrade of the Camino del Sol Booster station has been included in the 2022-2023 Capital budget as a separate project.
5. Call to the Public. No comments.
6. Next meeting is scheduled for Monday, September 19<sup>th</sup>, at 8:00AM.
7. The meeting was adjourned at 8:43AM.

**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING NOTICE AND AGENDA**

Pursuant to A.R.S. § 38-431.02, notice is hereby given to the customers of the Green Valley Domestic Water Improvement District and to the general public that the Green Valley Domestic Water Improvement District will hold a meeting open to the public on:

**~~Monday, September 19<sup>th</sup>, at 8:00AM~~  
at the Green Valley Water District Conference Room  
3200 S. Camino Del Sol, Green Valley, AZ**

The September Technical Committee meeting has been canceled.

**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING MINUTES  
Monday, September 19<sup>th</sup>, 2022**

Committee Present:	Robert (Bob) Hedden Patricia (Pat) Carlstad Edwin Storey	Joseph (Hart) Krumrine Eric Sullwold Lee Lemas via video
Committee Absent:	Daniel (Dan) Van Norman	George (Dr.) Orndorff
District Staff Present:	Dara Duffy	Lora Burruel
Board Directors Present:	John Green	
Advisors Present:		
Public Present:	None	
Clerk of the Board:	Luis Rodriguez	

1. Meeting was called to order at 8:03AM by Chair, Bob Hedden.
2. FlexNet - SCADA Antenna project up-date.
  - A. Towers and associated antennas were installed at the three (3) designated locations.
  - B. SCADA system up-grade installed utilizing the new antennas. Resulting signal is the strongest since original system was installed.
  - C. FlexNet system will be installed in mid-June and the associated training will be done at the same time.
  - D. Rate payers having up-graded Perl meters and MXU meters will be read utilizing the FlexNet system once it is installed, and the people trained.
  - E. Complete FlexNet project will not be completed until at least the 2023-2024 fiscal year. Project being impacted by difficulty obtaining meters due to the “chip” problem.
3. Capital Budget Discussion.
  - A. Over \$42,500 of Iperl meters and \$15,000 of single port meters were being carried over into the 2022-2023 Capital Budget.  
Availability of items was primary cause of the carry-over.
  - B. Material availability is potentially still going to be an issue for the same items included in the 2022-2023 Capital Budget.
4. Riley Engineering.
  - A. DM and Tech Committee Chairman met with Riley Engineering via a Zoom call on June 16<sup>th</sup>. Riley is prepared to start the project immediately.
  - B. Riley has hired an additional engineer to be primarily responsible for the system evaluation project.
  - C. Riley personnel met with the DM on June 21<sup>st</sup> and toured all of GVWD’s sites.
  - D. GVWD will provide “As Built” drawings for all its infrastructure plus accomplish all water flow testing under the direction of Riley.
  - E. During June 16<sup>th</sup> Zoom meeting, GVWD re-emphasized the project expectations which include: development of infrastructure model representing current conditions, system capability meeting ADD and MDD requirements north of the Escondido Wash, Development of capital projects list to upgrade/improve system reliability for current system.
  - F. Upgrade of the Camino del Sol Booster station has been included in the 2022-2023 Capital budget as a separate project.
5. Call to the Public. No comments.
6. Next meeting is scheduled for Monday, October 24<sup>th</sup>, at 8:00AM.
7. The meeting was adjourned at 8:47AM.



**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING NOTICE AND AGENDA**

Pursuant to A.R.S. § 38-431.02, notice is hereby given to the customers of the Green Valley Domestic Water Improvement District and to the general public that the Green Valley Domestic Water Improvement District will hold a meeting open to the public on:

**Monday, October 24<sup>th</sup>, at 8:00AM  
at the Green Valley Water District Conference Room  
3200 S. Camino Del Sol, Green Valley, AZ**

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The meeting agenda:

1. Call to order and Roll Call – Chair, Bob Hedden
2. FlexNet - SCADA Antenna project up-date
3. Riley Engineering contract up-date
4. Block 27S expansion
5. Call to the Public
6. Next meeting scheduled for Monday, November 14<sup>th</sup>, 2022, at 8:00 AM.
7. Adjournment

**Green Valley Water District**

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**REEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING MINUTES  
Monday, October 24<sup>th</sup>, 2022**

Committee Present:	Robert (Bob) Hedden Patricia (Pat) Carlstad Edwin Storey (arrived @ 8:41am)	Joseph (Hart) Krumrine Eric Sullwold Lee Lemas
Committee Absent:	Daniel (Dan) Van Norman	George (Dr.) Orndorff
District Staff Present:	Dara Duffy	Lora Burruel
Board Directors Present:	John Green (arrived via phone call @ 8:34am)	
Advisors Present:		
Public Present:	Steven Ball (arrived @ 8:03am)	
Clerk of the Board:	Luis Rodriguez	

1. Meeting was called to order at 8:00AM by Chair, Bob Hedden.
2. Block 27- S Expansion Up-date:
  - A. Expansion first discussed with Fairfield Homes in 2019.
  - B. 1st set of drawings provided in Oct. 2020 (348 Lots)
  - C. 2nd set of drawings provided in Feb. 2022 (338 Lots)
  - D. Drawing sent to Pima County for permitting Mar 2022; no results from Pima County to date.
  - E. Lack of sewer still an issue. New Pima County sewer line now not expected until 1st or 2nd Qtr. 2023.
  - F. GVWD still needs final drawings outlining road systems, water lines, Lot Plat, and Line Extension Agreement.
  - G. Site work has started to remove existing site work associated with old Meritage expansion plans.
3. Riley Engineering.
  - A. Contract was issued June 2022. Contract was completed in October 2022.
  - B. Contract was to up-date and calibrate GVWD's Hydraulic Model and develop a possible Capital project list
  - C. Capital Project list was discussed with Riley and presented to Tech Comm. members at Oct. 2022 meeting.
  - D. Two (2) projects were highlighted in the Capital Project List:
    - a. Up-grade Camino del Sol Booster station. (Engineering to be done in current fiscal year; actual up-grade to be done during 2022-2023 fiscal year.
    - b. Calle Tres Booster station is not operating at expected levels. (GVWD to investigate and make necessary changes)
  - E. Hydraulic Model to be discussed during Nov. Tech, Mtg.
3. SCADA and FlexNet Antenna Project:
  - A. Towers and associated antennas are installed. SCADA system operating as planned since Sept. 2022.
  - B. Delivery of Perl meters and MXU meters continue to be an issue. Will result in delay in completing the project until 2024.
  - C. FlexNet equipment and associated software to be installed during 1st Qtr. 2023. Office personnel to be trained once the system is installed.
  - D. Residents in adjacent HOA are upset with the installation of the tower at GVWD's well site.
  - E. GVWD has agreed to conducting an additional propagation study to see if the height of the tower can be reduced from 100' to 60'
  - F. GVWD will not make any change to the current system layout if the 2nd propagation study has "Line of Sight" values less than the currently installed system.

**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING NOTICE AND AGENDA**

Pursuant to A.R.S. § 38-431.02, notice is hereby given to the customers of the Green Valley Domestic Water Improvement District and to the general public that the Green Valley Domestic Water Improvement District will hold a meeting open to the public on:

**Monday, November 14<sup>th</sup>, 2022, at 8:00AM  
at the Green Valley Water District Conference Room  
3200 S. Camino Del Sol, Green Valley, AZ**

The meeting will be held both in person and remotely by Zoom Video Conference. To access this meeting by Zoom, customers and the public must email the Green Valley Water District at [office@gvwaterdistrict.com](mailto:office@gvwaterdistrict.com) to request an invitation. Please submit your request at least 24 hours in advance and include your email address.

The meeting agenda:

1. Call to order and Roll Call – Chair, Bob Hedden
2. Block 27S expansion – update
3. Riley Engineering Contract
  - A. Any questions regarding possible Capital Projects
  - B. Review Hydrology Study
4. FlexNet and SCADA Capital Project.
  - A. Material received and implementation status for FlexNet project
  - B. Response to residents' complaint regarding SCADA antenna at Cotonia Well Site
5. Call to the Public
6. Next meeting scheduled for Monday, December 12<sup>th</sup>, 2022, at 8:00 AM.
7. Adjournment

**Green Valley Water District**

Persons with a disability may request a reasonable accommodation by contacting GVWD at (520) 625-9112 at least 24-hours before the meeting to facilitate the accommodation. The meeting location is ADA compliant.
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**REEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING MINUTES  
Monday, November 14<sup>th</sup>, 2022**

Committee Present:	Robert (Bob) Hedden Patricia (Pat) Carlstad Edwin Storey George (Dr.) Orndorff	Joseph (Hart) Krumrine via video Eric Sullwold Lee Lemas via video
Committee Absent:	Daniel (Dan) Van Norman	
District Staff Present:	Dara Duffy	Lora Burruel via video
Board Directors Present:	John Green	Dar Hollingsworth
Advisors Present:		
Public Present:	Steven Ball	
Clerk of the Board:	Luis Rodriguez	

1. Meeting was called to order at 8:00AM by Chair, Bob Hedden.
2. Block 27- S Expansion Up-date:
  - A. Developer has not received a permit from Pima County to commence building.
  - B. Developer clearing the building site of previously constructed infrastructure.
  - C. GVWD still needs final drawings outlining individual lot plats, road system, water lines, and Line Extension Agreement.
3. Riley Engineering Contract:
  - A. Contract was to up-date and calibrate GVWD's Hydrology Model and develop a list of possible Capital Projects. Contract was completed in October 2022.
  - B. Based upon actual "field measurements", existing hydrology model did not need to be changed/calibrated very much. Verification was made that GVWD's current Cotonia Well output meets the required demand of the proposed expansion in Block 27-S.
  - C. Following drawings were provided:
    1. All valve locations
    2. Fire Flow pressures of 20 & 25 psi
    3. Existing residential and commercial water pressures.
  - D. Calle Tres booster station is not designed to meet current Fire Department volume demands.
  - E. Booster stations at both Calle Tres and Camino del Sol will be included in a new design contract. Booster stations now considered permanent vs. their initial installation of being temporary.
4. SCADA and FlexNet Antenna Project
  - A. SCADA system has been operating since Sept. 2022. Consultant will update software program during 1<sup>st</sup> Qtr. 2023.
  - B. Delivery of Perl meters and MXU's continue to be an issue. Received only 80 meters since August 2022. Expect project to be completed in 2024.
  - C. Flexnet hardware has been installed on the antennas located at the Cotonia Well Site and the Calle Tres Booster station. Software and training of office personnel will be done during the 1<sup>st</sup> Qtr. 2023.
  - D. GVWD reviewed the propagation study to determine the Cotonia Well site "line of sight" antenna could not be improved by utilizing an intermediate reflector antenna. All possible reflector sites resulted in more sight interference than the current direct line of sight between the well site and storage tanks.
  - E. GVWD confirmed with Pima County Zoning that the antenna installation did not need Pima County permits and GVWD could install any infrastructure deemed necessary to operate its water system.

- F. GVWD responded to the HOA letter requesting the antenna be removed and/or lowered by indicating no changes will be made to the installed “monopole” antenna.
- 5. Next meeting is scheduled for Monday, December 12<sup>th</sup>, 2022, at 8:00AM.
- 6. Adjournment. The meeting was adjourned at 9:04AM.

**Green Valley Domestic Water Improvement District**

**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE - CANCELLED  
MEETING NOTICE AND AGENDA**

**Monday, December 12<sup>th</sup>, 2022, at 8:00AM - CANCELLED  
at the Green Valley Water District Conference Room  
3200 S. Camino Del Sol, Green Valley, AZ**

The Chair cancelled the meeting since the status of the agenda items have not changed since November.