

**GREEN VALLEY DOMESTIC WATER IMPROVEMENT DISTRICT  
TECHNICAL ADVISORY COMMITTEE  
MEETING MINUTES  
Monday, March 22, 2021**

Committee Present:	Robert (Bob) Hedden Lee Lemas George (Dr.) Orndorff	Joseph (Hart) Krumrine Patricia (Pat) Carlstad Steve Lathrop
Committee Absent:	Eric Sullwold Kenneth (Ken) Goff	Daniel (Dan) Van Norman
District Staff:	Dara Duffy	Lora Burruel
Board Members	Darlene (Dar) Hollingsworth	John Green
Advisors:	Edwin (Ed) Storey	
Clerk of the Board:	Luis Rodriguez	

1. Meeting was called to order at 9:32AM by Committee Chair, Robert (Bob) Hedden.
2. Meritage Expansion Up-date:
  - A. Meritage requested a delay in responding to GVWD's March 5<sup>th</sup> due date for a response on Meritage's expansion plans in Canoa Ranch. Delay requested based on Meritage's difficulty in resolving a sewer plan requirement.
  - B. Meritage sewer problem stems from the Developers not constructing the sewer line under the water line to the Rest Area. GVWD in their discussions with ADOT gave approval for that type of installation.
  - C. Pima County now not allowing the sewer line to be placed in the open area between the frontage road and I-19; GVWD will not allow the sewer line to be placed less than 10' from the water line center line; County now requiring the sewer line to be placed under I-19 in two places which is not feasible.
  - D. WLB Group asked GVWD if the District would entertain the idea of Meritage removing the existing water line, installing a sewer line, and reinstalling the water line at least 5' over the new sewer line per GVWD's construction specifications.
  - E. WLB request was discussed at the Managers Meeting. GVWD agreed to have WLB Group develop their proposal for GVWD to evaluate. Proposal would include hooking up the new 12" water line along Canoa Road, hooking up the new 8" water line to two (2) developments located east of Camino Del Sol, and extending the 12" water line under Atascosa Peak Drive for a loop around the expansion area. The 16" water line being proposed along GVWD's franchise area western boundary would be eliminated.
  - F. Above proposal in Item E would be required by April 5<sup>th</sup> and would include an expansion timeline.
3. Repair/Replace Pipeline in San Ignacio Heights:
  - A. GVWD has been experiencing a significant number of water leaks in the area's 6", 8", & 12" pipelines. (15 major water leaks in 15 yrs.)
  - B. Cause of the water leaks is primarily due to the type of plastic pipe installed (thin wall vs. heavy wall) and pipe not installed on sand but with back-fill full of rocks and other debris. This pipe was installed by the Developer in late 80's and early 90's.
  - C. GVWD had a local contractor (Dominguez Earthmovers) develop a proposal for replacing the pipeline in the major effected areas. Cost was about \$3.5m for about 12,000' of pipe.
  - D. "Slip Lining" the affected pipeline was suggested as a possible solution to the problem. This concept is used extensively in wastewater pipelines and has become more common in potable water lines.

- E. GVWD contacted a company that has developed a “slip lining” product being used extensively on the East Coast. They have developed a lining using a polymer that adheres to the wall of the existing pipe. This polymer has structural characteristics.
  - F. Cost to “slip line” a pipeline is estimated to be 65% of replacing the pipeline. This cost is based on doing at least 2500’ of pipe at a time.
  - G. GVWD is developing the information to have a proposal developed so a decision can be made on how to proceed with resolving the current problem.
4. RFQ for proposed Engineering Hydrology Study:
- A. WLB Group declined to submit proposal – conflict of interest due their development of Maritage Canoa Ranch expansion plans.
  - B. No proposals received on March 5<sup>th</sup> due date.
  - C. GVWD contacted both Stantec and Westland Resources and they indicated an interest in developing a proposal.
  - D. Contacted Riley Engineering and they expressed an interest in submitting a proposal.
  - E. Removed two (2) items from proposal since they had minimal interest at this time. Items removed was developing back-up water sources for the golf course wells & developing a proposal for utilizing GVWD’s newly acquired one (1) acre property.
  - F. Revised RFQ has been sent out to the three Engineering firms with a due date of April 15<sup>th</sup>.
  - G. Will discuss proposals during April Tech Committee Meeting.
5. Call to the Public.
6. Next meeting Monday, April 19, 2021 at 8:00AM.
7. The meeting was adjourned at 10:23AM.

**Green Valley Domestic Water Improvement District**