

**FOREST LAKES DOMESTIC WATER IMPROVEMENT DISTRICT**  
**WORK SESSION**  
**March 17, 2022**

The Forest Lakes DWID Work Session called to order by Chairman Joe Taylor at 10:00 am at The Water District Office. Present were Board Members: Bryan Hawk, Joe Taylor, Paul Studer, and Mary Hume. Staff member present Grant Cooper and Amy Belch.

**1. Discussion and Review of Future Projects with 6-inch or 8-inch Pipe, Purchasing Pipe Now or Later**

Mr. St. Germain recommends 6-in pipe instead of 8-inch pipe. Mr. Cooper states 6-inch pipe is sustainable but recommends 6-inch pipe on the interior of subdivision and 8-inch on the exterior of the subdivision. 8-inch C-900 pipe is \$26.95/FT. today and 6-inch C-900 pipe is \$15.73/FT. today. Mr. Cooper reports in 2014 8-inch C-900 was \$10.74/FT. and 6-inch was \$7.53/FT. In 2016 6-inch was \$3.45/FT. and 8-inch was \$5.89/FT. In 2019 8-inch was \$6.82/FT. and 6-inch was \$3.93/FT. In 2021 8-inch was \$13.81/FT and 6-inch was \$8.03/FT. Mr. Studer presented an excel spread sheet of projects by priority. Stating priority #1 is Sheep Springs Road totaling 1724FT at today's prices would be outrages.

Mr. Cooper presents to the board HDPE piping for future projects. Brought to him the day prior to this meeting. Mr. Cooper has contacted a couple different water districts to see if they are using HDPE piping. Pinetop DWID stated he is not but would like to come out at see the installation process if FLDWID went with it. Mr. Cooper explained 6-inch HDPE Pipe is \$5/FT. and 8-inch HDPE Pipe is \$7.50/FT. The Pipe fused together during installation and repaired with couplings.

Mr. Studer recommends to Mr. Cooper who is using the HDPE in Flagstaff. Mr. Cooper, the material has more tolerance than PVC. It is durable, flexible, and cheaper to install because of its narrow trench widths and boring installation. Mr. Cooper states as of today with HDPE pipe, no engineering, and installation cost would be \$330,000.00 for 1800/ft. Mr. St. Germain expressed his concern on it being higher than \$119/ft to \$183/ft. Mr. Cooper explained this is not a hard number, only for budgeting purposes. However, he anticipates more companies will go with the HDPE line because of the price. Mr. Taylor suggest everyone stop with the numbers and recommends Mr. Cooper bring a proposal to next board meeting.

**2. Discussion and Review of Well Sounder**

Mr. Cooper reports Well Sounder is \$1245.00 to purchase and having it done by contractor cost more than that. Mr. Cooper would like to use it after winter and after summer months and do a comparison. Mr. Dewalt from Automation Electric will come up here and show Mr. Cooper and Mr. Morehead how to operate the Well Sounder 2010 PRO. Mr. Cooper will supply lunch. Mr. Taylor recommends moving forward in purchasing Well Sounder 2010 Pro. Mr. Studer stated \$1245 is below Mr. Coopers threshold and no decision needed by the Board.

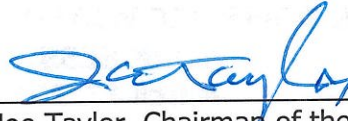
**3. Discuss and Review of Soft Starts for Boosters 3 and 4**

Mr. Cooper recommends soft starts for boosters three & four at the Post Office Well. The hammering on and hammering off during the summer months is not good for the system. Mr. Cooper states the cost is \$18,895 excluding tax and shipping. Shipping is 10-12 weeks from placing order. Mr. Studer recommends Mr. Copper purchase with board approval.

**4. Discussion and Review of RWAA Membership**

Mr. Cooper states he has concerns on the Rural Water Association of Arizona. First communication from the association, the quality of conference, and business information being shared. Mr. Cooper reminded the Board FLDWID does not have to be a member of RWAA to go to the conference to get the required PDH's for their certification. Mr. St. Germain expressed his disappointment from last conference as well. Mr. St. Germain recommends going to RWAA conference as a non-member and looking into try state.

Mr. Taylor Closed meeting at 11:04 am.  
Forest Lakes DWID  
Minutes By: Amy Belch



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Joe Taylor, Chairman of the Board



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Bryan Hawk, Secretary

21 APR 2022

Date