Diablo Vista Water System

MINUTES

DIABLO VISTA WATER SYSTEM
SPECIAL MEETING OF THE ADVISORY BOARD

Small Conference Room
100 Gregory Lane, Pleasant Hill, California 94523

January 23, 2014

MEMBERS PRESENT: Don Ortolan, Leslie Scatena, Jack Sciaroni, Phil Williamson, Mario Moreno, Steve Zalewski

MEMBERS ABSENT: Erich Berthold, Chair

GUEST PRESENT: Jordan Damerel, Environmental Engineer, MWH Global, Inc.

CALL TO ORDER: The meeting was called to order at 6:35 p.m. by Steve Zalewski.

PUBLIC COMMENT: None presented.

OLD BUSINESS:

Final Review and Discussion of Manifold and Pressure tank Replacement Project. Ascertain if System can be Maintained for Another year if Bidding, Manufacturing Specialty Items and Construction are not Completed by April's Turn-on date.

Jordan Damerel, Environmental Engineer with MWH Global, Inc., presented the Advisory Board with the updated and final design drawings for the pump station pipe replacement project (copy attached), and explained the biggest changes are: the elbow connection, removing the manifold and the hydro pneumatic tank and line connecting to the tank.

Grit is the most problematic. The new tank is a bladder-style hydro pneumatic tank, that can't do a blow off due to the rubber T and double valve system. A suggestion was to close the valve to the tank, open the valve to the canal, blow off the grit and return to normal, or remove the bolt head and clean out the tank. Maintenance is not required every year, but every 5-10 years. Jack suggested adding a 3rd valve to the right hand side for grit removal.

Jordan explained that most tanks these days are hydro pneumatic bladder-style tanks, where water in the same tank is not typical. So, when you want to recharge, bring the compressor in and charge it or every 5-10 years bring a hose to the unit and charge it, or bring in the compressor and leave it and remove the hard pipe.

Jordan asked where the best place is to connect the wireless remote sensor. It works on air pressure not water pressure, so it doesn't fluctuate so easily. Should DVWS change the current air pressure sensor to a water sensor? Jordan will coordinate with Brian Turner of ControlCom, and check with the manufacturer to see if they have anything for air pressure sensors.

Another concern is the congested space for fittings, elbows and tees, and the benefit of using plastic pipes is they don't have the range of fittings as steel pipes do.

Jordan asked if DVWS should remove the retired 40HP pump. Strategy is to pull the pump to give more room and flexibility if the engineer runs into a clearance issue. Mario suggested notifying the contractor that we are going to leave the pump there, and if the contractor is "off" in measurements, they can pull the pump to complete the design, and also to make sure DVWS includes this as a contingency in the contract.

Jordan mentioned having to align the 15 HP pump directly in line to the right, otherwise it's not able to reconfigure the check valve and angle. Jack suggested cutting out a hole and playing with the pipe as it's easy to realign.

Mario asked if the structure is concrete. He was told yes, and the size of the forms are 6" x 22' x 6'.

What are the requirements from CCWD for property access? DVWS is staying within its easement, and it is East Bay Regional Parks who will need to be contacted for a trail and canal (for the screen) permit. Mario mentioned informing the contractor that they will need to contact the Federal Bureau of Reclamation (CCWD), and putting a copy of those conditions in the plans. Jordan will check further on permit(s) requirements.

The entire screen assembly is scheduled to be removed, however, the question was raised if the intake cover will be hampered by the water level in the canal. Have the contractor put it off for now and in the future the screen can be taken out without affecting the system. Otherwise, it was suggested having the contractor contact CCWD to inform them DVWS needs a lower water line to access the screen.

Jordan explained the cost estimates are in two parts, and the range of accuracy as detailed is more or less at 15%. He presented DVWS with an estimate of $100,000 without the tank, and a separate estimate of $23,000 for the tank alone.

With the added new fittings, custom tees and connections without the tank came to $130,000. The manifold alone was challenging to get the price below the $100,000 limit. With that said, the total costs will run between $120,000-$170,000 after contract. Again, the challenge is the quantity of the materials, some custom fittings, as well as access and time constraints. Not included are the costs for five days of labor, and cutting the steel pipe and hauling it to the site.

Is there enough room on the trail to do the work? Should we allow people access to the trail during the duration of the work? Should we close the trail? Not the entire time – we can detour the trail – the adjacent property is East Bay Regional Parks, and the materials may not be so large to close/detour the trail. CCWD property is managed by East Bay Parks. DVWS does need to prepare the public with detour/closures as appropriate. Jordan will bring this up with the park district.

Are these costs negotiable? Based on Jordan's experience the range is from $130,000-$175,000, and in the bid packages use the base price with a 10%-15% range.

Mario questioned the timing and reminded the Board about the process of advertising for bids, the project having to pass Board approval, and authorization by City Council to approve and allocate funds. After discussing the steps that need to be taken from beginning to completion, it was decided to begin the planning process now and fully implement the project in the Fall.

Jack and Steve agreed the plans look good.

November 1 will be the earliest target date to begin construction. Notices to proceed on November 3 (being a Monday) need to be issued; one for procurement material and one to start construction.

Funding allocation to be put on the CIP project list with budget approval for these funds to be done in June. DVWS needs to present proposal for services, construction and fund allocation for upcoming budget cycle, and the City needs to be aware these funds are coming out of the Fund 82. Mario will notify the City.

DVWS needs to place a $200,000 ceiling cap on this project for head room, based on the best engineering estimate received, at a $175,000 maximum. Mario mentioned the allocation of $200,000 is a safety net in case the 4-week timeline runs over, and DVWS has extra monies to cover any unexpected expenses.

A motion was made by Steve Zalewski and seconded by Jack Sciaroni to approve the engineering plan and estimates not to exceed $200,000. After a call for discussion and a vote by Jack Sciaroni, the motion to approve the engineering plan and estimates passed unanimously.

Mario asked if the manifold will last between until December, and was told the internal pieces are okay, no temporary repair is needed at this time, and even though the system is in good operating order we cannot guarantee the manifold will last the entire 2014 season.

Other Business:

Jack asked about the possibility of water rationing this season. DVWS has not heard from CCWD, and if they do set forth a rationing policy, we can approach City Council and ask for assistance in setting up a rationing policy to minimize the impact of our constituents. Further discussion will be addressed at the next Advisory meeting on March 18.

There being no further business presented before the Board, the meeting was adjourned at 7:45 p.m.

Respectfully submitted by: _____
Leslie Scatena, Secretary