

CARSON WATER SUBCONSERVANCY DISTRICT
BOARD OF DIRECTORS MEETING
June 15, 2016, 6:30 P.M.
Minutes

Directors present:

Karen Abowd, Vice Chairman
Brad Bonkowski
Ray Fierro, Treasurer
Don Frensdorff
Don Jardine
Doug Johnson
Greg Lynn, Chairman
Barry Penzel
Ernie Schank
Fred Stodieck

Directors not present:

Carl Erquiaga
Austin Osborne, Storey County representative
Mary Rawson
Chuck Roberts

Staff present:

George Benesch, Legal Counsel
Brenda Hunt, Watershed Program Manager
Edwin James, General Manager
Toni Leffler, Administrative Assistant/Secretary to the Board
Debbie Neddenriep, Water Resource Specialist

Also present:

Rob Anderson, R.O. Anderson Engineering
Erik Nilssen, Douglas County
Larry Schmidt, resident

Chairman Lynn called the meeting to order at 6:32 p.m. at the Carson Valley Improvement Club (CVIC) Hall, 1604 Esmeralda Ave., #100, Minden, NV. The CWSD/Alpine County Joint Powers Board was convened. Roll call was taken and a quorum was determined to be present. The Pledge of Allegiance was lead by Director Schank.

Item #5 - Approval of Agenda. *Director Penzel made the motion to approve the agenda as amended. The motion was seconded by Director Fierro and unanimously approved by the Board.*

Item #6 - Approval of the Board Meeting Minutes from May 18, 2016. *Director Penzel made the motion to approve the Minutes of the Board Meeting on May 18, 2016. The motion was seconded by Director Stodieck and unanimously approved by the Board, with Directors Frensdorff, Lynn, and Schank abstaining for not having been present at that meeting.*

Item #7 - Public Comment - None.

CONSENT AGENDA

Item #8 - Approval of Treasurer's Report for May 2016. -

Item #9 - Payment of Bills for May 2016.

Item #10 - Discussion for possible action regarding approval of the Agreement #2016-4 with River Wranglers for the Carson River Work Days and Vegetation Management Projects.

Item #11 - Discussion for possible action regarding approval of Agreement #2016-5 with Alpine Watershed Group to Help Fund the Upper Carson River Watershed Programs.

Item #12 - Discussion for possible action regarding approval of an Addendum to Interlocal Contract #2015-4 with Carson Valley Conservation District for Bioengineering and Erosion Control Along the Carson River through Carson Valley.

Item #13 - Discussion for possible action regarding approval of a Second Addendum to Interlocal Contract #2014-8 with Dayton Valley Conservation District for Middle Carson River Clearing, Snagging, and Maintenance Projects.

Item #14 - Discussion for possible action regarding approval of Interlocal Contract #2016-6 with Dayton Valley Conservation District for Noxious Weed Control in Storey County.

Item #15 - Discussion for possible action regarding approval of Interlocal Contract #2016-7 with Lahontan Conservation District for Clearing and Snagging on the Carson River Below the Diversion Dam.

Item #16 - Discussion for possible action regarding approval of Interlocal Contract #2016-8 with Douglas County to Help Cover Some of the Costs to Construct a New Well in the Sierra Country Estates.

Item #17 - Discussion for possible action regarding approval of Interlocal Contract #2016-9 with Carson Valley Conservation District for Clearing and Snagging and Vegetation Management Along the Carson River through Carson Valley and Carson City.

Item #18 - Discussion for possible action regarding approval of Interlocal Contract #2016-10 with Churchill County to Assist in the Dixie Valley Water Level Measurement and Precipitation Gage Monitoring Program.

Item #19 - Discussion for possible action regarding approval of Interlocal Contract #2016-11 with Lyon County to Assist with USGS Maintenance Costs for New River Gauge in Dayton (#10311750).

Item #20 - Discussion for possible action regarding approval of an Agreement #2016-12 with Sierra Nevada Journeys to Help Fund Four "Family Watershed Nights."

Item #21 - Discussion for possible action regarding approval of Interlocal Contract #2016-3 with Carson City for the Golden Eagle Lane Erosion Control Project.

Director Schank made the motion to approve the consent agenda, including items #8-21. The motion was seconded by Director Penzel and unanimously approved by the Board.

****END OF CONSENT AGENDA****

Since Mr. Anderson's presentation was not ready, Item #22 was postponed until later on the agenda.

Item #23 - Discussion for possible action regarding an update on the June 7-8, 2016, "Get on the Bus" Watershed Tour. Brenda Hunt mentioned that the bus tour was well received by 43 participants. Sponsors included Vidler Water Company for \$600, Michael Baker International for \$600, HDR for \$200, Cardno for \$325, and Smith's Food and Drugs for a \$50 gift certificate. There were 38 speakers for the complex agenda. Evaluations were mostly positive despite having to tolerate two particularly hot days. Director Schank got high marks for his presentation. Next year staff may schedule the tour for the beginning of May instead of the beginning of June in hope of it being cooler. Teachers may still be able to come. Director Schank suggested having it on a Friday and Saturday so that people only had to take one day off work. Ms. Hunt noted the variety of people from different agencies than have attended in the past (Stagecoach GID, BOR, State Parks, EPA, ACOE). Ms. Hunt requested suggestions of new places to go. Mr. James noted that some of our videos need to be updated with the current Board and talk about things that have already happened.

Item #25 - Staff Reports

General Manager - Mr. James reported: 1) Last week he went to Dyre, NV to give a presentation to the Legislative Subcommittee on Water. They are looking at proposed legislation. The subcommittee will hold one more in Pahrump, then hold a workshop. At the workshop we can propose changes we would like to see to Nevada Water Law. Mr. James stressed the importance of treading softly about changing Water Law. Staff will bring back with more to the Board at the August meeting. 2) The CWSD Administrative Committee will need to have a meeting end of July. 3) Staff is finishing up the FEMA MAS #7 application. FEMA is putting more and more requirements on grant reporting.

Ms. Hunt reported: 1) She recently attended an aquatic invasive species meeting. Nevada is working on a state-wide Invasive Species Management Plan with Nevada Department of Wildlife (NDOW) taking the lead. CWSD staff will be on the committee. Their timeline is having a final report to the Task Force created under Federal legislation in the Spring of 2017 when they meet in the west.

Staff showed the Heenan Lake spawning of the Lahontan Cutthroat Trout video which Shane Fryer put together after interviewing California Fish and Wildlife personnel.

Legal –Mr. Benesch had nothing in particular to report.

Correspondence – As handed out at the meeting.

Item #22 - Discussion for possible action regarding a presentation by Rob Anderson of R.O. Anderson Engineering regarding the Stephanie Way Flood Control Project Feasibility Study. Rob Anderson, principal engineering of R.O. Anderson Engineering, gave a PowerPoint presentation. Stephanie Way is east of the easterly most development in the area in Carson Valley. There are two sub-watersheds in part of the Johnson Lane Wash, east of Romero Drive and Stephanie Way extended. The area of study is 416 acres. The problem is that while the drainage area is relatively small the watershed has deposited a tremendous amount of sediment in the property subdivisions below. They are not in the primary flood zone. Mr. Anderson explained that with Erik Nilssen's foresight the feasibility study was ordered to determine how to solve this problem. Mr. Anderson showed maps of the watershed east of Romero Drive which includes an electric substation. There is an effective floodplain for Buckbrush Wash but homes outside the floodplain along Stephanie Lane were impacted. The study explored the feasibility of constructing a flood control reservoir.

Mr. Anderson showed a picture near Hot Springs Mountain south. This site is relatively unique because two watersheds discharge at Stephanie Lane and need to be captured. The solution derived is a flood control basin doing inter-tied ponds with one primary outlet and one emergency outlet discharging to its historic point of discharge on the south side of the project. Downstream the two drainages come together after they deposit sediment amidst houses in the subdivision. The Flood Insurance Rate Map does not require flood insurance because it is in the 500 yr. floodplain. When they developed the area, developers knew to stay away from Buckbrush Wash but not this area. The project is a dual basin with a dike to impound the water in the detention basins. It provides impoundment in a 100-yr event with an outlet structure and metering facility. A stage storage volume graph showed 13' depth of top of riser, 15' depth at spillway invert, and 19' depth at reservoir crest. The preliminary estimate of cost is \$1,337,600 with the required community match requirement of 25% which equals \$334,400. However, providing a larger match amount increases your chances of getting the loan. The benefit to cost analysis is 1.90. Mr. Nilssen said that Douglas County spent about \$3 million in clean up costs over the past two years, so \$334,400 match to accomplish this project is reasonable. The project is designed with dead pool storage.

Director Schank asked the cost of maintaining this project. Mr. Anderson responded that it is less costly for Douglas County Public Works to do clean out at one single location than throughout a neighborhood. Director Penzel asked if the water would get to the river. Mr. Anderson answered that no study has been done but his engineering experience says no. Director Penzel expressed his concern over the sediment getting to the river. Mr. Anderson explained that the sediment will drop off at a flat spot in the land. Director Penzel asked what the maximum flow is before it floods. Mr. Anderson responded that it is minimal at amount of two to three cfs. Director Stodieck suggested piping it to agricultural land.

Director Lynn noted that the problem is being able to budget to remove sediment more than the actual sediment removal. Heavy aggregates drop out early but there is no use for the fine sediment. Sediment yield estimates: two-yr. event of 30 cfs peak flow produces 1,150 tons; a 10-yr. event increases the sediment to 11,210 tons; and a 100-yr. event produces 48,090 tons of sediment.

Findings and conclusions. The preferred alternative identifies normal storage of 28.1 af with a storage capacity of 61.3 af at dam crest. The primary outlet works are 13' tall. The project would be eligible for Hazard Mitigation Grant funding of \$1.3 million. This project is

considered a feasible project worthy of pursuing further. Mr. Anderson suggested making it a priority. Mr. Nilssen explained that this gives an idea of what can be done to help 300 properties, with neighboring properties flow reduced by 30%. Mr. James mentioned that flooding in this area is caused by high-intensity isolated area storms. A challenge is that another time the storm may be in another area.

Conservation efforts could be improved above the suggested basins to reduce sediment. Mr. Anderson noted that his office gets calls from private landowners who are starting to solicit and implement their own solutions which could negatively impact their neighbor. He recently participated in a neighborhood meeting and residents are willing to participate in helping fix the problem. Director Penzel noted that residents will have to pay for this project or it will have to come from the Douglas County General Fund. George Benesch pointed out that at least the analysis gives figures to work with.

No action required on this item; receive and file.

Item #26 - Directors' Reports

Director Jardine reported that Alpine County Board of Supervisors was dealing with taxes so he couldn't attend the bus tour. He is looking forward to the Pony Express coming through Woodfords at 9:00 a.m. on June 16, 2016.

None of the other directors had anything specific to report.

Item #16 - Public Comment. None

There being no further business to come before the Board, Director Schank made the motion to adjourn, seconded by Director Abowd. The meeting was adjourned at 7:40 p.m.

Respectfully submitted,

Toni Leffler
Secretary