

CARSON CITY STORM DRAINAGE ADVISORY COMMITTEE
Minutes of the October 12, 1998 Meeting
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A regular meeting of the Carson City Storm Drainage Advisory Committee was held on Monday, October 12, 1998 in the City Hall Capitol Conference Room, 201 N. Carson St., Carson City, NV at 5:30 p.m.

PRESENT: Vice Chairperson Howard Anderson
James Bawden
Robert Hilderbrand
Russell Plume

STAFF: Tim Homann, Deputy Public Works Director
Fran Smith, Recording Secretary
(SDAC 10/12/98 1-0000.5)

NOTE - Unless otherwise indicated each item was introduced by Vice Chairperson Anderson. Individuals speaking are identified following the heading of each item. A tape recording of these proceedings is on file in the Clerk-Recorder's office. This tape is available for review and inspection during normal business hours.

A. CALL TO ORDER - Vice Chairperson Anderson called the meeting to order at 5:43 p.m. A roll call was taken and a quorum was present although Chairperson Aldean and Members Oakwood and Perry were absent.

B. APPROVAL OF MINUTES - None.

C. MODIFICATION OF AGENDA - None.

D. PUBLIC COMMENT - None.

E. DISCLOSURES - None.

F. PUBLIC HEARINGS

F-1 DISCUSSION AND REVIEW OF STORM DRAINAGE LEVEL OF PROTECTION CRITERIA - (1-0029.5) Mark Forest of WRC - Mr. Homann provided copies of the memo from Mr. Forest of WRC relating to their evaluation of several alternatives for detention and conveyance improvements for the drainage starting in the northwest corner of the City. Mr. Homann commented that the Committee would be considering these issues and felt there is a need for them to understand the criteria. Mr. Forest explained that Mr. St. John had asked WRC to put together a memo summarizing the design criteria to be used by other jurisdictions. He added that they had prepared drainage criteria manuals for eighteen other communities. He felt it is important to distinguish between storm drain design and major flood control design criteria. He commented that streets are designed to convey nuisance water drainage which is associated with frequent events and explained how this is mitigated. He also said major storm criteria generally applies to keeping the water either out of a major arterial or crossing a roadway. He then said on major flood channels the design standard that is applied is for a hundred year event. He noted that the hundred year events could be impacted by FEMA and also explained the requirements for flood insurance. He also talked about roadway design and referred to their table included with the memo and explained the criteria. He also noted that many engineers are opting to design their storm drain systems for subdivisions for hundred year events because it makes it easier to handle although it is more expensive to put in larger pipe but better than trying to get the water off streets and into channels. Mr. Homann said what the Committee would be deciding is an economic option, i.e., should the City go back and retrofit for an underground system or during certain events should the streets be allowed to flood and contained as much as possible. He felt these things are reasons why the criteria should be established. He also commented that the Committee represents the community and said staff was looking to them for input from the public. He noted that staff was sensitizing the Committee to the philosophical issues. No formal action was taken.

F-2 DISCUSSION AND POSSIBLE ACTION ON DESIGN PROGRESS AND RECOMMENDATIONS FOR THE COMBS CANYON AND EAGLE VALLEY CREEK DRAINAGES FOR THE NEVADA DEPARTMENT OF TRANSPORTATION - (1-0341.5) Mr. Homann said Mr. St. John had agendized this if perhaps action was to be taken. He was not sure there was a need but said this would be a

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status report and suggested that Mr. Forest review what he is doing. Mr. Forest said basically the idea of detention had been approved. He added that the original alternatives WRC had developed for the Carson City Master Plan effort in association with the bypass improvements considered detention on several of major drainages including Combs, Vicee, Ash and Kings Canyons. He noted that other sites had been looked at such as Goni Canyon but it had been determined it was not feasible to pursue consideration. He also said they had again looked at the northwest section of the City relative to the impact on the bypass. He added that Silver Oak has constructed several of detention basins which could contain flows from Combs Canyon and their development. He commented that the City had asked WRC to look at revising the models for the bypass to reflect the Combs detention as provided by Silver Oak and see what it would take to retrofit them to meet NDOT criteria. He said they had determined the basins did a good job in containing Combs. He noted they had also started looking at whether there were opportunities to re-direct some of the flows that are currently intercepted by 395. He also said NDOT is looking at constructing a detention basin in the gravel pit on the north side of 395. Member Plume asked if Timberline was included in the Combs Canyon drainage and Mr. Forest said it was and is being diverted to Silver Oak. He then said they had also looked at the possibility of expanding the Shenandoah Heights retention basins and making them detention basins. He noted they are preparing the cost estimates for the improvements which include the retrofit, the Silver Oak basins, Combs Canyon and Timberline sites. He said the Eagle Valley basin on the Childrens Home property will be considered in a baseline condition. He added his belief they should have a draft report on the estimates in two or three weeks. Mr. Homann said preliminary cost assumptions did not take into account some of the efforts and the storm drainage facilities and that they are considerably higher than what is believed can be done. He also said an agreement with NDOT had been discussed where there was an estimate of \$1.4 million. However, at this point it looks like it will be considerably more. He added that NDOT may have additional funds from their budget that could be available for some of this work. No formal action was taken.

F-3 DISCUSSION AND POSSIBLE ACTION TO CONSIDER A POSSIBLE DISCUSSION WORKSHOP FOR THE ADVISORY COMMITTEE - (1-0615.5) Mr. Homann said this would have to be put off until Chairperson Aldean was present. He explained that Chairperson Aldean has some specific ideas he wanted to present to the Committee. He also explained for the Committee that all their meetings do not have to be agendized for action but rather can be workshops where they can discuss issues but not necessarily take action. He suggested possibly setting up a six month calendar during which they can set approximate dates for subjects they want to discuss.

G. INTERNAL COMMUNICATIONS AND ADMINISTRATIVE MATTERS (NON-ACTION)

G-1 Committee Member Reports - None.

G-2 Staff Reports - None.

G-3 Future Agenda Items - Discussion ensued on a meeting schedule. The Members agreed they had determined they would meet on the second Monday of each month. Mr. Homann said staff would handle the reservations for the meeting room.

Vice Chairperson Anderson asked for an update at the next meeting on the agreement with the State that Mr. Homann had mentioned previously.

Member Plume said he would like a review of what the storm drainage system in the City looks like. Mr. Homann said staff is working on a map and that he would bring it to the Committee when it is available.

H. ADJOURNMENT - There being no further business Member Hilderbrand moved to adjourn. Member Plume seconded the motion. Motion carried 4-0-3-0. Vice Chairperson Anderson adjourned the meeting at 6:35 p.m.

The Minutes of the October 12, 1998 meeting of the Carson City Storm Drainage Advisory Committee

ARE SO APPROVED__11/9___, 1998

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/s _____
Jay Aldean, Chairperson