

CARSON CITY STORM DRAINAGE ADVISORY COMMITTEE

Minutes of the September 29, 1998 Meeting

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A regular meeting of the Carson City Storm Drainage Advisory Committee was held on Tuesday, September 29, 1998 in the City Hall Capitol Conference Room, 201 N. Carson St., Carson City, NV at 5:30 p.m.

PRESENT: Chairperson Jay Aldean
Vice Chairperson Howard Anderson
James Bawden
Robert Hilderbrand
Susan Oakwood
Delacy Perry
Russell Plume

STAFF: Dan St. John, Assistant City Manager
Fran Smith, Recording Secretary
(SDAC 9/29/98 1-0000.5)

NOTE - Unless otherwise indicated each item was introduced by Chairperson Aldean. 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 - Chairperson Aldean called the meeting to order at 5:33 p.m. A roll call was taken and a quorum was present although Member Oakwood did not arrive until 5:41 p.m. and Member Perry arrived at 6:01 p.m.

B. APPROVAL OF MINUTES - None.

C. MODIFICATION OF AGENDA - None.

D. PUBLIC COMMENT - (1-0019.5) Tony Marangi said when the curbs and gutters were put in where he lives on Lompa Lane it helped a lot. However, he added the area next to him does not and felt that is part of the problem because there is no place for the water to go.

E. DISCLOSURES - None.

At this point Mr. St. John suggested that the Committee talk about their meeting schedule. Discussion clarified their desire to meet once a month and they agreed their next meeting would be October 12 at 5:30 p.m. Mr. St. John commented if the Committee was going to meet their schedule of action they needed to make a recommendation by the middle or end of October.

Member Oakwood arrived at this point.

F. PUBLIC HEARINGS

F-1 DISCUSSION AND PRESENTATION ON BASIC CONCEPTS, TERMINOLOGY AND DEFINITIONS OF HYDRAULICS/HYDROLOGY AND F-2 INTRODUCTION OF STORM DRAINAGE LEVELS OF PROTECTION CRITERIA AND STORM DRAINAGE STANDARDS - (1-0107.5) Paul Lumos of Lumos and Associates - Mark Forrest of WRC - Mr. St. John said WRC had been selected by NDOT to do the final drainage design for the bypass. He explained that WRC has been working for three years on hydrology, runoff, etc. He added that the City had also contributed quite a bit to those services since they would be benefitting. He also commented that the hydrology analysis is for both phases of the bypass although WRC is currently concentrating on the first leg.

(1-0151.5) Mr. St. John felt the Committee should spend some time discussing concepts. He said the two basics of hydrology are the study of rainfall and surface flows. He had a computer slide presentation which he extensively reviewed visually and verbally. Subjects included: rainfall totals, intensity, duration, runoff, 100, 25, 10 year

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events, slopes, soil types, types of surfaces and how they affect runoff, condition of soil at time of a storm, flow, a storm water management system, channels, culverts, detention and retention basins, levels of protection at diverse areas, looking at what other communities do in similar situations, drainage to the Lompa Ranch, drainage to the bypass, the possibility of Silver Oak building their own detention basin, sediment and how it is handled, first flush and contaminants as explained by Mr. Forrest, cooperation with NDOT, environmental issues, water quality, agreements with property owners, and the need to act expeditiously.

F-3 DISCUSSION AND POSSIBLE ACTION ON RECOMMENDATIONS TO THE NEVADA DEPARTMENT OF TRANSPORTATION ON THE DESIGN OF THE STORM WATER SYSTEM FOR THE COMBS CANYON AND EAGLE VALLEY CREEK DRAINAGES - (1-1515.5) Chairperson Aldean emphasized the need to take action at this meeting so it could then go the Board of Supervisors to act on in an expeditious manner. Member Oakwood expressed a concern with taking action so rapidly since this was only the second meeting for the Committee. She felt they should be given more information before acting. Mr. St. John said the City is under pressure because of the bypass as it affects these basins in the northwest section and the picture as a whole. He then explained how the City could actually save money by working with NDOT on these projects. Member Oakwood asked if there was a way to insure the proposals for the holding ponds would work. Mr. St. John said the technology for this process is proven and should work if it is designed and maintained correctly. Chairperson Aldean then said the system would work according to the assumptions made by the engineers when they designed the facilities. He added they would hold the water as is said they would and the channels will disperse the water which they have been calculated to handle. He said the biggest problem is determining how much water will ever be there and when it would be there. He felt that priorities need to be established on the construction of the facilities and that recommendations need to be made to the Board on the design. He felt it could probably be a year before these are developed. Member Hilderbrand said he personally did not feel he has enough information at this point. Mr. St. John felt perhaps just a general stamp of approval could be sent to the Board. Chairperson Aldean felt that the Committee could table a decision until the next meeting and asked the Members to let Mr. St. Johns know of any objections they have or present any questions to him in the meantime. Member Plume expressed his feeling that the City could not afford to pass up the opportunity. Vice Chairperson Anderson said he did not see any way the City could afford to handle the water other than the detention basins. Member Hilderbrand moved that the Committee proceed with the recommendation to the Board that the City proceed in pursuing the construction and/or design for the storm drain facilities discussed on the Combs Canyon and Eagle Valley drainage system. Member Plume seconded the motion. Motion carried 7-0-0-0.

Member Perry had arrived during this discussion.

F-4 STATUS REPORT ON THE CARSON CITY STORM WATER ENGINEERING AND CONSTRUCTION PROJECTS AND MASTER PLANNING PROCESS - (1-2035.5) Mr. St. John visually pointed out the areas of the projects and said they are approximately fifty percent done and anticipated completion within four weeks.

F-5 PRESENTATION OF DRAINAGE MAP SHOWING PROBLEM AREAS - (1-2095.5) Mr. St. John said a map is being prepared which shows 27 areas noting a lot of them are nuisance areas and a lot are part of the chronic master drainage problem. Chairperson Aldean felt the map would be important to the Committee because they could use it to establish priorities and explained. Mr. St. John said he had reviewed a study of the 1986 flood and said he would like to bring that to the Committee. He felt the knowledge gained by that episode could be used. Member Perry asked if drainage has been studied on the Graves Lane extension. Chairperson Aldean said all areas have been looked at. Mr. St. John said the road is actually going to be an NDOT road although the City is building it and giving it to NDOT in return for Arrowhead. He added it would have to be designed to NDOT criteria. He also said the completion of the Graves Lane project is anticipated to be in two years.

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

G-1 Committee Member Reports - None.

G-2 Staff Reports - (1-2195.5) Mr. St. John provided copies of his memo relating to the master storm

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water drainage planning process. He also provided copies of a WRC memo which talked about drainage design criteria for storm drainage and street flow. He felt these could present the Members with a lot of good information.

He then said the Vice Canyon contract had been let and expected construction to start momentarily.

G-3 Future Agenda Items - Previously discussed.

G-4 Future Meeting Dates and Times - Previously discussed.

H. ADJOURNMENT - There being no further business Member Oakwood moved to adjourn. Member Anderson seconded the motion. motion carried 7-0-0-0. Chairperson Aldean adjourned the meeting at 7:41 p.m.

The Minutes of the September 29, 1998 meeting of the Storm Drainage Advisory Committee

ARE SO APPROVED 11/9/98, 1998

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/s/ _____
Jay Aldean, Chairperson