

**CARSON CITY STORM DRAINAGE ADVISORY COMMITTEE**  
**Minutes of the September 13, 1999 Meeting**  
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A regular meeting of the Carson City Storm Drainage Advisory Committee was held at 5:30 p.m. on Monday, September 13, 1999 in the City Hall Capitol Conference Room, 201 North Carson Street, Carson City, Nevada.

**PRESENT:** Chairperson Jay Aldean  
Vice Chairperson Howard Anderson  
Delacy Perry  
Russell Plume

**STAFF:** Mahmood Azad, Development Services Manager  
Juan Guzman, Senior Planner, Community Development  
Kathleen King, Recording Secretary  
(SDAC 09/13/99; Tape 1-0001)

**NOTE:** Unless indicated otherwise, each item was introduced by Chairperson Aldean. A tape recording of these proceedings is on file in the Clerk-Recorder's Office and is available for review and inspection during regular business hours.

**A. ROLL CALL AND DETERMINATION OF A QUORUM (1-0002)** - Vice Chairperson Anderson called the meeting to order at 5:43 p.m. Roll call was taken. A quorum was not present until Chairperson Aldean's arrival at 5:47 p.m. Members Bawden, Hildebrand, and Oakwood were absent.

**B. APPROVAL OF MINUTES (1-0327)** - Member Plume moved to approve the minutes of June 23, 1999, July 12, 1999, and August 19, 1999. Vice Chairperson Anderson seconded the motion. Motion carried 4-0-3-0.

**C. MODIFICATION OF AGENDA (1-0378)** - None.

**D. PUBLIC COMMENT (1-0014)** - Vice Chairperson Anderson explained the purpose of the Storm Drainage Advisory Committee to the guests present: Chris Knight and R.H. Campbell, two boy scouts from Troop 145, and Mrs. Laura Campbell. He introduced Mr. Azad and explained his position as related to the City and to the Committee. (1-0348) Chairperson Aldean recognized the boy scouts present.

**E. DISCLOSURES (1-0374)** - None.

**F. PUBLIC MEETING ITEM**

**F-1. DISCUSSION AND ACTION ON REVIEW OF LAND USES FOR THE CARSON CITY MUNICIPAL CODE (CCMC) TITLE 18 (ZONING) "PUBLIC" (P) ZONING DISTRICT (1-0046)** - Mr. Guzman explained his assignment from the Board of Supervisors to address every committee having anything to do with public zoned land within Carson City. He explained Sierra Pacific Power Company's request to construct a utility substation in the northwest/ northeast quadrant of Carson City, and solicited comments from the Committee members regarding amending the public zoning district to allow utility substations. (Chairperson Aldean arrived at 5:47 p.m. A quorum was present.) Mr. Guzman explained that 18 uses are currently allowed in the public zoning district, including sewer plants, water treatment facilities, and drainage basins. Community Development proposes to divide the public zoning district into three categories: Public Neighborhood, i.e., elementary schools; Public Community, i.e., high schools; and Public Regional, i.e., hospitals, substations. He requested the Committee members consider this proposal and contact him at the office of Community Development to convey their thoughts. Community Development will draft a written proposal once all input has been received. Mr. Guzman responded to questions from the Committee, including an explanation of the special use permit process and the noticing requirements for the same. Vice Chairperson Anderson discussed the effect substations have on properties further away than 300'. Discussion regarding transfer stations for refuse and solid waste followed, and Mr. Guzman advised that such facilities are not allowed within the public zoning district. The zoning

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for Carson City's transfer stations is conservation reserve. Chairperson Aldean suggested that detention facilities be placed in the public regional category to ensure public notice covers a broader area. Discussion regarding application of the special use permit process to projects such as minimal channelization followed. Chairperson Aldean thanked Mr. Guzman for his presentation. No formal action was taken.

**F-2. DISCUSSION AND PRESENTATION OF GRAPHICS FOR LEVEL OF PROTECTION AS REQUESTED BY THE COMMITTEE (1-0381)** - Mr. Azad displayed graphic presentations of levels of protection during 10-year storms and 100-year storms. These corresponded with the Selected Adopted Drainage Design Criteria table which was distributed at the public meeting on August 9, 1999. Mr. Azad reviewed the graphics and discussed the levels of protection depicted for local, collector and arterial streets. The Committee members commended Mr. Azad on the graphic displays, and reviewed the corresponding Drainage Design Criteria table. Discussion regarding application of the levels of protection for streets without curbs and sidewalks followed, and Chairperson Aldean diagramed an example of the same. He then discussed proposed criteria for levels of protection, i.e., 10-year storm flows must remain within the street right-of-way; 100-year storm flows can pass over the right-of-way but cannot come within a certain distance of the floor of a house. He requested that staff work with the engineering/development community to develop specific criteria for presentation to the public via the newspaper. The standards would be applied to new and retrofit projects, with the Board of Supervisors having the responsibility of deciding the application of lesser standards depending on cost and feasibility of projects. Discussion ensued regarding existing streets, such as Edmonds Drive, which already comply with the standard; and retrofit projects. Chairperson Aldean listed proposed criteria for staff and the engineering/development community to translate into a manual, as follows: (1) Local, collector, arterial streets - How water would flow through a community; (2) Protection of private property - For water flowing in the streets/parallel to the streets; (3) Cross flow/culvert crossings - What can be expected for low water crossings? Will there be dangerous situations? How would upgrades along Washington Street or Kings Canyon be handled?; (4) FEMA flood plain - How will it play into the criteria? Should the standard be different if there is no FEMA-recognized flood plain? Mark Rotter discussed levels of protection, and the issue of changing from criteria for five-year events to criteria for ten-year events. Discussion ensued with regard to the inverted crown design for areas such as Ash Canyon and King Street. Chairperson Aldean clarified that the items listed need to be identified for major storms and minor storms. His list continued: (5) Ground water - What a homeowner should be able to expect when purchasing a home in Carson City. Testing should be done and certain assertions or disclosures made in the report. Mr. Azad advised that staff is exploring the possibility of saddle connects into the storm drainage facilities into which homeowners could pump their sumps. Discussion regarding ground water criteria, dewatering, French drains, determining regional conveyance streets, and constructing a box culvert through town followed. Chairperson Aldean pointed out that FEMA flood zones, as well as regional conveyance streets, can be designated by name. His list continued: (6) Detention facilities - What can people downstream of a City facility expect during low flows, high flows, and catastrophic storms? Mr. Azad pointed out that Chairperson Aldean's list could be translated into a scope of work for the master plan consultant. City staff has discussed, with WRC Nevada, the proposal of developing the entire master plan. The first step would have been to develop a scope of work, and request a budgetary estimate for approval by the Board of Supervisors. Chairperson Aldean clarified that the request was for staff to translate the list into diagrams/graphic representations. Discussion regarding the process by which the criteria would be translated into lay terms, diagrams and graphics followed. Mr. Azad explained the responsibilities of the Capital Projects Manager, Andrew Burnham, and suggested inviting Mr. Burnham to make a presentation at the next meeting. Chairperson Aldean provided further clarification of the list as to specific expectations of homeowners, citizens, etc. and provided examples of the same. Discussion ensued with regard to the costs associated with the proposed criteria, the Board of Supervisors responsibility for decisions on variances, and evacuation time for detention facilities.

Member Perry left the meeting at 6:53 p.m. A quorum was no longer present.

**F-3. DISCUSSION AND COMMENTS ON "FINAL DRAFT" OF AREA AND NEIGHBORHOOD MEETINGS REPORT (1-1341)** - Member Plume commended Mr. Azad on the report and discussed the ramifications of the City using Winnie Lane to divert water from Vicee Canyon.

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Mr. Azad explained that the optimum solution for Vicee Canyon is to run the outlet from the detention facility down Winnie Lane and into the Goni Wash area. He advised that any changes the Committee wishes to have made to the report should be submitted within the next week.

**F-4. DISCUSSION AND COMMENTS ON PRELIMINARY SCHEDULE FOR THE STORM DRAINAGE MASTER PLAN (1-1390)** - Mr. Azad discussed the proposed time line for developing the storm drainage master plan, and explained that because of City staff's commitments for the freeway project and other projects, the master plan schedule has been extended out. In doing so, he is keeping in mind that the terms for the Storm Drainage Advisory Committee members expire in August 2000. The final master plan presentation to the Board of Supervisors will be changed to August, presentation of the draft master plan will be moved to April 2000, and the public process will be changed to a one-month period of time. Discussion regarding canvassing the Committee members regarding their continued interest and involvement followed, and Chairperson Aldean requested that staff draft a letter for his signature. Mr. Azad advised of his eventual unavailability, due to his wife's upcoming delivery of their baby, at the end of September or beginning of October. He believes the master plan scope development deadline of November 1999 can be easily met.

**G. INTERNAL COMMUNICATIONS AND ADMINISTRATIVE MATTERS**

**G-1. FUTURE AGENDA ITEMS (1-1611)** - Mr. Azad acknowledged that criteria could be developed from Chairperson Aldean's list by the next meeting. He will invite Mr. Burnham to make a presentation on development standards.

**H. ADJOURNMENT (1-1632)** - The meeting adjourned by mutual consent at 7:07 p.m.

The Minutes of the September 13, 1999 Carson City Storm Drainage Advisory Committee are so approved this \_\_\_\_\_ day of October, 1999.

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JAY ALDEAN, Chairperson