

CARSON CITY STORM DRAINAGE ADVISORY COMMITTEE

Minutes of the May 8, 2000 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, May 8, 2000 in the City Hall Capitol Conference Room, 201 North Carson Street, Carson City, Nevada.

PRESENT: Chairperson Jay Aldean

Vice Chairperson Howard Anderson

James Bawden

Susan Oakwood

Delacy Perry

Russell Plume

Robert Saunders

STAFF: Mahmood Azad, Development Services Manager

Kathleen King, Recording Secretary

(SDAC 05/08/00; 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 (1-0001) - Chairperson Aldean called the meeting to order at 5:35 p.m. Roll call was taken; a quorum was present. Tom Young, of Lumos & Associates, and Randy Bowling were also present. Chairperson Aldean introduced Member Saunders. Member Saunders provided information on his background and experience. At the request of Chairperson Aldean, each member introduced themselves and provided information on their background and experience.

B. APPROVAL OF MINUTES - JANUARY 10, 2000; FEBRUARY 14, 2000; FEBRUARY 28, 2000; AND APRIL 10, 2000 (1-0098) - Member Perry moved to approve the minutes as presented. Member Oakwood seconded the motion. Motion carried 7-0.

C. MODIFICATION OF AGENDA (1-0091) - None.

D. PUBLIC COMMENT (1-0092) - None.

E. DISCLOSURES - None.

F. PUBLIC MEETING ITEMS

F-1. DISCUSSION AND PRESENTATION OF A STATUS REPORT BY HOWARD ANDERSON ON VICEE CANYON DRAINAGE (1-0115) - Vice Chairperson Anderson advised of a meeting between Mr. Azad and the contractor and design engineer of the Vicee Canyon project. He displayed photographs and provided descriptions and pertinent information for each. Mr. Azad explained the route of the water depicted in the photographs. Discussion took place regarding homeowners who have

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been diverting water, and Vice Chairperson Anderson pointed out erosion which has been taking place along Murphy Drive. He explained that because of the type of soil on Murphy Drive, a small amount of water will cause erosion.

In response to a question regarding the involvement of WNCC, Mr. Azad advised that the extension of Murphy Drive, which is now an embankment that reroutes drainage from Vicee, was constructed on college property by a contractor. Discussion followed regarding the possibility of the college developing a parking lot out of a portion of the Vicee Canyon detention basin. In response to a question, Mr. Azad explained that the Timberline/Combs project will partially catch the drainage from Vicee Canyon. He advised that construction of the Timberline/Combs project may encounter resistance from the property owners. The Vicee Canyon retention basin has a potential for failure as it will most likely fill up with sediment. Approximately \$1 million was spent on the Vicee Canyon project; however, flows from Timberline/Combs Canyon and Nye Canyon could undo the Vicee Canyon project in a matter of a few hours.

Mr. Azad explained that the purpose for meeting with the contractor and the design engineer was to determine the erosion control method used and the reason for the subsequent problems. He acknowledged that the Vicee Canyon project was built per plan; however, there is some question as to whether or not the seed application was done correctly. Mr. Azad indicated that he is concerned with getting cooperation from WNCC, the homeowners, etc. In response to a question, he advised that the embankment wasn't designed for the type of flow it receives. Vice Chairperson Anderson pointed out that there hasn't been much run off this year and commented that Mr. Azad's gabions had worked well.

Mr. Azad explained the reason for Vice Chairperson Anderson's presentation was as information for the Committee members when the time comes to prioritize projects. Discussion ensued regarding the source of the water flows causing the erosion, and Mr. Azad diagramed the locations of the rock rip rap and the flow of water causing erosion. He acknowledged that 99% of the water will be intercepted in the Timberline/Combs Canyon project. Chairperson Aldean suggested that the college needs to be brought in as a partner to develop a joint plan. Mr. Azad pointed out that the larger problem is the lack of master planning. A proposal is due to be released on June 30, 2000 for the first portion of the master plan. A consultant will be hired in the middle part of June to start July 1, 2000. In response to a question, Mr. Azad acknowledged that the homes on the east side of Murphy Drive are in the line of flow.

Discussion took place regarding the design and cost of the Vicee Canyon project, and Mr. Azad advised that the facility will not work in any event greater than a 25-year flood. He acknowledged that it is not an ultimate design. In response to a question, Mr. Azad advised that NDOT will not be contributing funding to the Vicee Canyon project. However, improvements to Vicee Canyon will be a high priority once a storm water utility is in place. He advised that the City is working with WNCC on a number of issues, including the subject problem, and that the City is requesting an easement in order to build an adequate facility.

Member Plume inquired as to the source of the drainage depicted in the photographs, and Mr. Azad explained that the flow contained in the rock rip rap channel is 100% from Vicee Canyon. The Timberline/Combs project will reduce flows down Murphy Drive and the V&T grade. Chairperson Aldean described the ultimate "fix" for Murphy Drive, including complete reconstruction of Murphy Drive,

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adequate capacity in the detention facility, and an adequate outflow structure. He estimated the cost of such a project to be \$10,000,000, and discussed potential liabilities attributable to the City if the project is not done correctly. Discussion regarding the history of flows from Vicee Canyon followed, and Chairperson Aldean diagramed flows from Timberline and Vicee Canyon to Murphy Drive. He discussed the debris study done by the U.S. Geological Survey, and previous solutions to the residential drainage problems. In response to a question, Chairperson Aldean explained what would happen to the subject area during a 100-year flood and the facilities needed to alleviate the problem. Discussion followed regarding the possibility of routing water through Winnie Lane.

F-2. DISCUSSION AND ACTION REGARDING SELECTION OF MEMBER(S) TO ATTEND OPEN SPACE ADVISORY COMMITTEE MEETING ON MAY 15, 2000 AT 6:00 P.M. TO REVIEW JOINT STORM DRAINAGE AND OPEN SPACE OPPORTUNITIES AND MATTERS OF INTEREST (1-1209) - Mr. Azad explained the function of the Committee in working with the Open Space Advisory Committee, and the reason for scheduling the joint meeting. He advised he would be making a 15-20 minute presentation at the May 15th meeting, and requested that the Committee members plan to attend. Chairperson Aldean and Members Perry and Plume volunteered to attend.

At the request of Member Oakwood, Mr. Azad explained the University Heights homeowners' opposition to the proposed sediment basin. Discussion followed with regard to the same. Mr. Azad explained that the Timberline/Combs project will capture the Nye Canyon flows which will capture the Timberline flows which will capture the Combs Canyon flows and route them to Silver Oak Golf Course. The City will be reconstructing a portion of the Silver Oak Golf Course in the winter of 2000 to include two huge detention basins. The driving range and fairway 18 will be depressed in order to hold the flows from all three canyons. A brief discussion regarding the construction on College Parkway followed.

G. INTERNAL COMMUNICATIONS AND ADMINISTRATIVE MATTERS (1-1495) - Member Oakwood displayed newspaper clippings regarding a May 24th meeting sponsored by Carson City Project Impact with regard to the 1997 flood. Mr. Azad provided background information on funding offered by FEMA to emergency-proof the City. He advised that he would be making a presentation at the meeting regarding storm drainage, and that the Fire Chief would be making a presentation regarding other emergencies. He explained that the City will use the funding to augment monies for master plan development and implementation of the storm water utility. In response to a question, Mr. Azad advised that the estimated fee for the master plan is less than \$150,000. City staff wishes to add funding to produce a live model of the flow through the City so that builders and developers can see the source and direction of flows and their effect on development.

G-1. FUTURE AGENDA ITEMS (1-1582) - Mr. Azad recommended canceling the June meeting and the Committee concurred. He will introduce consultants at the July meeting.

H. ADJOURNMENT (1-1625) - Member Perry moved to adjourn the meeting at 7:00 p.m. Member Oakwood seconded the motion. Motion carried 7-0.

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The Minutes of the May 8, 2000 meeting of the Carson City Storm Drainage Advisory Committee are so approved this _____ day of July, 2000.

JAY ALDEAN, Chairperson