

SOUTHERN SANDOVAL COUNTY ARROYO FLOOD CONTROL AUTHORITY
(SSCAFCA)

MINUTES OF OCTOBER 6, 1998
SPECIAL BOARD OF DIRECTORS MEETING

I. CALL TO ORDER.

The special meeting of the SSCAFCA Board of Directors was called to order by Dub Yarbrough, Chairman, at 1:02 p.m.

Directors in attendance were John Chaney, James Dorn, Bill Joiner, Guy McDowell and Dub Yarbrough. Staff members present were David Stoliker, Executive Director, and Pam McGrath, Administrative Secretary. Bernard Metzgar, SSCAFCA's attorney, and members of the public were also present.

APPROVAL OF AGENDA.

A motion was made by Bill Joiner to approve the Agenda as presented. It was seconded by James Dorn and passed unanimously.

II. URBAN POND #4 SAFETY ANALYSIS DRAFT REPORT - REVIEW.

Mr. Yarbrough introduced Clint Dodge of Leedshill-Herkenhoff. Mr. Dodge had been asked to look at the Urban Pond watershed and prepare a drainage safety analysis on Urban Pond #4. Mr. Dodge is present today to present the report in light of discussing the report the worst case scenario, which is the maximum probable flood. The plan is that Urban Pond #1 will remain and Ponds #2 and #3 will eventually be removed. Pond #4 would be enlarged and would be designed to hold storm water for the 100 year event which would entail roughly four days of storage (i.e., 96 hours). There appears to be improvements to the embankment which will be required to control seepage. The existing pipeline may have to have concrete seepage collars placed on them. The pond should be designed to contain a 100 year event and could be deepened. The pond currently does not provide probable maximum precipitation protection. There is also no downstream defined channel. There is an increase from four feet per second to about six feet per second in the velocity of water flow if the dam is breached. Both of those flows will cause major erosion. There will be a lot of erosion on Alamos Road, but some of that flow will go south of Alamos Road.

Mr. Dodge also looked at how to handle the flow coming out of the pond. There is an existing house right below the dam, along with two lots to the north of Alamos Road on which houses could be

constructed. On Tree Farm Pond, there are some downstream channels to force the water into the roadway and away from the houses. Leedshill-Herkenhoff looked at duplicating that with Pond #4 and decided that that may be possible. Discussion followed on whether to purchase the two lots on the north or to try to design the spillway outlet to stay within the 30 foot easement that is currently available.

Mr. Metzgar stated that it has been the policy of the SSCAFCA Board to design for the 100 year storm. In Mr. Metzgar's opinion, SSCAFCA would not be liable if a bigger event were to occur.

Mr. Dodge stated that the report recommends that SSCAFCA contain the 100 year event for fully developed conditions upstream. The report further recommends that redundant spillway capacity be provided. The face of the facility and the principal spillway should be upgraded in accordance with the geotech recommendations.

Mr. Stoliker stated that he would like to see the top of the berm armor-plated to allow the probable maximum flood to pass over the dam without breaching the facility. In the 100 year event there is essentially no downstream risk as long as the facility is constructed properly. If there is a 100 year event and the facility does not have an emergency spillway, it would breach the dam because of the erosive behavior of the soils. Mr. Dodge recommended that the minimum spillway should be able to convey the 100 year flow.

Mr. Yarbrough stated that SSCAFCA should protect to the 100 year flow on the pond itself. He further recommended that SSCAFCA should also protect to the 100 year flow with a spillway directed toward the road. If Mr. Dodge can design a facility that would protect up to and include the 100 year flow without buying the extra property, then it should be done.

Mr. Dodge stated that to get the State Engineer to sign off on the design, a Board approved plan needs to be presented to the State Engineer with a statement that the risk is acceptable to the Board, along with the engineering analysis and with the backup data attached. The State Engineer will then review what is submitted and inform the Board if it is acceptable.

A motion was made by Bill Joiner that SSCAFCA design the Urban Pond #4 for the fully developed 100 year event and provide a stable emergency spillway for 100 year event with a hard cap to stay within the current 30 foot easement. It was seconded by James Dorn and carried unanimously.

Mike McGovern, from Cinfran Engineering, stated that Cinfran has already contracted to design the pond for the fully developed 100 year flow with Mr. Wilken and that Mr. Wilken is interested in cost sharing on the facilities coming from the Trinity Estates Subdivision.

A motion was then made by Bill Joiner to approve the Leedshill/Herkenhoff Task Order in an amount of \$102,664 including NMGRT for design and construction of the emergency spillway for Urban Pond #4. It was seconded by James Dorn and carried unanimously.

REQUEST FOR APPROVAL TO TRANSMIT PROPOSED LETTER ACCEPTING NORTHERN MEADOWS DMP AND LOS MONTOYAS MANAGEMENT PLAN WITH O & M RESPONSIBILITY.

Mr. Stoliker stated that he would like approval to send the Northern Meadows DMP and Los Montoyas Management Plan letter to Mr. Phillips. The easement ownership has not yet been worked out, but will be addressed at a later date. Mr. Chaney requested that Mr. Stoliker get an estimate of the costs for the O & M responsibility.

IV. TAPE PRESENTATIONS.
"THE HIDDEN DANGER, LOW WATER CROSSINGS"
"FLASH FLOOD EDUCATION 'THE AWESOME POWER'"
"CITY OF SCOTTSDALE DESERT GREENBELT PROJECTS"

Mr. Stoliker stated that the City of Rio Rancho provided the above tapes for SSCAFCA's review. The Board then viewed the tapes. Mr. Stoliker asked for approval to copy the tapes to start a video library. The Board agreed so long as it was permissible to copy them.

V. DISCUSSION OF SSCAFCA VISION.

Mr. Stoliker requested Board approval to incorporate the Rio Rancho Parks and Recreation master plan, which identifies all major arroyos to be used as open space or for recreation use, into SSCAFCA's master planning. The presentation has been made by Ms. Ellsworth at a previous meeting but no direction was given. The Board directed Mr. Stoliker to incorporate the recreational aspects

of the plan into SSCAFCA's planning process and to work with the City of Rio Rancho on the multi use potential of the major arroyos. Mr. Stoliker stated that there is a meeting set up with the Rio Rancho Parks and Recreation Department on Thursday to discuss this matter and he will report to the Board after the meeting.

VI. SANDOVAL COUNTY GIS UPDATE.

Mr. Stoliker stated that he is still pursuing this matter. It will be another couple of months before he can bring any more information back to the Board. No action was taken.

VII. SPANISH TRAILS CONCEPTUAL PLAN APPROVAL.

Mr. Stoliker introduced Ron Bohannon, with Tierra West, LLC. They are working on Unit 16 (Spanish Trails). Tierra West has 90 days to develop a conceptual plan, prepare costs estimates and market analysis which justify taking over development of the property. They have come up with a conceptual plan and are going in front of the Planning and Zoning Commission of Rio Rancho next Tuesday and the City Council the following night. If the plan is approved then they would go into condemnation procedures immediately. Part of the plan is drainage related. There are two major branches of Black's Arroyo, and another minor branch, that go through Unit 16. Tierra West is planning on putting a golf course in and around both major branches of the major flows, which would create more open space. They would do grading around the arroyo while putting in the golf course. The middle branch goes through a proposed village center and up into an employment center and they plan on taking that underground. They will also look at sediment control and putting lakes in the golf course.

Mr. Bohannon stated that Tierra West will come back before the Board as they get more details on how they will treat the arroyos and how to work together to control everything. They are looking at granting drainage easements through the area and working out an MOU between all parties. Tierra West would like SSCAFCA to control and maintain the drainage area after everything is finished.

He stated that Tierra West plans to get through the City Council by October 14, 1998; have the bonds done and be back before the Board within three to four months with some hard design guidelines. They plan on Phase I starting within six to seven months. Tierra West

is looking for conceptual approval from SSCAFCA today. As Tierra West installs the channel in the middle, they would put in some sedimentation basins in so they could control the runoff both from the site during development and for the long term.

A motion was made by Bill Joiner to approve the conceptual plan as presented. It was seconded by James Dorn and carried unanimously.

VIII. OTHER BUSINESS.

None.

IX. DIRECTOR'S COMMENTS.

None.

X. PUBLIC FORUM.

None.

XI. CLOSED SESSION.

A motion was made by James Dorn to go into a closed session for purposes of discussion of pending lawsuits in Dams 1 & 4 Outfall Project. It was seconded by John Chaney. Roll call vote: John Chaney, yes; James Dorn, yes; Bill Joiner, yes; Guy McDowell, yes; Dub Yarbrough, yes. Motion passed 5 to 0.

The Board went into closed session at 2:25 p.m.

RESUMPTION OF OPEN MEETING.

The Board reconvened in open session at 3:58 p.m.

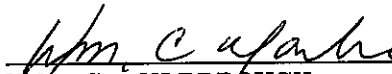
A motion by Bill Joiner to approve the settlement on the pending lawsuit of SSCAFCA vs. Stribling, case SD 95-240CV for \$28,000 for easements was seconded by James Dorn and passed unanimously.

SPECIAL BOARD OF DIRECTORS MEETING OCTOBER 6, 1998


A motion by Bill Joiner approving the purchase of Lot 116 or file a lawsuit if needed was seconded by James Dorn and passed unanimously.

XII. ADJOURNMENT.

A motion was made by Bill Joiner and seconded by James Dorn to adjourn the meeting. It was carried unanimously. Meeting adjourned at 3:59 p.m.



WM. C. YARBROUGH
Chairman



BILL R. JOINER
Secretary

DATE APPROVED: Jan 19, 1999