

City of Albuquerque Balloon Fiesta Park



***Master Development Plan
Draft Document
December, 1998***

tures separating playing fields, this Drainage Management Plan proposes conveying the 100 year storm in this area underground with a storm drain pipe. The ball fields east of the Vista Sandia Diversion and off-site flow from Richfield Park will drain to this storm drain. The storm drain, referred to as the Vista Sandia Storm Drain, will range in size from 48 inch and 54 inch laterals coming from Richfield Park to a 78 inch trunk line receiving flow from these laterals. The 100-year offsite flows from Richfield Park are 107 cfs and 132 cfs for the north and south locations, respectively. This storm drain will allow the Vista Sandia Diversion ditch to be removed. Surface grading in the area will also discharge to the North La Cueva and have sufficient capacity to convey the difference between the existing ditch bank full capacity and the proposed storm drain capacity.

Nine of the ball fields are located west of the Vista Sandia Diversion. Approximately 10 acres next to Alameda Boulevard will drain to Horizon Boulevard in accordance with the approved 'Drainage Report for Eastdale Little League' (Tierra West Development Management Services, December 1995). The remaining area west of the existing Vista Sandia Diversion will drain to a swale located along the western property boundary. This swale discharges 33 cfs to the third existing inlet on the North La Cueva (La Cueva Inlet #3).

Natural Wildlife Area

The roughly 13 acre triangular shaped area located between the Balloon Museum Drive and Jefferson Street is to remain natural. Four culverts under Balloon Museum Drive will be required to drain this area. The culverts can also serve as wildlife road crossings.

Museum Area

The Museum Area is comprised of approximately 28 acres. Runoff from the Natural Wildlife Area will be collected at a pond southeast of the parking lot east

of the Future Museum. The pond as well as the parking lot will drain to a 36 inch storm drain which will discharge to the North La Cueva Channel. A new pipe penetration into the North La Cueva Channel will be required.

Runoff from the Future Museum will flow to the North La Cueva Channel (North La Cueva Inlet #1). The total runoff from this site is approximately 12 cfs which is less than the existing flow to the inlet.

Roof runoff from the Balloon Museum will drain to a low point near the North La Cueva Channel. A 24 inch culvert will then convey this flow to the new Vista Sandia Storm Drain. Runoff from the parking area west of the Balloon Museum will sheet flow to North La Cueva Inlet #2. Runoff from the area south of the Balloon Museum will discharge to the proposed Vista Sandia Storm Drain.

Transition Area

The Transition Area contains just over four acres. This area will drain to the North La Cueva Channel via a new 24 inch diameter pipe penetration. The peak 100-year flow from this site is estimated at 17 cfs. Runoff will be collected in a low area adjacent to the channel and then discharged directly into the North La Cueva Channel.

Old Balloon Fiesta Field

The Old Balloon Fiesta Field consists of approximately 77 acres and is situated on top of the old Los Angeles Landfill. It is bounded on the south by the Domingo Baca Inlet and on the west by the North Diversion Channel. Parking is the only approved land use for this area and any future uses would be per approval by the City.

The site was originally graded so that all runoff, with the exception of approximately five acres in the northeast corner, would enter the North Diversion Channel via one of three existing inlets referred to as North



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I. PURPOSE

The "Albuquerque International Balloon Fiesta Park Master Drainage Plan, February 1998" (BFP DMP) was submitted and approved by the City of Albuquerque and AMAFCA in February 1998 and approved in March 1998. Since that time, the conceptual grading plan has been revised to balance site earthwork and for the development of a portion of the Launch Field Area north of the North La Cueva Channel. The purpose of this amendment, Amendment # 1, is to detail the changes made to the grading plan.

II. BACKGROUND

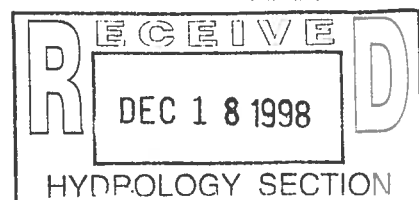
The original grading plan, as included in the BFP Masterplan, established conceptual grades and drainage patterns for the entire BFP site north of Alameda Boulevard. It was based on January 1996 mapping with one foot contours (0.5 foot accuracy) for all areas but the Launch Field Area. The Launch Field Area contours were taken from 1997 mapping provided by Albuquerque International Balloon Fiesta (AIBF). This mapping was used because it reflected the recent construction for the 1996 Balloon Fiesta, which included earthwork for field stabilization and construction of the interim access ramps at Jefferson Street and Balloon Fiesta Parkway (formerly Balboa Street). The 1997 mapping, however, was only accurate to the nearest foot (two foot contour mapping).

In the fall of 1998, conceptual design for the Golf Center Request for Proposals (RFP) began. The Golf Center will be located in the southern end of the Launch Field Area. New mapping with one foot contours (0.5 foot accuracy) was obtained for the BFP north of Alameda Boulevard. The earthwork volumes for the conceptual grading plan for the entire BFP site were checked with the new mapping and a shortage of approximately 200,000 cubic yards was discovered. This difference was attributed to the less accurate nature of the 1997 mapping compared to the 1998 mapping. As a result, it was determined that the grading would have to be revised to eliminate the requirement for such a large amount of imported fill material.

Another factor affecting the BFP DMP conceptual grading plan was the appeal of the Masterplan in July 1998 by the property owner immediately north of the park. The appeal pertained primarily to access to the property, but as a result of discussions with the property owner's representative, it was agreed to shift the proposed North El Camino Arroyo alignment 50 feet to the south. The 100 foot arroyo easement is now entirely within the City's property as shown on the revised Plate 4 being issued with this amendment. This realignment required modifications to the grading at the north end of the BFP. Currently, the BFP DMP shows the arroyo easement centered on the BFP north property line.

III. CHANGES WITH AMENDMENT # 1

Launch Field Area Grading - The Launch Field Area, most significantly at the southern end, was lowered with the development of the Golf Center to balance the overall site earthwork. Plates 4 and 5 in the BFP DMP are being reissued with this amendment to show the changes.



North El Camino Arroyo – Grading was revised in the northern area of the park to reflect the realignment of the arroyo to the south.

North Diversion Channel (NDC) Inlet # 2 – Inlet #2 to the NDC is located 1400 feet north of the North La Cueva Channel confluence (see Plate 5). To allow lowering the Launch Field Area, NDC Inlet #2 must be lowered. This amendment proposes lowering the invert of Inlet #2 from 5041 to 5039.75 to allow runoff from the South Launch Field Area and Golf Center to enter the NDC by surface drainage. This elevation is still above the 100-year hydraulic grade line based on information obtained from AMAFCA. See Appendix A.

IV. CONCLUSION

Amendment #1 revises the BFP DMP to revise the conceptual grading plan and lower NDC Inlet #1 by 1.25'. The changes to the grading plan are necessary to balance the site earthwork based on the latest and most accurate existing conditions mapping available. While the grades for much of the Launch Field Area are being lowered, it is important to note that the overall drainage concept and drainage basins presented in the BFP DMP are not being revised by this amendment. The basin divides and flow rates will remain the same.