

BALLOON FIESTA PARK - SID CUTTER PILOT'S BUILDING Hvdrologic Conditions Basin Data Table

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				This table i	s based on t	he DPM Sec	tion 22.2, Zone:	2	Market Control of the		APP (CA) A				4.00	
Basin	Area	Area	Land	d Treatme	nt Percent	ages	Q(100yr)	Q(100yr)	V(100yr)	V _(100yr-6hr)	V _(100yr-24hr)	Q(2yr)	Q(2yr)	WTE	V _(2yr-6hr)	V _(2yr-24hr)
ID	(SQ. FT)	(AC.)	Α	В	С	D	(cfs/ac.)	(CFS)	(inches)	(CF)	(CF)	(cfs/ac.)	(CFS)	(inches)	(CF)	(CF)
PROPOS	ED BASIN	S												Territoria de la composición del composición de la composición del composición de la composición de la composición del composición de la composición del composición del composición del composición del composición del composición del composición d		
B1	61614	1.41	0.0%	0.0%	27.0%	73.0%	4.28	6.05	1.85	9513	11012	1.52	2.15	0.62	3169	3820
B2	30618	0.70	0.0%	0.0%	39.0%	61.0%	4.09	2.88	1.73	4424	5047	1.37	0.96	0.54	1379	1649
В3	22838	0.52	0.0%	0.0%	14.0%	86.0%	4.48	2.35	1.98	3771	4426	1.68	0.88	0.70	1333	1617
B4	41941	0.96	0.0%	0.0%	0.0%	100.0%	4.70	4.53	2.12	7410	8808	1.86	1.79	0.79	2761	3368
B5	6399	0.15	0.0%	0.0%	0.0%	100.0%	4.70	0.69	2.12	1131	1344	1.86	0.27	0.79	421	514
B6	17332	0.40	0.0%	0.0%	0.0%	100.0%	4.70	1.87	2.12	3062	3640	1.86	0.74	0.79	1141	1392
TOTAL	180741	4.15		er ganderstadt 1500-er ganterskadt fråd er fran Fried California anskaller	en a mariant de tourregarigades pagement dutter en en en dice	C N. J. (A. V. M. O. A. A.) project growth A rich pathology and C (C O.) project (C O.).		18.36	er garnak erden egen ett ett ekonopelistengar ekonoperational ett egenatur blitte erden erden erd	29310	34275	c da kalijik ni an kwesiwe ji wekajaliji ji sejem Galikinin ninikuni ka ke qiraj jereti ji jonga 	6.80	n i i umpunoggotor de verificial (1955 et la ra un electrodes de encluye de enclos de	10204	12359
EXISTIN	G BASIN															
XB1	180741	4.15	0.0%	0.0%	18.0%	82.0%	4.42	18.34	1.94	29247	34187	1.63	6.78	0.67	10164	12308
TOTAL	180741	4.15	and a second	ing - Salain sanat maang suma jalaan maanning too na in salain maaning salain salain maa jalain a	en en els in enver filosofice d'integralisation d'inministration de l'enver	and the class that they the control to control of the class of the cla	nellandria penulla lancia neco e e ile Socializza il Silvati Peneranenenene d	18.34	State (2000) - 1890 - 1890 - 1890 - 1890 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880	29247	34187	, est e e e eque a establishest, considerable del melalegazion qui de artematica provides establis de activa e Establishest	6.78	esta e fortigenamento non matrimo na introduciona perimet. Atalonestre 1446 tras tras tras estadorestra estadorestra en enconacionario en estadorestra en entra en estadorestra en entra en estadorestra en entra entra en entra entra en entra en entra entra en entra entra en entra en entra	10164	12308

Inlet	Inlet	Basin	Actual	Avail	Capacit
#	Туре		Flow (cfs)	Head (ft)	(cfs)
IN1	1-30" ADS BASIN (PED GRT)*	B3	2.35	0.40	5.90
IN2	1-30" ADS BASIN (PED GRT)*	B2	2.88	0.30	3.80
IN3	1-30" ADS BASIN (PED GRT)*	B4	4.53	0.60	7.95
IN4	2-30" ADS BASIN (PED GRT)*	B5	0.69	0.15	2.80
IN5	1-30" ADS BASIN (PED GRT)*	B6	1.87	0.30	3.80
IN6	1-30" ADS BASIN (PED GRT)*	B1	6.05	0.80	9.20

	STORM	I DRAIN PIF	E TABLE		
PIPE#	INLET/SD/BASIN	Size	Slope	Capacity*	ACTUAL FLOW
The second section of the second section of the second section section section sections are second sections as	anner (i ner men et de gen teller von de server et et 1994). Social 2005 Adriage de Landersagle de lander de de general de de server et en de general de de server et de general de server et de server	in.	on class comment necessary and competition of the contraction	cfs	cfs
SD1	102 N2	12	0.80%	4.14	2.88
SD2	IN1, SD1	15	0.50%	5.94	5.23
SD3	IN3	2 - 12	0.50%	6.55	4.53
SD4	IN4, SD3	15	0.50%	5.94	5.22
SD5	IN5, SD4	18	0.50%	9.66	7.09
SD6	SD5	18	0.50%	9.66	7.09
SD7	EXISTING SD LINE	30	0.32%	30.16	25.90
	merch was	Cap	acity Based	on Manning's E	q w/ N=0.01

DRAINAGE MANAGEMENT PLAN

SITE LOCATION AND BACKGROUND

THE PROPOSED PROJECT IS THE NEXT PHASE OF THE BALLOON FIESTA PARK. THE PARK IS LOCATED NORTH OF ALAMEDA BLVD AT ALAMEDA PATH. THIS PHASE (SOUTHEAST CORNER OF THE EXISTING PARK) WILL INCLUDE THE PILOTS BUILDING. DRAINAGE ANALYSIS WAS PERFORMED AND CONFORMS TO THE APPROVED DRAINAGE PLAN, HYDRO FILE B17/D1. THE EXISTING AREA OF THE SITE THAT IS BEING REDEVELOPED IS AN ASPHALT PARKING LOT. THE SITE SLOPES TOWARDS THE NORTH AT AN AVERAGE SLOPE OF APPROXIMATELY 1.5%. LOCALIZED STORM DRAIN INLETS IN DEPRESSED AREAS ARE INSTALLED THROUGHOUT THE SITE THAT COLLECT WATER AND CONVEY IT NORTH TO THE OUTFALL TO THE NORTHERN DIVERSION AMAFCA CHANNEL.

EXISTING CONDITIONS

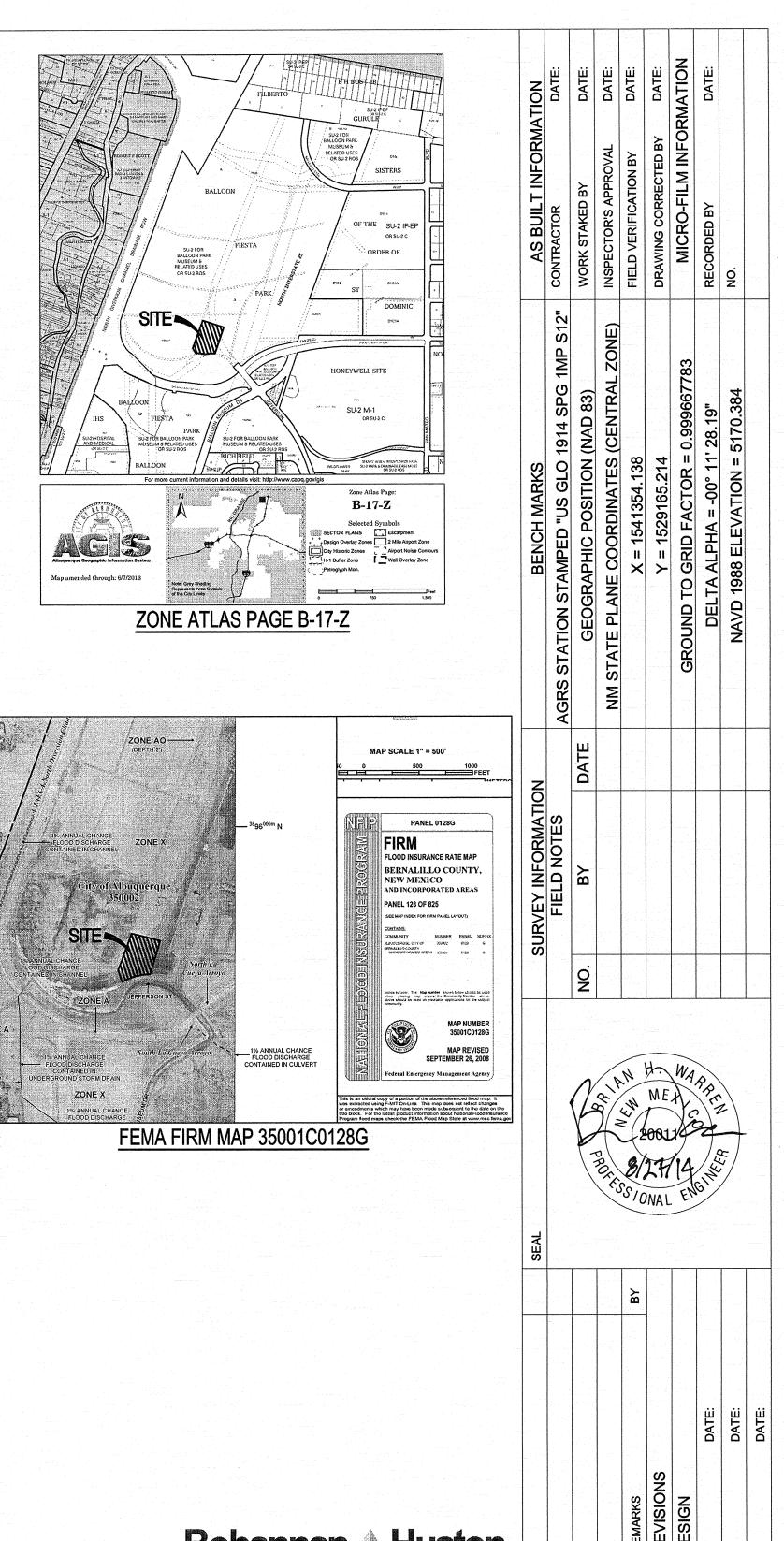
THE DISCHARGE FROM THE EXISTING BASIN FLOWS SOUTH TO NORTH TOWARD AND EXISTING 30" BASIN INLET. THE INLET IS IN A SUMP CONDITION WITH 0.4' AVAILABLE HEAD. THE CAPACITY OF THIS INLET BASED THIS CRITERIA IS APPROXIMATELY 6.0CFS. THE EXISTING BASIN IS 82% PERCENT IMPERVIOUS AREA GENERATING 18.4CFS. ABOUT 12CFS WILL OVERFLOW AND BYPASS THIS INLET AND CONTINUE NORTH ACROSS THE GRASS LANDING FIELDS AND OUTFALL TO THE NORTHERN DIVERSION AMAFCA CHANNEL.

PROPOSED CONDITIONS

THE DRAINAGE FROM THE PROPOSED BUILDING WILL MATCH THE EXISTING DRAINAGE PATTERNS THAT ARE CURRENTLY ESTABLISHED ON SITE. THE PROPOSED BUILDING & PAVING WILL MAINTAIN THE IMPERVIOUS AREA. THE PROPOSED SITE IS GRADED TO ALLOW FLOW AROUND THE BUILDING AND CONTINUE ALONG THE HISTORIC PATH. ADDITIONAL INLETS AROUND THE PILOT'S BUILDING HAVE CAPACITY FOR THE 100YR STORM EVENT AND WILL DRAIN TO THE EXISTING UNDERGROUND STORM DRAIN SYSTEM INSTALLED WITH COA PROJECT NUMBER 7997.92. THE PROPOSED STORM DRAIN SYSTEM IS A DIFFERENT CONFIGURATION OF THE EXISTING STORM DRAIN CURRENTLY ON SITE. THE PROPOSED SYSTEM WILL FLOW UNDER PRESSURE AND ANY DISCHARGE NOT ACCEPTED INTO THE SYSTEM WILL CONTINUE NORTH ALONG THE ESTABLISHED PATTERN AND OUTFALL TO THE NORTHERN DIVERSION AMAFCA CHANNEL. THE FINISHED FLOOR OF THE PROPOSED BUILDING IS 5051.00 AND THE INVERT AT THE OVERFLOW LOCATION AT THE NORTH END OF THE SITE IS SET AT 5049.95 YIELDING 1.05' OF FREEBOARD.

CONCLUSION

THE PROPOSED CONDITIONS PEAK DISCHARGE FROM THE SITE IS EQUIVALENT TO THAT OF THE EXISTING CONDITION. THE DRAINAGE PATTERNS FROM THE PROPOSED CHANGES IS SIMILAR TO THE EXISTING DRAINAGE PATTERNS. THE IMPLEMENTATION OF THESE GRADING CONCEPTS WOULD RESULT IN THE SAFE PASSAGE OF THE 100 YEAR STORM EVENT AS WITH THE EXISTING CONDITIONS. WITH THIS PLAN WE REQUEST APPROVAL FOR BUILDING PERMIT.





CITY OF ALBUQUERQUE

SID CUTTER PILOTS' PAVILION

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DRAINAGE MANAGEMENT PLAN

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DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

BOTH STATE OF CITY PROJECT NO. 799795

ZONE MAP NO. B-17-Z

DWG. DMP-01

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