



ENGINEER

M. S. Shoyt

MICHAEL S. SHOYT
NEW MEX. CO.
18187
LICENSED PROFESSIONAL ENGINEER

6-18-08

PROJECT

This drainage submittal has been prepared in accordance with City of Albuquerque requirements. This plan demonstrates the proposed grading and drainage concepts. The implementation of these concepts would result in the safe retention of the 100 yr, 10 day storm event. Individual sites will be subject to separate hydrology approval in conjunction with the guidelines set forth in this drainage management plan. This drainage management plan is submitted in support of future development within the block, including building sites and roads.

This table is based on the DPM Section 22.2, Zone: 2											
BASIN	Area	Area	Land Treatment Percentages				Q(100)	Q(100)	WT E	V(100) ₃₆₀	V(100) _{today}
ID	(SQ. FT)	(AC.)	A	B	C	D	(cfs/ac.)	(cfs)	(inches)	(CF)	(CF)
DRAINAGE AREA 4											
Pond 4B1 Sizing											
Basin 4A1 (Hawking)	207720	4.77	0.0%	0.0%	0.0%	100.0%	4.70	22.41	2.12	36697	64393
Basin 4A2 (Watson)	150685	3.46	0.0%	0.0%	0.0%	100.0%	4.70	16.26	2.12	26621	46712
Basin 4B1 (Open Space)	263751	6.05	0.0%	50.0%	50.0%	0.0%	2.71	16.41	0.96	20990	20990
Basin 4C (Access Road)	33330	0.77	0.0%	0.0%	0.0%	100.0%	4.70	3.60	2.12	5888	10332
Basin 4D	1018482	23.38	0.0%	10.0%	0.0%	90.0%	4.46	104.23	1.99	168559	290777
Total								162.91		268755	433205
Pond 4B2 Sizing											
Basin 4B2 (Open Space)	79547	1.83	0.0%	50.0%	50.0%	0.0%	2.71	4.95	0.96	6331	6331
Basin 4E	393299	9.03	0.0%	10.0%	0.0%	90.0%	4.46	40.25	1.99	65091	112287
Basin 4F (PNM Substation)	60069	1.38	0.0%	10.0%	0.0%	90.0%	4.46	6.15	1.99	9941	17150
Total								51.35		81363	135767
Total	2206883	50.66						214.26		340119	568972

SHEET NO. **0001**