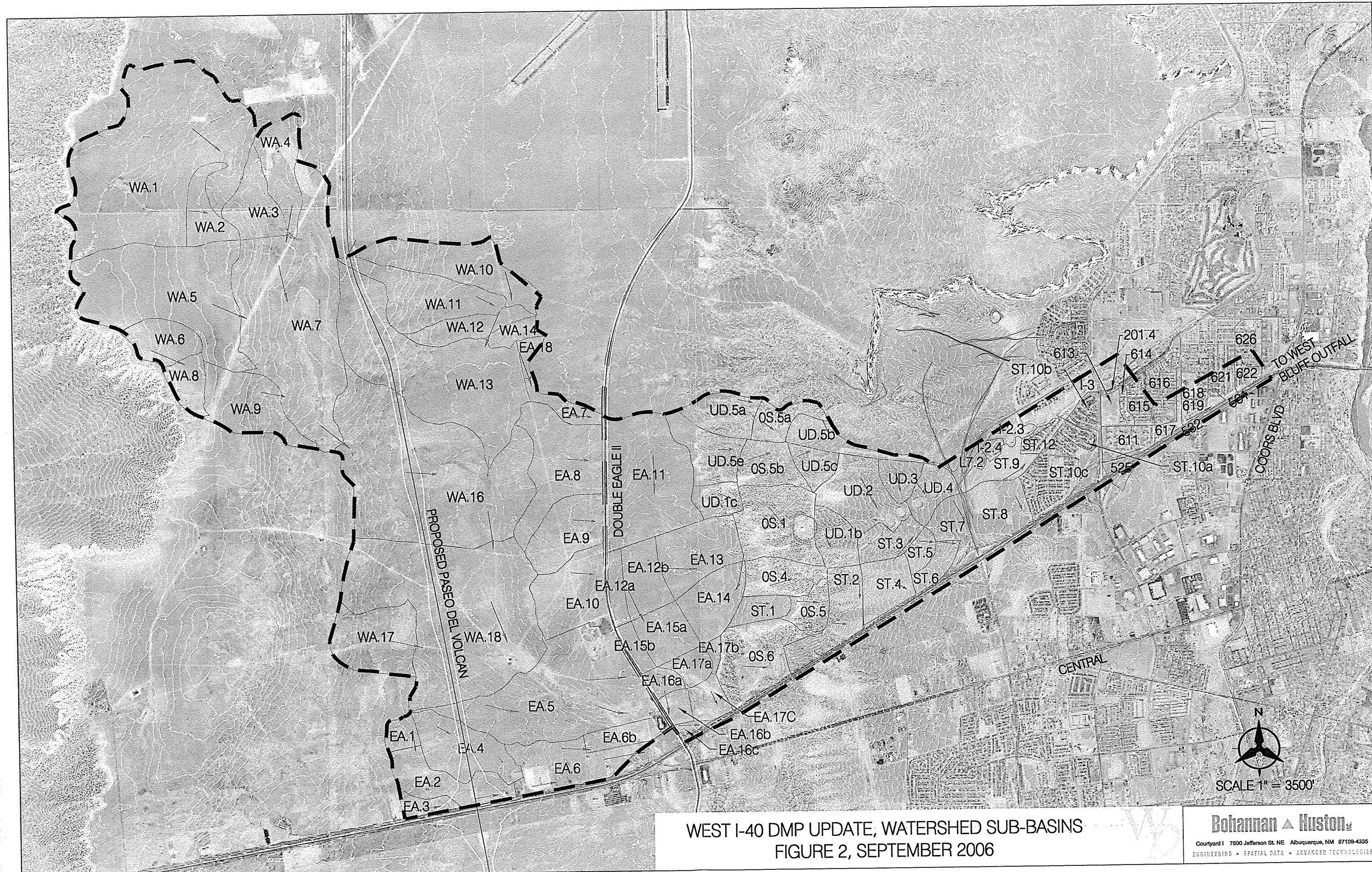
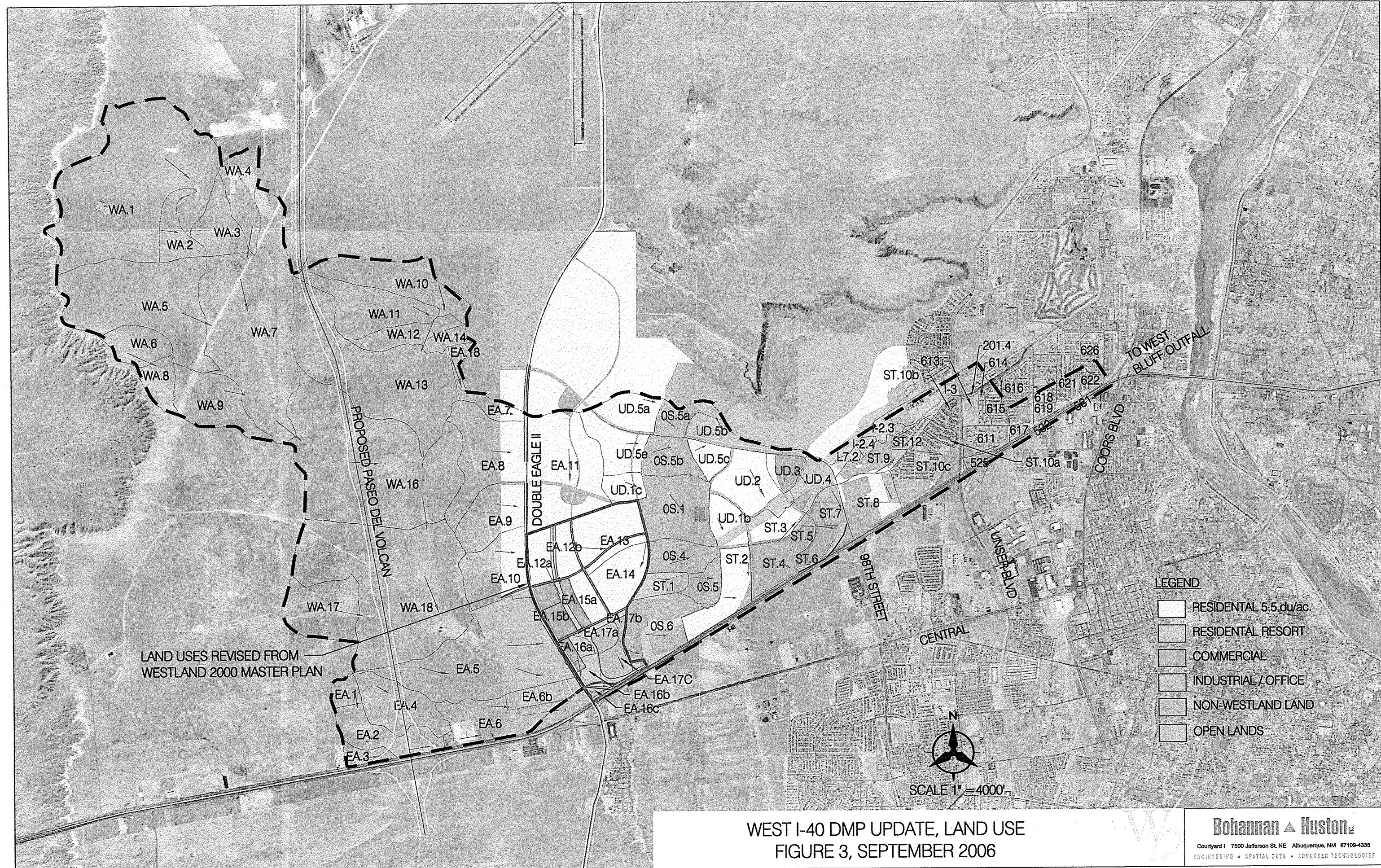
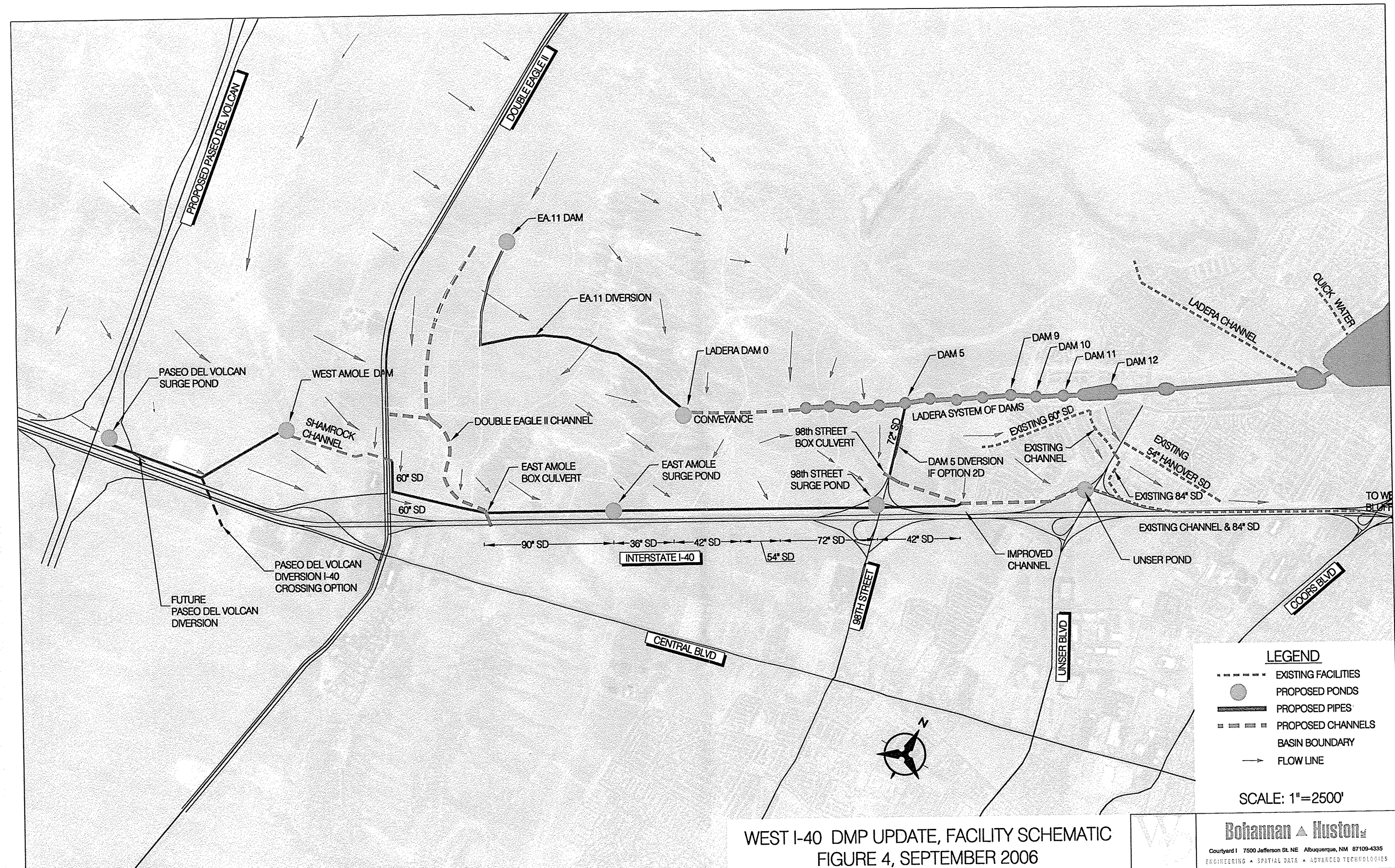




WEST I-40 DMP UPDATE, WATERSHED SUB-BASINS
 FIGURE 2, SEPTEMBER 2006





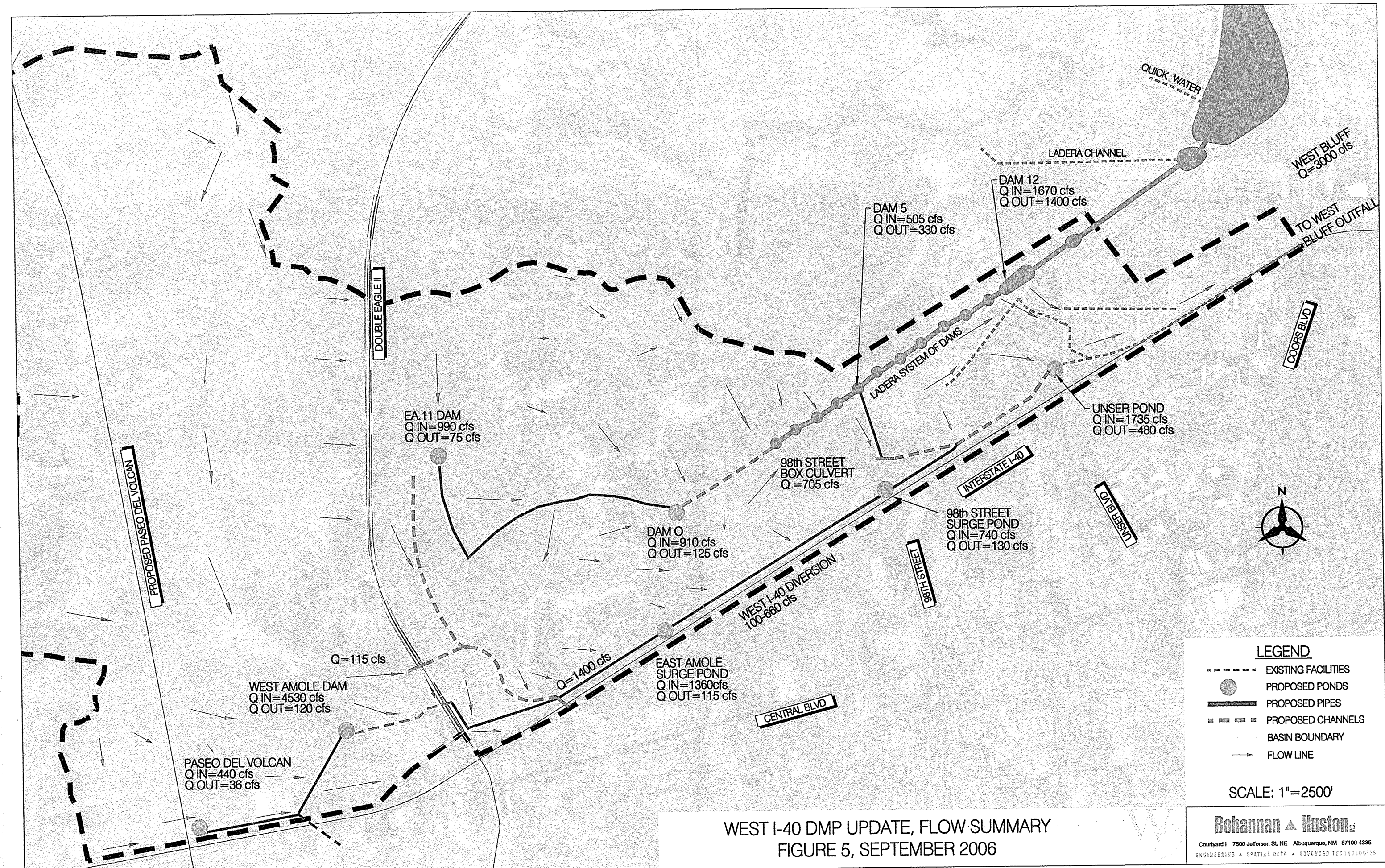


Table 4 Facility and Flow Comparison Between Model Iterations

West Amole Dam	All of West Amole Watershed	4,531	335	117	5	4,151	349.28	31	21	5,925	425.51	227	5	3670.44	599.2939	249.73	6
Southern Side of E.11	EA.7, EA.8, EA.9, EA.11	987	29	73	13	932	54.40	73	3	1,244	61.62	225	3	N/A	N/A	N/A	N/A
East Amole Dam	All of East Amole Watershed	1,301	154	116	25	2,073	133.81	129	4	2,280	262.52	225	20	2562.21	265.53	297.14	9
Pond #0	OS.1, UD.1a, UD.1b, OS.4	907	22	115	12	907	31.53	95	3	1,043	79.84	75	6	458.51	2.54	380.52	2
Dam 5 Arroyo Pond	OS.5ab, UD.5ae	613	91	282	13	613	91.08	282	13	773	91.83	283	13	338.20	84.67	268.19	13
Pond #5	dam 5 arroyo, pond #4 UD.4	503	34	329	16	503	33.60	332	15	550	33.66	333	15	1144.63	33.19	321.10	2
Pond #12	dam 5 arroyo, pond #4 UD.11	1,671	59	1397	2	1,657	58.73	1334	2	1,657	58.73	1334	2	1602.83	58.17	1162.08	2
98th Pond	all basins west of 98th	738	29	129	2	967	15.75	682	2	975	29.33	476	17	2047.13	43.24	774.01	2
Unser Pond	all basins west of Unser Blvd.	1,735	44	481	2	946	42.76	476	2	887	42.62	475	18	1440.28	41.31	1157.83	2

CHANNELS Location	Flow Source	Revised West I-40 DMP					Optimized West I-40 DMP					West I-40 DMP (BHI,2000)				
		Channel Discharge	Bottom Width	Channel Depth	Flow Depth	Channel Slope	Channel Discharge	Bottom Width	Channel Depth	Flow Depth	Channel Slope					
		(cfs)	(ft)	(ft)	(ft)	(ft/ft)	(cfs)	(ft)	(ft)	(ft)	(ft/ft)	Pipe previously proposed				
Double Eagle II interchange to EA Intake Structure	East Amole Watershed, OS.6	1404	10	8	5.9	0.005	2029.59	10	6	5	0.047					
I-40 from 98th to 90th	98th street dam	807	10	6	3.1	0.017	682.24	10	10	2.29	0.016					
I-40 from 90th to Unser	I40 and ST.8	1232	10	6	3.8	0.017	804.57	10	10	2.5	0.016					

* n= 0.022 used for all modeled channels

STORM DRAIN Location	Flow Source	Revised West I-40 Revision			Optimized West I-40 DMP		
		Influent Q	Slope	Max Flow (cfs)	Influent Q	Slope	Max Flow (cfs)
		(cfs)	(ft/ft)		(cfs)	(ft/ft)	
42" south to 72"	EA.11, EA.7, EA. 8, EA.9	-	-	-	73	0.005	76.53
72" east to escartment	EA.11, EA.13	308	0.007	376	308.45	0.0068	375.67
54" pipe from 72" to Dam 0	EA.11, EA.13	306	0.028	354	306.34	0.028	353.97
36" pipe from EASP to 42"	EASP	116	0.016	79	-	-	-
42" pipe downstream to 54" pipe	EASP, ST.2a	169	0.035	175	-	-	-
54" pipe downstream to 72" pipe	ST.2b	330	0.036	401	-	-	-
72" pipe 54" to 98th Surge Pond	ST.4a	570	0.023	691	-	-	-
72" pipe from ST.4b to 98th Street	ST.4b	703	0.018	611	-	-	-
72" SD south on 98th to CBCs	Dam 5 Div, St.3	266	0.005	322	269.38	0.005	322.14